

Microwave synthesis, characterization and in-vitro evaluation of nanostructured biphasic calcium phosphates	Rameshbabu, N.; Rao, K. Prasad	2009	Curr. Appl. Phys., 2009, 9, S29-S31
Facile synthesis of mesoporous titanium dioxide nanocomposites with controllable phase compositions by microwave-assisted esterification	Li, Yafeng; Li, Hongfang; Li, Taohai; Li, Guoliang; Cao, Rong	2009	Microporous Mesoporous Mater., 2009, 117, 444-449
Synthesis, Passivation, and Stabilization of Nanoparticles, Nanorods, and Nanowires by Microwave Irradiation	Abdelsayed, V.; Panda, A.B.; Glaspell, G.P.; El-Shall, M.S.	2008	ACS Symposium Series, 2008, 996, 225-247
Synergistic Effects of Microwave Doped Ag on the Phase Transformation and Photocatalytic Activity of Nano-Titania	Shen, X.-C.; Guo, W.-M.; Liang, H.; Zhang, L.-J.; Hu, R.-X.; Wang, Z.-Y.	2008	Acta Chim. Sinica, 2008, 66, 49-55
Functionalization of Multi-Walled Carbon Nanotubes Realized by Microwave-Driven Chemistry Inducing Dispersibility in Liquid Media	Tsukahara, Y.; Yamauchi, T.; Kawamoto, T.; Wada, Y.	2008	Bull. Chem. Soc. Jpn., 2008, 81, 387-392
The Role of Adsorption Species in the Formation of Ag Nanostructures by a Microwave-Polyol Route	Tsuji, M.; Matsumoto, K.; Jiang, P.; Matsuo, R.; Hikino, S.; Tang, X.-L.; Kamarudin, K.S.N.	2008	Bull. Chem. Soc. Jpn., 2008, 81, 393-400
Microwave-assisted catalytic oxidative dehydrogenation of ethylbenzene on iron oxide loaded carbon nanotubes	Nigrovski, B.; Zavyalova, U.; Scholz, P.; Pollok, K.; Müller, M.; Ondruschka, B.	2008	Carbon, 2008, 46, 1678-1686
Efficient microwave energy absorption by carbon nanotubes	Paton, Keith R.; Windle, Alan H.	2008	Carbon, 2008, 46, 1935-1941
Surfactant-controlled and microwave-assisted synthesis of highly active Ce _x Zr _{1-x} O ₂ nano-oxides for CO oxidation	Bharali, Pankaj; Park, Sang-Eon; Prasetyanto, Eko Adi; Reddy, Benjaram M.; Seo, Yeong-Hui	2008	Catal. Lett., 2008, 126, 125-133
Microwave-assisted rapid fabrication of Co ₃ O ₄ nanorods and application to the degradation of phenol	Lai, T. L.; Lai, Y. L.; Lee, C. C.; Shu, Y. Y.; Wang, C. B.	2008	Catal. Today, 2008, 131, 105-110
Rapid preparation of Bi ₂ WO ₆ photocatalyst with nanosheet morphology via microwave-assisted solvothermal synthesis	Wu, L.; Bi, J.; Li, Z.; Wang, X.; Fu, X.	2008	Catal. Today, 2008, 131, 15-20
The use of palladium nanoparticles supported with MCM-41 and basic (Al)MCM-41 mesoporous sieves in microwave-assisted Heck reaction	Demel, J.; Park, S. E.; Cejka, J.; Stepnicka, P.	2008	Catal. Today, 2008, 132, 63-67
Graphitic carbon nanostructures via a facile microwave-induced solid-state process	Chen, K.; Wang, C.; Ma, D.; Huang, W.; Bao, X.	2008	Chem. Commun., 2008, 2765-2767
SnO ₂ and ZnO Nanostructured Spheres Self-assembled by Nanocrystals: Microwave-assisted Preparation and Enhancement of Photocatalytic Activity	Zhang, L.; Zhu, Y.-J.; Cao, S.-W.	2008	Chem. Lett., 2008, 37, 1002-1003
Microwave Fabrication and Magnetic Property of Hierarchical Spherical α -Fe ₂ O ₃ Nanostructures	Xue, B.; Liu, R.; Xu, Z.-D.; Zheng, Y.-F.	2008	Chem. Lett., 2008, 37, 1058-1059
Nanostructured aluminium hydroxyfluorides derived from beta-AlF ₃	Dambournet, D.; Demourgues, A.; Martineau, C.; Pechev, S.; Lhoste, J.; Majimel, J.; Vimont, A.; Lavalley, J.-C.; Legein, C.; Buzare, J.-Y.; Fayon, F.; Tressaud, A.	2008	Chem. Mater., 2008, 20, 1459-69
Hydrothermal Microwave: A New Route to Obtain Photoluminescent Crystalline BaTiO ₃ Nanoparticles	Moreira, M. L.; Mambrini, G. P.; Volanti, D. P.; Leite, E. R.; Orlandi, M. O.; Pizani, P. S.; Mastelaro, V. R.; Paiva-Santos, C. O.; Longo, E.; Varela, J. A.	2008	Chem. Mater., 2008, 20, 5381-5387

High-Yield Synthesis of Nickel and Nickel Phosphide Nanowires via Microwave-Assisted Processes	Hu, Xianluo; Yu, Jimmy C.	2008	Chem. Mater., 2008, 20, 6743-6749
Rapid phase-controlled microwave synthesis of nanostructured hierarchical tetragonal and cubic β -In ₂ S ₃ dandelion flowers	Apte, S.K.; Jagadale, T.C.; Kale, B.B.; Kulkarni, M.V.; Naik, S.D.; Ogale, S.B.; Patil, S.I.; Sonawane, R.S.	2008	Chem. Phys. Lett., 2008, 452, 301-305
Preparation and Catalytic Activity of Carbon Nanotube-Supported Metalloporphyrin Electrocatalyst	Deng, Xuanying; Ma, Zifeng; Wang, Xin; Yuan, Xianxia; Zhang, Dongyun	2008	Chin. J. Catal., 2008, 29, 519-523
Barium Titanate Nanocrystals Prepared under Microwave Irradiation	Shi, X.-Y.; Wu, D.-H.; Hua, P.	2008	Chin. J. Inorg. Chem., 2008, 24, 1182-1185
Synthesis of Nanocrystalline Y ₂ O ₃ :Eu; 3+; Mg, Ti Long-lasting Phosphorescent Materials by Hydrothermal-Microwave Method	Li, W.-Y.; Liu, Y.-L.; Ai, P.-F.	2008	Chin. J. Inorg. Chem., 2008, 24, 772-776
Nanocrystalline BiVO ₄ : Preparation by Microwave Irradiation and Photocatalytic Properties	Liu, J.-B.; Zhang, H.-M.; Wang, H.; Zhang, W.-X.	2008	Chin. J. Inorg. Chem., 2008, 24, 777-780
Microwave-Assisted Shape-Controlled Bulk Synthesis of Ag and Fe Nanorods in Poly(ethylene glycol) Solutions	Nadagouda, M.N.; Varma, R.S.	2008	Cryst. Growth Des., 2008, 8, 291-295
Microwave-Assisted Shape-Controlled Bulk Synthesis of Noble Nanocrystals and Their Catalytic Properties	Nadagouda, M.N.; Varma, R.S.	2008	Cryst. Growth Des., 2008, 8, 686-690
Green approaches via nanocatalysis with nanoporous materials: Functionalization of mesoporous materials for single site catalysis	Park, Sang-Eon; Sujandi	2008	Curr. Appl. Phys., 2008, 8, 664-8
Microwave-irradiated synthesized platinum nanoparticles/carbon nanotubes for oxidative determination of trace arsenic(III)	Jin, Litong; Xian, Yuezhong; Xing, Sujie; Xu, He; Zeng, Liping	2008	Electrochem. Commun., 2008, 10, 551-554
Environmentally benign synthesis of nanosized aluminophosphate enhanced by microwave heating	Ng, E. P.; Delmotte, L.; Mintova, S.	2008	Green Chem., 2008, 10, 1043-1048
Microwave facile preparation of highly active and dispersed SBA-12 supported metal nanoparticles	Campelo, J.; Conesa, T.; Gracia, M.; Jurado, M.; Luque, R.; Marinas, J.; Romero, A.	2008	Green Chem., 2008, 10, 853-858
Investigation of Primary Crystallite Sizes in Nanocrystalline ZnS Powders: Comparison of Microwave Assisted with Conventional Synthesis Routes	Rath, Thomas; Kunert, Birgit; Resel, Roland; Fritz-Popovski, Gerhard; Saf, Robert; Trimmel, Gregor	2008	Inorg. Chem., Am. Chem. Soc., 2008, 47, 3014-3022
Microwave-Assisted Fluorous Synthesis of 2-Aryl-Substituted 4-Thiazolidinone and 4-Thiazinanone Libraries	Zhou, Hongyu; Liu, Aifeng; Li, Xiaofeng; Ma, Xifeng; Feng, Wei; Zhang, Wei; Yan, Bing	2008	J. Comb. Chem., 2008, 10, 303-312
Microwave-assisted synthesis and characterization of CuO nanocrystals	Xu, Xiaodong; Zhang, Meng; Zhang, Milin	2008	J. Dispersion Sci. Technol., 2008, 29, 508-513
One pot synthesis of hierarchical porous silica membrane material with dispersed Pt nanoparticles using a microwave-assisted sol-gel route	Yacou, C.; Fontaine, M. L.; Ayrat, A.; Lacroix-Desmazes, P.; Albouy, P. A.; Julbe, A.	2008	J. Mater. Chem., 2008, 18, 4274-4279
Synthesis of nanocrystalline yttria by microwave-assisted citrate-gel decomposition technique	Camurri, Carlos P.; Mangalaraja, R.V.; Ramam, K.V.S.; Ravi, J.	2008	J. Mater. Process. Technol., 2008, 197, 292-295
Microwave-assisted solvent free synthesis of hydroxy derivatives of 4-methyl coumarin using nano-crystalline sulfated-zirconia catalyst	Jasra, Raksh V.; Mishra, Manish K.; Tyagi, Beena	2008	J. Mol. Catal. A: Chem., 2008, 286, 41-46

Rapid microwave-assisted synthesis of phase controlled BiVO ₄ nanocrystals and research on photocatalytic properties under visible light irradiation	Liu, Jing Bing; Wang, Hao; Yan, Hui; Zhang, Hui Ming; Zhang, Wen Xiong	2008	J. Nanopart. Res., 2008, 10, 767-774
Preparation of iron oxide nanoparticles by microwave synthesis and their characterization	Acarbas, Ozge; Ozenbas, Macit	2008	J. Nanosci. Nanotechnol., 2008, 8, 655-659
Highly dispersed pt nanoparticles on mesoporous carbon nanofibers prepared by two templates	Chen, Xiu; He, Jianping; Wang, Tao; Zhang, Chuanxiang; Zhao, Guiwang; Zhou, Jianhua	2008	J. Phys. Chem. C, 2008, 112, 1028-1033
Microwave-assisted insertion of silver nanoparticles into 3-D mesoporous zinc oxide nanocomposites and nanorods	Bhattacharyya, S.; Gedanken, A.	2008	J. Phys. Chem. C, 2008, 112, 659-65
Green catalysis by microwave synthesized nanostructured materials	Choi, Kwang-Min; Park, Sang-Eon	2008	J. Phys. Chem. Solids, 2008, 69, 1501-1504
Monodispersed PEG-b-PSt nanoparticles prepared by atom transfer radical emulsion polymerization under microwave irradiation	Xu, Z.; Hu, X.; Li, X.; Yi, C.	2008	J. Polym. Sci., Part A: Polym. Chem., 2008, 46, 481-488
Synthesis of nano-crystalline (Ni/NiO)-YSZ by microwave-assisted combustion synthesis method: The influence of pH of precursor solution	Ebadzadeh, T.; Hesari, F.A.; Mohebbi, H.	2008	J. Power Sources, 2008, 178, 64-68
Novel Microwave-Assisted Digestion by Trypsin-Immobilized Magnetic Nanoparticles for Proteomic Analysis	Shuang Lin, Dong Yun, Dawei Qi, Chunhui Deng, Yan Li, and Xiangmin Zhang	2008	J. Proteome Research, 2008, 7, 1297-1307
Rapid synthesis of tin (IV) oxide nanoparticles by microwave induced thermohydrolysis	Jouhannaud, J.; Rossignol, J.; Stuerger, D.	2008	J. Solid State Chem., 2008, 181, 1439-1444
Flash microwave synthesis of trevorite nanoparticles	Bousquet-Berthelin, C.; Chaumont, D.; Stuerger, D.	2008	J. Solid State Chem., 2008, 181, 616-622
Microwave-induced synthesis of highly dispersed gold nanoparticles within the pore channels of mesoporous silica	Gu, Jinlou; Fan, Wei; Shimojima, Atsushi; Okubo, Tatsuya	2008	J. Solid State Chem., 2008, 181, 957-963
Microwave-assisted combustion synthesis of nanocrystalline La ₂ Mo ₉ oxide-ion conductor and its characterization	Muzhumathi, S.; Saradha, T.; Subramania, A.	2008	J. Solid State Electrochem., 2008, 12, 143-148
Microwave hydrothermal synthesis of nanosize TiO ₂	Chen, Zhiqin; Li, Wenkui; Zhou, Zehua	2008	Key Eng. Mater., 2008, 368-362, 1461-1462
Microwave-assisted synthesis of hexagonal barium ferrite powders with nano-particle	Dong, Li-Min; Han, Zhi-Dong; Wu, Ze; Zhang, Xian-You	2008	Key Eng. Mater., 2008, 368-362, 576-578
Microwave, Photo- and Thermally Responsive PNIPAm/Gold Nanoparticle Microgels	Budhlall, Bridgette M.; Marquez, Manuel; Velev, Orlin D.	2008	Langmuir, 2008, 24, 11959-11966
Strong Deaggregating Effect of a Novel Polyamino Resorcinarene Surfactant on Gold Nanoaggregates under Microwave Irradiation	Shen, Ming; Sun, Yan; Han, Ying; Yao, Rong; Yan, Chaoguo	2008	Langmuir, 2008, 24, 13161-13167
Microwave synthesis of electrically conductive gold nanowires on DNA scaffolds	Kundu, Subrata; Liang, Hong	2008	Langmuir, 2008, 24, 9668-9674
Nanoporous networks of Si-, Al-, P-oxygen tetrahedra with encapsulated dyes as new composite material	Wohrle, D.; Schulz-Ekloff, G.; Brauchle, C.; Laeri, F.	2008	Macromol. Symp., 2008, 270, 123-34
An in situ approach to prepare nanorods of titania-hydroxyapatite (TiO ₂ -HAp) nanocomposite by microwave hydrothermal technique	Pushpakanth, S.; Srinivasan, B.; Sreedhar, B.; Sastry, T. P.	2008	Mater. Chem. Phys., 2008, 107, 492-498

Microwave-induced polyol-process synthesis of $M\text{IIFe}_2\text{O}_4$ (M=Mn, Co) nanoparticles and magnetic property	Wang, W. W.	2008	Mater. Chem. Phys., 2008, 108, 227-231
Microwave-assisted green synthesis of silver nanoparticles by carboxymethyl cellulose sodium and silver nitrate	Chen, Jing; Jin, Yeling; Wang, Jing; Zhang, Xin	2008	Mater. Chem. Phys., 2008, 108, 421-424
Formation of hierarchical nanospheres of ZnS induced by microwave irradiation: A highlighted assembly mechanism	Yao, Q. Z.; Jin, G.; Zhou, G. T.	2008	Mater. Chem. Phys., 2008, 109, 164-168
Microwave hydrothermal synthesis and visible-light photocatalytic activity of $\gamma\text{-Bi}_2\text{O}_3/\text{MoO}_3$ nanoplates	Shen, Dezhong; Shen, Guangqiu; Wang, Xiaoqing; Xie, Huidong	2008	Mater. Chem. Phys., 2008, 110, 332-336
Microwave-assisted hydrothermal synthesis of nanocrystalline SnO powders	Pires, F.I.; Joanni, E.; Savu, R.; Zaghete, M.A.; Longo, E.; Varela, J.A.	2008	Mater. Lett., 2008, 62, 239-242
Synthesis and characterization of bismuth sulfide nanowires through microwave solvothermal technique	Li, Wen-hui	2008	Mater. Lett., 2008, 62, 243-245
Microwave-assisted synthesis and characterization of tin oxide nanoparticles	Krishnakumar, T.; Pinna, Nicola; Prasanna Kumari, K.; Perumal, K.; Jayaprakash, R.	2008	Mater. Lett., 2008, 62, 3437-3440
$\text{La}_{0.67}\text{Ce}_{0.03}\text{Sr}_{0.3}\text{MnO}_3$ -coupled microwave assisted ultra-fast synthesis of nanocrystalline Cobalt oxide and Bismuth oxide	Rajagopal, Rajashree; Mona, J.; Joshee, R.S.; Kale, S.N.; Pradhan, Sivaram; Gaikwad, A.B.; Ravi, V.	2008	Mater. Lett., 2008, 62, 1511-1513
Simple and rapid synthesis of ZnO nano-fiber by means of a domestic microwave oven	Takahashi, Naoyuki	2008	Mater. Lett., 2008, 62, 1652-1654
Development of radar absorbing nano crystals by microwave irradiation	Sharma, Rahul; Agarwala, R.C.; Agarwala, Vijaya	2008	Mater. Lett., 2008, 62, 2233-2236
Preparation and catalytic activity of Ni/CNTs nanocomposites using microwave irradiation heating method	Zhang, XiaoJuan; Jiang, Wei; Song, Dan; Liu, JianXun; Li, FengSheng	2008	Mater. Lett., 2008, 62, 2343-2346
Microwave-assisted hydrothermal synthesis of nanocrystalline SnO powders	Joanni, E.; Longo, E.; Pires, F.I.; Savu, R.; Varela, J.A.; Zaghete, M.A.	2008	Mater. Lett., 2008, 62, 239-242
Microwave synthesis of SrCO_3 one-dimensional nanostructures assembled from nanocrystals using ethylenediamine additive	Ma, Ming-Guo; Zhu, Ying-Jie	2008	Mater. Lett., 2008, 62, 2512-2515
Microwave synthesis of nano-sized barium titanate	Agrawal, Dinesh K.; Fang, Chris Y.; Lanagan, Michael T.; Polotai, Anton V.; Wang, Chiping	2008	Mater. Lett., 2008, 62, 2551-2553
Microwave-assisted synthesis of nickel nanoparticles	Huang, Tao; Liew, Kong Yong; Liu, Hanfan; Sun, Chuntao; Xu, Wei; Zhao, Yanxi	2008	Mater. Lett., 2008, 62, 2571-2573
Synthesis of KNbO_3 nanostructures by a microwave assisted hydrothermal method	Paula, Amauri J.; Parra, Rodrigo; Zaghete, Maria A.; Varela, José A.	2008	Mater. Lett., 2008, 62, 2581-2584
Synthesis of monodisperse $\text{WO}_3 \cdot 2\text{H}_2\text{O}$ nanospheres by microwave hydrothermal process with l (+) tartaric acid as a protective agent	Sun, Qingjun; Luo, Jianmin; Xie, Zhengfeng; Wang, Jide; Su, Xintai	2008	Mater. Lett., 2008, 62, 2992-2994
Preparation and characteristics of nanostructured $\text{MnO}_2/\text{MWCNTs}$ using microwave irradiation method	Fan, Zhuangjun; Qie, Zhongwei; Wei, Tong; Yan, Jun; Wang, Shanshan	2008	Mater. Lett., 2008, 62, 3345-3348
Microwave-assisted synthesis and characterization of tin oxide nanoparticles	Jayaprakash, R.; Krishnakumar, T.; Kumari, K. Prasanna; Perumal, K.; Pinna, Nicola	2008	Mater. Lett., 2008, 62, 3437-3440
Efficient one pot synthesis of chitosan-induced gold nanoparticles by microwave irradiation	Fan, Cailin; Li, Wei; Zhao, Shiju; Chen, Jian; Li, Xin	2008	Mater. Lett., 2008, 62, 3518-3520

Preparation and characterization of TiO ₂ /polystyrene core-shell nanospheres via microwave-assisted emulsion polymerization	Luo, H.L.; Sheng, J.; Wan, Y.Z.	2008	Mater. Lett., 2008, 62, 37-40
Microwave-assisted hydrothermal synthesis and optical property of Co ₃ O ₄ nanorods	Li, Wen-hui	2008	Mater. Lett., 2008, 62, 4149-4151
Microwave hydrothermal synthesis of nanocrystalline rutile	Chen, Zhiqin; Huang, Junlin; Li, Mingsheng; Li, Wenkui; Xiang, Junhuai; Zeng, Weijun; Zhou, Zehua	2008	Mater. Lett., 2008, 62, 4343-434
Preparation and characterization of ceria nanospheres by microwave-hydrothermal method	Santos, M.L. Dos; Lima, R.C.; Riccardi, C.S.; Tranquilin, R.L.; Bueno, P.R.; Varela, J.A.; Longo, E.	2008	Mater. Lett., 2008, 62, 4509-4511
Microwave-assisted preparation of calcium sulfate nanowires	Li, Liang; Zhu, Ying-Jie; Ma, Ming-Guo	2008	Mater. Lett., 2008, 62, 4552-4554
Synthesis of size-tunable metal nanoparticles based on polyacrylonitrile nanofibers enabled by electrospinning and microwave irradiation	Chao, Danming; Chen, Jingyu; Li, Zhenyu; Wang, Ce; Zhang, Wanjin	2008	Mater. Lett., 2008, 62, 692-694
Microwave assisted hydrothermal synthesis and magnetic property of hematite nanorods	Li, Qiaoling; Zhang, Xuejun	2008	Mater. Lett., 2008, 62, 988-990
Microwave dielectric properties and sintering behavior of nano-scaled ($\alpha + \theta$)-Al ₂ O ₃ ceramics	Huang, Cheng-Liang; Wang, Jun-Jie; Yen, Fu-Su; Huang, Chi-Yuen	2008	Mater. Res. Bull., 2008, 43, 1463-1471
Microwave-hydrothermal synthesis of nanostructured Na-birnessites and phase transformation by arsenic(III) oxidation	Dias, Anderson; Sá, Rodrigo G.; Spitale, Matheus C.; Athayde, Maycon; Ciminelli, Virginia S.T.	2008	Mater. Res. Bull., 2008, 43, 1528-1538
Microwave-assisted silica coating and photocatalytic activities of ZnO nanoparticles	Siddiquey, Iqbal Ahmed; Furusawa, Takeshi; Sato, Masahide; Suzuki, Noboru	2008	Mater. Res. Bull., 2008, 43, 3416-3424
CuO urchin-nanostructures synthesized from a domestic hydrothermal microwave method	Keyson, D.; Volanti, D.P.; Cavalcante, L.S.; Simões, A.Z.; Varela, J.A.; Longo, E.	2008	Mater. Res. Bull., 2008, 43, 771-775
Facile microwave hydrothermal synthesis of zinc oxide one-dimensional nanostructure with three-dimensional morphology	Cao, Liyun; Huang, Jianfeng; Xia, Changkui; Zeng, Xierong	2008	Mater. Sci. Eng., B, 2008, 150, 187-193
Microwave synthesis and photocatalytic activity of Bi ₂ O ₃ /TiO ₂ nanocomposite	Liao Xuehong; Wang Xiaojia	2008	Micronanoelectron. Technol., 2008, 45, 209-13
Development of photocatalytic efficient Ti-based nanotubes and nanoribbons by conventional and microwave assisted synthesis strategies	Ribbens, S.; Meynen, V.; Van Tendeloo, G.; Ke, X.; Mertens, M.; Maes, B.U.W.; Cool, P.; Vansant, E.F.	2008	Microporous Mesoporous Mater., 2008, 113, 401-409
Facile synthesis of ZnO nanorods by microwave irradiation of zinc-hydrazine hydrate complex	Bhat, Denthaje Krishna	2008	Nanoscale Res. Lett., 2008, 3, 31-35
Microwave-assisted rapid synthesis of anisotropic Ag nanoparticles by solid state transformation	Navaladian, S.; Viswanathan, B.; Varadarajan, T.K.; Viswanath, R.P.	2008	Nanotechnology, 2008, 19, 045603
Polyelectrolyte mediated scalable synthesis of highly stable silver nanocubes in less than a minute using microwave irradiation	Kundu, S.; Maheshwari, V.; Niu, S.; Saraf, R.F.	2008	Nanotechnology, 2008, 19, 065604
Zirconium diboride nanofiber generation via microwave arc heating	Baldrige, T.; Gupta, M.C.	2008	Nanotechnology, 2008, 19, 275601

Synthesis of few-layer graphene via microwave plasma-enhanced chemical vapour deposition	Malesevic, A.; Vitchev, R.; Schouteden, K.; Volodin, A.; Zhang, L.; Van Tendeloo, G.; Vanhulsel, A.; Van Haesendonck, C.	2008	Nanotechnology, 2008, 19, 305604
Template-free ZnS nanorod synthesis by microwave irradiation	Limaye, M.V.; Gokhale, S.; Acharya, S.A.; Kulkarni, S.K.	2008	Nanotechnology, 2008, 19, 415602
Palladium Nanoparticles Supported on an Organic-Inorganic Fluorinated Hybrid Material. Application to Microwave-Based Heck Reaction	Niembro, Sandra; Shafir, Alexandr; Vallribera, Adelina; Alibés, Ramon	2008	Org. Lett., 2008, 10, 3215-3218
Microwave heating coupled with ionic liquids: Synthesis and properties of novel optically active polyamides, thermal degradation and electrochemical stability on multi-walled carbon nanotubes electrode	Mallakpour, S.; Taghavi, M.	2008	Polymer, 2008, 49, 3239-3249
Microwave-induced synthesis and characterization of nanometer $Ce_{0.5}</sub>Zr_{0.5}</sub>O_{2</sub>}$ solid solution for the acidic catalytic reaction	CHEN, Yonghua; DU, Zhengkun; HU, Yucui; JIANG, Wei; LIANG, Tao; YIN, Ping	2008	Rare Met. Mater. Eng., 2008, 27, 138-141
Magnetic Fe ₃ O ₄ /poly(styrene-co-acrylamide) composite nanoparticles prepared by microwave-assisted emulsion polymerization	Huang, Jingjing; Pen, Hui; Xu, Zushun; Yi, Changfeng	2008	React. Funct. Polym., 2008, 68, 332-339
Microwave-hydrothermal synthesis and characterization of nano Mg-Al LDHs	Chen, Zhi-Wei; Guo, Hong; Wang, Yong-Zai	2008	Rengong Jingti Xuebao, 2008, 37, 1219-1223
Novel composite of Co/carbon nanotubes: Synthesis, magnetism and microwave absorption properties	Zheng, Zhong; Xu, Bo; Huang, Lu; He, Li; Ni, Xiaomin	2008	Solid State Sci., 2008, 10, 316-320
Preparation of Silver Nanoparticles by Microwave-Hydrothermal Technique	Kong, J.M.; Wong, C.V.; Gao, Z.Q.; Chen, X.T.	2008	Synth. React. Inorg. Met.-Org. Chem., 2008, 38, 186-188
Microwave synthesis of single-crystalline perovskite BiFeO ₃ nanocubes for photoelectrode and photocatalytic applications	Joshi, U.A.; Jum Suk Jang; Borse, P.H.; Jae Sung Lee	2008	Appl. Phys. Lett., 2008, 92, 242106-1-3
Preparation of needle shaped nano-copper by microwave-assisted water system and study on its application of enhanced epoxy resin coating electrical conductivity	Cheng, Xiaonong; Xu, Chi; Yin, Hengbo; Yuan, Jian; Zhang, Xifeng	2008	Appl. Surf. Sci., 2008, 254, 5757-5759
Synthesis of Pure Magnetite Nanoparticles Using Microwave Hydrothermal and Sonication	Mohammad, E.; Reza, R.; Bahram, N.	2008	Asian J. Chem., 2008, 20, 3857-3865
Efficient Microwave Oxidation of Alcohols Using Low-Loaded Supported Metallic Iron Nanoparticles	Gonzalez-Arellano, C.; Campelo, J.M.; Macquarrie, D.J.; Marinas, J.M.; Romero, A.A.; Luque, R.	2008	Chem. Sus Chem., 2008, 1, 746-750
Rapid microwave-solvothermal synthesis of phospho-olivine nanorods and their coating with a mixed conducting polymer for lithium ion batteries	Manthiram, A.; Muraliganth, T.; Vadivel Murugan, A.	2008	Electrochem. Commun., 2008, 10, 903-906
Research on nano-silver colloids prepared by Microwave Synthesis Method and its SERS activity	Dong, Gang; Fang, Yan; Si, Min-Zhen; Zhang, Peng-Xiang	2008	Guangzi Xuebao, 2008, 37, 1034-1037
Microwave synthesis and photocatalytic activity of nano lanthanide (Ce, Pr, and Nd) orthovanadates	Guru Row, T.N.; Madras, Giridhar; Mahapatra, Sudarshan; Nayak, Susanta K.	2008	Ind. Eng. Chem. Res., 2008, 47, 6509-6516
A New Route to Obtain High-Yield Multiple-Shaped Gold Nanoparticles in Aqueous Solution using Microwave Irradiation	Kundu, Subrata; Peng, Luohan; Liang, Hong	2008	Inorg. Chem., Am. Chem. Soc., 2008, 47, 6344-6352

Perovskite nanoparticles and nanowires: Microwave-hydrothermal synthesis and structural characterization by high-resolution transmission electron microscopy	Liu, Zhiguo; Ming, Naiben; Wang, Junyi; Zhang, Zhenghai; Zhou, Shunhua; Zhu, Jianmin; Zhu, Xinhua	2008	J. Am. Ceram. Soc., 2008, 91, 2683-2689
Microwave-Induced Multiple Functionalization of Carbon Nanotubes	Brunetti, Fulvio G.; Herrero, M. Antonia; de M. Muñoz, Juan; Díaz-Ortiz, Angel; Alfonsi, Jessica; Meneghetti, Moreno; Prato, Maurizio; Vázquez, Ester	2008	J. Am. Chem. Soc., 2008, 130, 8094-8100
Microwave Synthesis of CdSe and CdTe Nanocrystals in Nonabsorbing Alkanes	Washington, A.L.; Strouse, G.F.	2008	J. Am. Chem. Soc., 2008, 130, 8916-8922
Microwave-assisted hydrothermal synthesis of brookite nanoparticles from a water-soluble titanium complex and their photocatalytic activity	Kakahana, Masato; Kobayashi, Makoto; Morishima, Yusuke; Petrykin, Valery; Tomita, Koji	2008	J. Ceram. Soc. Jpn., 2007, 115, 826-830
Cyclic microwave-assisted synthesis and characterization of nano-crystalline alkaline earth metal tungstates	Phuruangrat, Anukorn; Thongtem, Somchai; Thongtem, Titipun	2008	J. Ceram. Soc. Jpn., 2008, 116, 605-609
Highly Efficient and Recyclable Au Nanoparticle-Supported Palladium(II) Interphase Catalysts and Microwave-Assisted Alkyne Cyclotrimerization Reactions in Ionic Liquids	Lin, Yu-Yun; Tsai, Shih-Chung; Yu, Shuchun Joyce	2008	J. Org. Chem., 2008, 73, 4920-4928
Microwave photocatalysis of mono-chloroacetic acid over nanoporous titanium(IV) oxide thin films using mercury electrodeless discharge lamps	Cirkva, V.; Zabova, H.; Hajek, M.	2008	J. Photochem. Photobiol., A, 2008, 198, 13-17
Microwave-assisted sol-gel synthesis and photoluminescence characterization of $\text{LaPO}_4 \cdot x\text{H}_2\text{O} : \text{Eu}^{3+}, \text{Li}^{+}$ nanophosphors	Lee, Joonho; Li, Wei	2008	J. Phys. Chem. C, 2008, 112, 11679-11684
Novel microwave synthesis of nanocrystalline SnO_2 and its electrochemical properties	Bingqing, Wei; Burke, William W.; Hongwei, Zhu; Subramanian, V.	2008	J. Phys. Chem. C, 2008, 112, 4550-4556
Systematic control of particle size in rapid open-vessel microwave synthesis of K-OMS-2 nanofibers	Chen, Chun-Hu; Crisostomo, Vincent Mark B.; Nyutu, Edward K.; Sithambaram, Shanthakumar; Suib, Steven L.	2008	J. Phys. Chem. C, 2008, 112, 6786-6793
Microwave-assisted green synthesis of MnO_2 nanoplates with environmental catalytic activity	Ai, Zhihui; Kong, Fanhai; Liu, Hao; Qiu, Jianrong; Xing, Wenting; Zhang, Lizhi	2008	Mater. Chem. Phys., 2008, 111, 162-167
Microwave Induced In-Situ Active Ion Etching of Growing InP Nanocrystals	Lovingood, Derek D.; Strouse, Geoffrey F.	2008	Nano Lett., 2008, 8, 3394-3397
Mechanical properties of microwave hydrothermally synthesized titanate nanowires	Chang, M.; Chung, C.C.; Deka, J.R.; Lin, C.H.; Chung, T.W.	2008	Nanotechnology, 2008, 19, 025710
Microwave-promoted hydrogenation and alkynylation reactions with palladium-loaded multi-walled carbon nanotubes	Olivier, J. H.; Camerel, F.; Ziessel, R.; Retailleau, P.; Amadou, J.; Pham-Huu, C.	2008	New J. Chem., 2008, 32, 920-924
Microwave plasmochemical synthesis of nanopowders in the system Pb-Zr-Ti-O	Torbov, V. I.; Kurkin, E. N.; Berestenko, V. I.; Balikhin, I. L.; Torbova, O. D.; Domashnev, I. A.; Troitskii, V. N.; Gurov, S. V.	2008	Russ. J. Gen. Chem., 2008, 78, 341-346
Microwave synthesis of nanosized VS-1 and the preparation of thin film	Ristic, A.; Mazaj, M.; Logar, N.Z.; Kaucic, V.	2008	Stud. Surf. Sci. Catal., 2008, 174, 365-368
Copper-Free Sonogashira Reaction Using Gold Nanoparticles Supported on Ce_2O_3 , Nb_2O_5 and SiO_2 under Microwave Irradiation	de Souza, R.O.M.A.; Bittar, M.S.; Mendes, L.V.P.; da Silva, C.M.F.; da Silva, V.T.; Antunes, O.A.C.	2008	Synlett, 2008, 12, 1777-1780

Study of Bismuth Nanoparticles and Nanotubes Obtained by Microwave Heating	Kharissova, O.; Osorio, M.; Garza, M.; Kharisov, B.	2008	Synth. React. Inorg. Met.-Org. Chem., 2008, 38, 567-572
Microwave-assisted synthesis of indium tin oxide nanocrystals in polyol media and transparent, conductive layers thereof	Feldmann, Claus; Hammarberg, Elin; Prodi-Schwab, Anna	2008	Thin Solid Films, 2008, 516, 7437-7442
Sonochemistry-assisted microwave synthesis and optical study of single-crystalline CdS nanoflowers.	Tai, Guoan; Guo, Wanlin	2008	Ultrason. Sonochem., 2008, 15, 350-6
Microwave-assisted Solid-state Synthesis of ZnO Nanorods	Liu, J.-S.; Cao, J.-M.; Li, Z.-Q.; Ke, X.-F.	2007	Acta Chim. Sinica, 2007, 65, 1476-1480
Simple solvothermal routes to synthesize nanocrystalline Bi ₂ MoO ₆ photocatalysts with different morphologies	Bi, Jinhong; Fu, Xianzhi; Li, Jie; Li, Zhaohui; Wang, Xuxu; Wu, Ling	2007	Acta Mater., 2007, 55, 4699-4705
Microwave-assisted simple and efficient ligand free copper nanoparticle catalyzed aryl-sulfur bond formation	Ranu, B. C.; Saha, A.; Jana, R.	2007	Adv. Synth. Catal., 2007, 349, 2690-2696
Synthesis of some aromatic aldehydes and acids by sodium ferrate in presence of copper nano-particles adsorbed on K 10 montmorillonite using microwave irradiation	Tandon, P. K.; Singh, S. B.; Srivastava, M.	2007	Appl. Organomet. Chem., 2007, 21, 264-267
Synthesis of thermally stable carboxymethyl cellulose/metal biodegradable nanocomposites for potential biological applications	Nadagouda, Mallikarjuna N.; Varma, Rajender S.	2007	Biomacromolecules, 2007, 8, 2762-2767
Shape Selective Oxidative Etching and Growth of Single-Twin Plate-Like and Multiple-Twin Decahedral and Icosahedral Gold Nanocrystals in the Presence of Au Seeds under Microwave Heating	Tsuji, M.; Miyamae, N.; Nishio, M.; Hikino, S.; Ishigami, N.	2007	Bull. Chem. Soc. Jpn., 2007, 80, 2024-2038
Preparation of Monodispersed Cu Nanoparticles by Microwave-Assisted Alcohol Reduction	Nakamura, T.; Tsukahara, Y.; Sakata, T.; Mori, H.; Kanbe, Y.; Bessho, H.; Wada, Y.	2007	Bull. Chem. Soc. Jpn., 2007, 80, 224-232
Carbon nanofilament synthesis by the decomposition of CH ₄ /CO ₂ under microwave heating	Fernández, Y.; Fidalgo, B.; Domínguez, A.; Arenillas, A.; Menéndez, J.A.	2007	Carbon, 2007, 45, 1706-1709
Polymer-wrapped multiwalled carbon nanotubes synthesized via microwave-assisted in situ emulsion polymerization and their optical limiting properties	Wu, Hui-Xia; Qiu, Xue-Qiong; Cao, Wei-Man; Lin, Yang-Hui; Cai, Rui-Fang; Qian, Shi-Xiong	2007	Carbon, 2007, 45, 2866-2872
Effects of catalyst pre-treatment on the growth of single-walled carbon nanotubes by microwave CVD	Bartsch, K.; Arnold, B.; Kaltofen, R.; Taschner, C.; Thomas, J.; Leonhardt, A.	2007	Carbon, 2007, 45, 543-552
Efficient microwave-assisted radical functionalization of single-wall carbon nanotubes	Liu, J.; Zubiri, M. R.; Vigolo, B.; Dossot, M.; Fort, Y.; Ehrhardt, J. J.; McRae, E.	2007	Carbon, 2007, 45, 885-891
Nanosize cobalt oxide-containing catalysts obtained through microwave-assisted methods	Herrero, M.; Benito, P.; Labajos, F. M.; Rives, V.	2007	Catal. Today, 2007, 128, 129-137
Effect of citric acid on the synthesis of nanocrystalline yttria stabilized zirconia powders by nitrate-citrate process	Pathak, L.C.; Roy, S.K.; Singh, K.A.	2007	Ceram. Int., 2007, 33, 1463-1468
Preparation of Ag Core-Cu Shell Nanoparticles by Microwave-assisted Alcohol Reduction Process	Nakamura, T.; Tsukahara, Y.; Yamauchi, T.; Sakata, T.; Mori, H.; Wada, Y.	2007	Chem. Lett., 2007, 36, 154-155
Microwave-assisted Preparation of Bi ₂ Te ₃ Hollow Nanospheres	Jiang, Y.; Zhu, Y.-J.; Chen, L.-D.	2007	Chem. Lett., 2007, 36, 382-383
A Novel Route to Prepare ZnO Nanotubes by Using Microwave Irradiation Method	Kong, X.-r.; Duan, Y.; Peng, P.; Qiu, C.; Wu, L.; Liu, L.; Zheng, W.	2007	Chem. Lett., 2007, 36, 428-429

Characterization and Electrochemical Property of alpha-Fe ₂ O ₃ Nanoparticles Prepared by Microwave Heating	Kijima, N.; Takahashi, Y.; Hayakawa, H.; Awaka, J.; Akimoto, J.	2007	Chem. Lett., 2007, 36, 568-569
Microwave-assisted Fabrication of PS@CdS Core-Shell Nanostructures and CdS Hollow Spheres	Wang, Y.; Wang, G.; Wang, H.; Tang, C.; Jiang, Z.; Zhang, L.	2007	Chem. Lett., 2007, 36, 674-675
Microwave-Assisted Synthesis of Water-Dispersed CdTe Nanocrystals with High Luminescent Efficiency and Narrow Size Distribution	He, Yao; Sai, Li-Man; Lu, Hao-Ting; Hu, Mei; Lai, Wen-Yong; Fan, Qu-Li; Wang, Lian-Hui; Huang, Wei	2007	Chem. Mater., 2007, 19, 359-365
Growth of Silicon Carbide Nanowires by a Microwave Heating-Assisted Physical Vapor Transport Process Using Group VIII Metal Catalysts	Sundaresan, Siddarth G.; Davydov, Albert V.; Vaudin, Mark D.; Levin, Igor; Maslar, James E.; Tian, Yong-Lai; Rao, Mulpuri V.	2007	Chem. Mater., 2007, 19, 5531-5537
Microwave-assisted Solvothermal Synthesis of YF ₃ :Yb ³⁺ ; Tm ³⁺ ; Nanobundles	Zhang, J.-s.; Qin, W.-p.; Zhang, J.-s.; Wan, Y.; Cao, C.-y.; Jin, Y.; Wei, G.-d.; Wang, G.-f.; Wang, L.-l.	2007	Chem. Res. Chin. Univ., 2007, 23, 733-735
Synthesis of Nanocrystalline MnCo ₂ O ₄ by Microwave Treatment and Its Electrocatalytic Performance	Ren, Z.; Zhou, D.; Tu, S.	2007	Chin. J. Catal., 2007, 28, 217-221
Microwave-induced Combustion Synthesis and Characterizations of Nanometer Ce _{1-x} La _x O _{2-d} e.l.t.a	Hao, S.-Y.	2007	Chin. J. Inorg. Chem., 2007, 23, 1477-1480
Rapid synthesis of silver nanostructures by using microwave-polyol method with the assistance of Pt seeds and polyvinylpyrrolidone	Tsuji, M.; Nishizawa, Y.; Matsumoto, K.; Miyamae, N.; Tsuji, T.; Xu Zhang	2007	Colloids Surf., 2007, 293, 185-94
Microwave Irradiation: An Important Tool to Functionalize Fullerenes and Carbon Nanotubes	Langa, F.; de la Cruz, P.	2007	Comb. Chem. High Throughput Screening, 2007, 10, 766-782
Improving mechanical properties of magnesium using nano-yttria reinforcement and microwave assisted powder metallurgy method	Gupta, M.; Tun, Khin Sandar	2007	Compos. Sci. Technol., 2007, 67, 2657-2664
Microwave-assisted synthesis of magnetite nanosheets in mixed solvents of ethylene glycol and water	Wang, Wei-Wei; Zhu, Ying-Jie	2007	Curr. Nanosci., 2007, 3, 171-176
Optical and mass spectroscopy measurements of Ar/CH ₄ /H ₂ microwave plasma for nano-crystalline diamond film deposition	Miyake, Masato; Nagatsu, Masaaki; Ogino, Akihisa; Watanabe, Jun; Zhan, Rujuan; Zhou, Haiyang	2007	Diamond Relat. Mat., 2007, 16, 675-678
Microwave-assisted combustion synthesis of alpha-alumina and magnesium aluminate spinel nanocomposite powders	Sang, Woo Kim; Young, Mi Jung	2007	Diffus. Def. Data Pt B, 2007, 119, 191-194
Microwave-assisted synthesis and electrochemical capacitance of polyaniline/multi-wall carbon nanotubes composite	An, Shuying; Mi, Hongyu; Yang, Sudong; Ye, Xiangguo; Zhang, Xiaogang	2007	Electrochem. Commun., 2007, 9, 2859-2862
Silicon nanowires synthesized via microwave-assisted chemical vapor deposition	Ndiege, N.; Shannon, M.; Masel, R.I.	2007	Electrochem. Solid-State Lett., 2007, 10, 55-9
Template-directed synthesis of boron nitride nanotube arrays by microwave plasma chemical reaction	Chen, Y.; Hu, Z.; Wang, X.Z.; Wu, Q.	2007	Electrochim. Acta, 2007, 52, 2841-2844
CTAB assisted microwave synthesis of ordered mesoporous carbon supported Pt nanoparticles for hydrogen electro-oxidation	Dang, Wang-Juan; Fu, Qing-Bin; He, Jian-Ping; Hu, Huo-Ping; Ji, Ya-Jun; Liu, Xiao-Lei; Zhang, Chuan-Xiang; Zhao, Gui-Wang; Zhao, Ji-Shuang; Zhou, Jian-Hua	2007	Electrochim. Acta, 2007, 52, 4691-4695
Microwave hydrothermal synthesis of MnZn ferrites nanopowder	Lai Zhen-yu; Lu Zhong-yuan; Liu Min; Sun Rong	2007	Electron. Compon. Mater., 2007, 26, 52-4

Synthesis of BaTiO ₃ nanoparticles by the combination of room temperature grinding and microwave heating	Chen, Wan-Ping; Sun, Xu-Feng; Wang, Shu-Feng; Zhang, Cong; Zhu, Qi-An	2007	Gongneng Cailiao, 2007, 38, 1009-1012
Synthesis and magnetic properties of Co _{1-x} Ir _x alloy nanoparticles for high-frequency applications	Chinnasamy, C.N.; Harris, V.G.; Hasegawa, D.; Ogawa, T.; Takahashi, Migaku; Yang, H.T.; Yoon, S.D.	2007	IEEE Trans. Magn., 2007, 43, 3112-3114
Pd and ZnAl ₂ O ₄ nanoparticles prepared by microwave-solvothermal method as catalyst precursors	Zawadzki, Miroslaw	2007	J. Alloys Compd., 2007, 439, 312-320
Comment on "microwave plasma synthesis of nanostructured gamma -Al ₂ O ₃ powders"	Hengzhi Wang; Heguo Zhu	2007	J. Am. Ceram. Soc., 2007, 90, 3367-8
Response to comment on "microwave plasma synthesis of nanostructured gamma -Al ₂ O ₃ powders"	Dravid, V.P.; Jian-Guo Zheng	2007	J. Am. Ceram. Soc., 2007, 90, 3369
Photoluminescent properties of SrTiO ₃ :Pr, Al nanophosphors synthesized by microemulsion-microwave heating	Gong, Menglian; Pang, Qi; Shi, Jianxin	2007	J. Am. Ceram. Soc., 2007, 90, 3943-3946
Facile RAFT Precipitation Polymerization for the Microwave-Assisted Synthesis of Well-Defined, Double Hydrophilic Block Copolymers and Nanostructured Hydrogels	An, Zesheng; Shi, Qihui; Tang, Wei; Tsung, Chia-Kuang; Hawker, Craig J.; Stucky, Galen D.	2007	J. Am. Chem. Soc., 2007, 129, 14493-14499
Reversible Microwave-Assisted Cycloaddition of Aziridines to Carbon Nanotubes	Brunetti, Fulvio G.; Herrero, M. Antonia; Muñoz, Juan de M.; Giordani, Silvia; Díaz-Ortiz, Angel; Filippone, Salvatore; Ruaro, Giorgio; Meneghetti, Moreno; Prato, Maurizio; zquez, Ester V	2007	J. Am. Chem. Soc., 2007, 129, 14580-14581
Facile Synthesis of High Quality TiO ₂ Nanocrystals in Ionic Liquid via a Microwave-Assisted Process	Ding, Kunlun; Miao, Zhenjiang; Liu, Zhimin; Zhang, Zhaofu; Han, Buxing; An, Guimin; Miao, Shiding; Xie, Yun	2007	J. Am. Chem. Soc., 2007, 129, 6362-6363
Microwave synthesis and characterization of magnesium based composites containing nanosized SiC and hybrid (SiC +Al ₂ O ₃) reinforcements	Balasubramanian, K.; Gupta, Manoj; Thakur, Sanjay Kumar	2007	J. Eng. Mater. Technol. Trans. ASME, 2007, 129, 194-199
Percolation and microwave characteristics of CoFeB-SiO ₂ / nano-granular films	Deng, Lianwen; Feng, Zekun; He, Huahui; Jiang, Jianjun	2007	J. Magn. Magn. Mater., 2007, 309, 285-289
Functionalization of carbon nanotubes by atomic nitrogen formed in a microwave plasma Ar + N ₂ and subsequent poly(?-caprolactone) grafting	Ruelle, B.; Peeterbroeck, S.; Gouttebaron, R.; Godfroid, T.; Monteverde, F.; Dauchot, J. P.; Alexandre, M.; Hecq, M.; Dubois, P.	2007	J. Mater. Chem., 2007, 17, 157-159
A fullerene-single wall carbon nanotube complex for polymer bulk heterojunction photovoltaic cells	Chen, Yuhong; Chhowalla, Manish; Iqbal, Zafar; Li, Cheng; Mitra, Somenath; Wang, Yubing	2007	J. Mater. Chem., 2007, 17, 2406-2411
Effect of microwave assisted and conventional thermal heating on the evolution of nanostructured inorganic-organic hybrid materials to binary ZrO ₂ -SiO ₂ oxides	Mascotto, S.; Tsetsgee, O.; Muller, K.; Maccato, C.; Smarsly, B.; Brandhuber, D.; Tondello, E.; Gross, S.	2007	J. Mater. Chem., 2007, 17, 4387-4399

Microwave radiation solid-phase synthesis of phosphotungstate nanoparticle catalysts and photocatalytic degradation of formaldehyde	Cai, Tiejun; Deng, Qian; Jiang, Shaoliang; Li, Xiaomei; Peng, Zhenshan; Yue, Ming; Zhou, Wenhui	2007	J. Mol. Catal. A: Chem., 2007, 62, 149-155
Microwave-assisted synthesis and magnetic property of magnetite and hematite nanoparticles	Ruan, Mei-Ling; Wang, Wei-Wei; Zhu, Ying-Jie	2007	J. Nanopart. Res., 2007, 9, 419-426
Tellurium nanotubes synthesized with microwave-assisted monosaccharide reduction method.	Liu, Tao; Zhang, Gang; Su, Xu; Chen, Xingguo; Wang, Dahai; Qin, Jingui	2007	J. Nanosci. Nanotechnol., 2007, 7, 2500-5
Phase transformations and phase-selective syntheses of aluminophosphate molecular sieves	Sung Hwa Jung; Taihuan Jin; Jin-Soo Hwang; Jong-San Chang	2007	J. Nanosci. Nanotechnol., 2007, 7, 2734-40
Microwave assisted semi-solvothermal synthesis of nanocrystalline barium titanate	Lee, Jong-Min; Amalnerkar, Dinesh P; Hwang, Young Kyu; Jung, Sung Hwa; Hwang, Jin-Soo; Chang, Jong-San	2007	J. Nanosci. Nanotechnol., 2007, 7, 952-959
Novel synthesis and thermal conductivity of CuO nanofluid	Zhu, H. T.; Zhang, C. Y.; Tang, Ya. M.; Wang, J. X.	2007	J. Phys. Chem. C, 2007, 111, 1646-1650
Microwave synthesis and optical properties of uniform nanorods and nanoplates of rare earth oxides	Glaspell, Garry; Panda, Asit B.; Samy El-Shall, M.	2007	J. Phys. Chem. C, 2007, 111, 1861-1864
Simultaneous and rapid microwave synthesis of polyacrylamide-metal sulfide (Ag/sub 2/S, Cu/sub 2/S, HgS) nanocomposites	Jie-Fang Zhu; Ying-Jie Zhu; Ming-Guo Ma; Li-Xia Yang; Lian Gao	2007	J. Phys. Chem. C, 2007, 111, 3920-6
Microwave-enhanced synthesis of Cu ₃ Se ₂ nanoplates and assembly of photovoltaic CdTe - Cu ₃ Se ₂ clusters	Cao, Xuebo; Gao, Geijian; Guo, Yang; Lan, Xianmei; Qian, Wenhui; Zhao, Cui	2007	J. Phys. Chem. C, 2007, 111, 6658-6662
Field-induced microwave absorption in Fe ₃ O ₄ nanoparticles and Fe ₃ O ₄ /polyaniline composites synthesized by different methods	Aphesteguy, J.C.; Bhagat, S.M.; Cunanan, Jessica; Jacobo, S.E.; Kurlyandskaya, G.V.	2007	J. Phys. Chem. Solids, 2007, 68, 1527-1532
Synthesis of ZrO ₂ nanoparticles in microwave hydrolysis of Zr (IV) salt solutions- ionic conductivity of PVdF-co-HFP-based polymer electrolyte by the inclusion of ZrO ₂ nanoparticles	Kalyana Sundaram, N.T.; Subramania, A.; Vasudevan, T.	2007	J. Phys. Chem. Solids, 2007, 68, 264-271
Microwave synthesis and surface-enhanced Raman scattering of gold nanoparticles	Fukuoka, T.; Matsumura, T.; Mori, Y.	2007	J. Soc. Photogr. Sci. Technol. Jpn., 2007, 70, 14-19
Microwave-assisted synthesis of tin sulfide nanoflakes and their electrochemical performance as Li-inserting materials	Patra, C. R.; Odani, A.; Pol, V. G.; Aurbach, D.; Gedanken, A.	2007	J. Solid State Electrochem., 2007, 11, 186-94
Synthesis of nanosized carbonated hydroxyapatite under microwave irradiation	Jiyong, Chen; Junguo, Ran; Li, Gou; Xindong, Zhang; Xu, Ran	2007	Key Eng. Mater., 2007, 330-332 I, 303-306
Facile Functionalization of Gold Nanoparticles via Microwave-Assisted 1,3 Dipolar Cycloaddition	Sommer, W.J.; Weck, M.	2007	Langmuir, 2007, 23, 11991-11995
Fast Preparation of PtRu Catalysts Supported on Carbon Nanofibers by the Microwave-Polyol Method and Their Application to Fuel Cells	Tsuji, Masaharu; Kubokawa, Masatoshi; Yano, Ryuto; Miyamae, Nobuhiro; Tsuji, Takeshi; Jun, Mun-Suk; Hong, Seonghwa; Lim, Seongyop; Yoon, Seong-Ho; Mochida, Isao	2007	Langmuir, 2007, 23, 387-390
High-quality ZnS shells for CdSe nanoparticles: Rapid microwave synthesis	Grabolle, Markus; Merkulov, Alexei; Nann, Thomas; Resch-Genger, Ute; Ziegler, Jan	2007	Langmuir, 2007, 23, 7751-7759

Microwave-Assisted Coating of PMMA Beads by Silver Nanoparticles	Alexander Irzh, Nina Perkas, and Aharon Gedanken	2007	Langmuir, 2007, 23, 9891-9897
Microwave-assisted synthesis and characterization of poly(ϵ - caprolactone)/ montmorillonite nanocomposites	Gong, Shaoqin; Liao, Liqiong; Zhang, Chao	2007	Macromol. Chem. Phys., 2007, 208, 1301-1309
Microwave-assisted synthesis and characterization of poly(ϵ - caprolactone)/ montmorillonite nanocomposites	Liqiong Liao; Chao Zhang; Shaoqin Gong	2007	Macromol. Chem. Phys., 2007, 208, 1301-9
Preparation of Novel Metallic and Bimetallic Cross-Linked Poly (Vinyl Alcohol) Nanocomposites Under Microwave Irradiation	Nadagouda, M.N.; Varma, R.S.	2007	Macromol. Rapid Commun., 2007, 28, 465–472
Microwave-assisted synthesis of crosslinked poly(vinyl alcohol) nanocomposites comprising single-walled carbon nanotubes, multi-walled carbon nanotubes, and buckminsterfullerene	Nadagouda, Mallikarjuna N.; Varma, Rajender S.	2007	Macromol. Rapid Commun., 2007, 28, 842-847
Production of vanadium nitride nanopowders from gas-phase VOCl_3 / by making use of microwave plasma torch	Hong, Yong Cheol; Shin, Dong Hun; Uhm, Han Sup	2007	Mater. Chem. Phys., 2007, 101, 35-40
Microwave hydrothermal synthesis and visible-light photocatalytic activity of Bi_2WO_6 nanoplates	Shen, Dezhong; Shen, Guangqiu; Wang, Xiaoqing; Xie, Huidong	2007	Mater. Chem. Phys., 2007, 103, 334-339
One pot synthesis of polymer protected Pt, Pd, Ag and Ru nanoparticles and nanoprisms under reflux and microwave mode of heating in glycerol-A comparative study	Nirmala Grace, A.; Pandian, K.	2007	Mater. Chem. Phys., 2007, 104, 191-198
In situ synthesis of spherical BCP nanopowders by microwave assisted process	Lee, Byong-Taek; Lee, Kap-Ho; Paul, Rajat Kanti; Song, Ho-Yeon; Youn, Min-Ho	2007	Mater. Chem. Phys., 2007, 104, 249-253
Microwave plasma synthesis of TiN and ZrN nanopowders	Lik, Joseph; Chau, Hang; Kao, Chih Chun	2007	Mater. Lett., 2007, 61, 1583-1587
Rapid, single-step preparation of dendrimer-protected silver nanoparticles through a microwave-based thermal process	Luo, Yonglan; Sun, Xuping	2007	Mater. Lett., 2007, 61, 1622-1624
Microwave-assisted synthesis of praseodymium hydroxide nanorods and thermal conversion to oxide nanorod	Ma, Lin; Chen, Weixiang; Zhao, Jie; Zheng, Yifeng; Li, Xiang; Xu, Zhude	2007	Mater. Lett., 2007, 61, 1711-1714
Microwave-assisted synthesis of barium tungstate nanosheets and nanobelts by using polymer PVP micelle as templates	Luo, Zhijun; Li, Huaming; Xia, Jiexiang; Zhu, Wenshuai; Guo, Junxiang; Zhang, Beibei	2007	Mater. Lett., 2007, 61, 1845-1848
A simple microwave-based route for size-controlled preparation of colloidal Pt nanoparticles	Luo, Yonglan	2007	Mater. Lett., 2007, 61, 1873-1875
Transformation of carbon nanotubes to diamond in microwave hydrogen plasma	Yang, Qiaoqin; Yang, Songlan; Xiao, Chijin; Hirose, Akira	2007	Mater. Lett., 2007, 61, 2208-2211
Synthesis of Ni and bimetallic FeNi nanopowders by microwave plasma method	Chau, Joseph Lik Hang	2007	Mater. Lett., 2007, 61, 2753-2756
Microwave-assisted hydrothermal synthesis and characterizations of PrF_3 hollow nanoparticles	Chen, Wei-Xiang; Ma, Lin; Xu, Zhude; Zhao, Jie; Zheng, Yi-Fan	2007	Mater. Lett., 2007, 61, 2765-2768
Investigation of the microwave-absorbing properties of Fe-filled carbon nanotubes	Guo, Hongfan; Lin, Haiyan; Yu, Liufang; Zhu, Hong	2007	Mater. Lett., 2007, 61, 3547-3550
Rapid synthesis of hexagon-shaped gold nanoplates by microwave assistant method	Wang, Jine; Wang, Zhenxin	2007	Mater. Lett., 2007, 61, 4149-4151

A simple microwave-assisted decomposing route for synthesis of ZnO nanorods in the presence of PEG400	Cao, Jie-ming; Ji, Guang-bin; Li, Zi-quan; Liu, Jin-song; Zheng, Ming-bo	2007	Mater. Lett., 2007, 61, 4409-4411
Microwave-enhanced rapid and green synthesis of well crystalline Sb ₂ Se ₃ nanorods with a flat cross section	Zhao, Cui; Cao, Xuebo; Lan, Xianmei	2007	Mater. Lett., 2007, 61, 5083-5086
Microwave driven hydrothermal synthesis of Ba _{1-x} Sr _x TiO ₃ nanoparticles	Pażik, R.; Hreniak, D.; Stręk, W.	2007	Mater. Res. Bull., 2007, 42, 1188-1194
Microwave synthesis of nanocrystalline Sb ₂ S ₃ and its electrochemical properties	Huaming Yang; Xiaohui Su; Aidong Tang	2007	Mater. Res. Bull., 2007, 42, 1357-63
Microwave-hydrothermal synthesis of γ-Fe ₂ O ₃ nanoparticles and their magnetic properties	Sreeja, V.; Joy, P.A.	2007	Mater. Res. Bull., 2007, 42, 1570-1576
Microwave-assisted synthesis of nanocrystalline YFeO ₃ and study of its photoactivity	Lin, Jiamin; Liu, Jun; Lu, Xiaomeng; Shu, Huoming; Xie, Jimin; Yin, Changqing	2007	Mater. Sci. Eng., B, 2007, 138, 289-292
Microwave absorbing property of Fe-filled carbon nanotubes synthesized by a practical route	Guo, Hongfan; Lin, Haiyan; Yu, Liufang; Zhu, Hong	2007	Mater. Sci. Eng., B, 2007, 138, 101-104
Synthesis and properties of nanograined La-Ca-manganite-Ni-ferrite composites	Vitta, S.; Nayak, B. B.; Bahadur, D.	2007	Mater. Sci. Eng., B, 2007, 139, 171-176
Controlled microwave-assisted synthesis of ZnO nanopowder and its catalytic activity for O-acylation of alcohol and phenol	Moghaddam, Firouz Matloubi; Saeidian, Hamdollah	2007	Mater. Sci. Eng., B, 2007, 139, 265-269
Fabrication of porous structure of BCP sintered bodies using microwave assisted synthesized HAp nanopowder	Min-Ho Youn; Rajat Kanti Paul; Ho-Yeon Song; Byong-Taek Lee	2007	Mater. Sci. Forum, 2007, 534-536, 49-52
Microwave-assisted synthesis of phase pure YFeO ₃ nanocrystallite	Gu, Zhanjun; Lu, Xiaomeng; Xie, Jimin; Zhang, Hui	2007	Mater. Sci. Forum., 2007, 561-565, 1085-1088
Microwave-flash combustion synthesis of yttria nanopowders	Camurri, C.P.; Mangalaraja, R.V.; Ramam, K.V.S.; Ravi, J.	2007	Mater. Sci., 2007, 25, 1075-1080
Processing nano materials in conventional hydrothermal and microwave hydrothermal	Cavalcante, Laécio S.; De Moura, Ana Paula; Junior, Mario G.; Keyson, Dawy; Lima, Renata C.; Macario, Leilane R.; Moreira, Mario L.; Volanti, Diogo P.	2007	Metal. Mater., 2007, 63, 352-357
Microwave hydrothermal synthesis of yttria stabilized zirconia at low temperature	Zhao qing; Yang Yang; Sun Yong-xin; Wang Shao-gang; Liu Li; Chang Ai-min	2007	Micronanoelectron. Technol., 2007, 44, 76-85
Microwave dielectric properties of NiFe ₂ O ₄ nanoparticles ferrites	Andre, P.; Costa, L.C.; Gouveia, D.X.; Graca, M.P.F.; Nunes, J.F.; Paiva, J.A.C.; Rubinger, C.P.L.; Salgueiro, C.C.M.	2007	Microw. Opt. Technol. Lett., 2007, 49, 1341-1343
Microwave-assisted synthesis of anatase TiO ₂ nanorods with mesopores	Feng, Yingjun; He, Wen; Jia, Xingtao; Li, Zhengmao; Zhang, Xudong; Zhao, Hongshi	2007	Nanotechnology, 2007, 18, 075602
Microwave-induced titanate nanotubes and the corresponding behaviour after thermal treatment	Ou, H. H.; Lo, S. L.; Liou, Y. H.	2007	Nanotechnology, 2007, 18, 175702
A microwave-assisted polyol method for the deposition of silver nanoparticles on silica spheres	Tuval, T.; Gedanken, A.	2007	Nanotechnology, 2007, 18, 255601
Synthesis and microwave properties of highly permeable FeCo-based nano-alloys	Kim, Young Keun; Wu, Jun Hua	2007	Phys. Status Solidi A, 2007, 204, 4087-4090
Microwave plasma synthesis of nanocrystalline YSZ	Brossmann, U.; Kothleitner, G.; Letofsky-Papst, I.; Polt, P.; Sagmeister, M.; Szabo, D.V.; Wurschum, R.	2007	Phys. Status Solidi RRL, 2007, 1, 107-109

Nanohybrid polymer prepared by successive polymerization of methacrylate monomer containing silver nanoparticles in situ prepared under microwave irradiation	Wada, Y.; Kobayashi, T.; Yamasaki, H.; Sakata, T.; Hasegawa, N.; Mori, H.; Tsukahara, Y.	2007	Polymer, 2007, 48, 1441-1444
Synthesis of nanosized carbonated hydroxyapatite using microwave irradiation	Ran Junguo; Ran Xu; Gou Li; Su Baohui; Huang ChenFu; Li Yang	2007	Rare Met. Mater. Eng., 2007, 36, 162-4
Synthesis of nanosized $\text{TiO}_2/\text{SiO}_2$ particles using microwave processes and their photocatalytic activity on the decomposition of orange II	Baek, Seung Hee; Hong, Seong-Soo; Jeong, Euh Duck; Jung, Won Young; Kim, Hyun Gyu; Lee, Gun-Dae; Park, Seong Soo	2007	React. Kinet. Catal. Lett., 2007, 91, 233-240
Microwave-assisted route for synthesis of nanosized metal oxides	Balaji, S.D.; Basavaraja, S.; Havanoor, Vijayanand; Lagashetty, Arunkumar; Venkataraman, A.	2007	Sci. Technol. Adv. Mater., 2007, 8, 484-493
Tile overlapping model for synthesizing TiO_2 nanotubes by microwave irradiation	Xing Wu; Qi-Zhong Jiang; Zi-Feng Ma; Wen-Feng Shangguan	2007	Solid State Commun., 2007, 143, 343-7
Large shift in the photoluminescent properties of Mn ²⁺ -doped nanosized CdS-ZnS solid solutions	Arora, S.; Manoharan, S.S.	2007	Solid State Commun., 2007, 144, 319-23
Microwave solid-state synthesis of spinel $\text{Li}_4\text{Ti}_5\text{O}_{12}$ nanocrystallites as anode material for lithium-ion batteries	Juan Li; Yong-Li Jin; Xiao-Gang Zhang; Hui Yang	2007	Solid State Ion. Diffus. React., 2007, 178, 1590-4
Microwave solid-state synthesis of spinel $\text{Li}_4\text{Ti}_5\text{O}_{12}$ nanocrystallites as anode material for lithium-ion batteries	Jin, Yong-Li; Li, Juan; Yang, Hui; Zhang, Xiao-Gang	2007	Solid State Ionics, 2007, 178, 1590-1594
Simple and rapid synthesis of MgO with nanocube shape by means of a domestic microwave oven	Takahashi, Naoyuki	2007	Solid State Sci., 2007, 9, 722-724
Hydrothermal and microwave-assisted synthesis of nanocrystalline ZnO photocatalysts	Baranchikov, Alexander Ye.; Ivanov, Vladimir K.; Shaporev, Alexey S.; Sharikov, Felix Yu.	2007	Superlattices Microstruct, 2007, 42, 421-424
Synthesis and characterization of nano-sized nitride particles by using an atmospheric microwave plasma technique	Bang, Chan Uk; Hong, Yong Cheol; Uhm, Han Sup	2007	Surf. Coat. Technol., 2007, 201, 5007-5011
Synthesis of oxide nanoparticles via microwave plasma decomposition of initial materials	Hong, Yong Cheol; Kim, Jong Hun; Uhm, Han Sup	2007	Surf. Coat. Technol., 2007, 201, 5114-5120
Microwave synthesis and characterization of magnesium based composites containing nanosized SiC and hybrid (SiC+Al ₂ O ₃) reinforcements	Thakur, S. K.; Balasubramanian, K.; Gupta, M.	2007	Trans. ASME, J. Eng. Mater. Technol., 2007, 129, 194-9
Microwave absorbing properties of $\text{La}_{0.8}\text{Ba}_{0.2}\text{MnO}_3$ nano-particles	DENG, Jian-jie; GAO, Song-hua; MA, Shi-hong; YIN, Li-song; ZHOU, Ke-sheng	2007	Trans. Nonferrous Met. Soc. China, 2007, 17, 947-950
SiC nanowires synthesized by microwave heating	Jiao, Xian-He; Liu, Ji-Xuan; Lu, Bin; Zhu, Hua-Wei	2007	Wuji Cailiao Xuebao, 2007, 22, 1135-1138
Convenient, rapid synthesis of Ag nanowires	Linfeng Gou; Chipara, M.; Zaleski, J.M.	2007	Chem. Mater., 2007, 19, 1755-60
Tunable photoluminescence of CdTe nanocrystals over wide spectral range via microwave-assisted surface modification	Bin Liu; Jun Li; Jing-hong Li	2007	Chin. J. Chem. Phys., 2007, 20, 495-9
Microwave-assisted synthesis of luminescent $\text{LaPO}_4:\text{Ce},\text{Tb}$ nanocrystals in ionic liquids	Buhler, Gunnar; Feldmann, Claus	2006	Angew. Chem. Int. Ed., 2006, 45, 4864-4867

Large well-aligned nanostructures of beta - Ga/sub 2/O/sub 3/ synthesized by microwave plasma chemical vapor deposition	Feng Zhu; ZhongXue Yang; WeiMin Zhou; YaFei Zhang	2006	Appl. Surf. Sci., 2006, 53, 1655-9
Synthesis of nanocrystalline fluorinated hydroxyapatite by microwave processing and its in vitro dissolution study	Rameshbabu, N.; Sampath Kumar, T. S.; Prasad Rao, K.	2006	Bull. Mater. Sci., 2006, 29, 611-615
Microwave-assisted synthesis of β -Co(OH) ₂ and Co ₃ O ₄ nanosheets via a layered precursor conversion method	Cheng, Guo-Feng; Huang, Yue-Hong; Liang, Zhen-Hua; Zhu, Ying-Jie	2006	Can. J. Chem., 2006, 84, 1050-1053
Synthesis of carbon nanotubes from solid carbon sources by direct microwave irradiation	Yoon, D-M; Yoon, B-J; Lee, K-H; Kim H.S.; Park, C.G.	2006	Carbon, 2006, 44, 1339-1343
Freestanding vertically oriented single-walled carbon nanotubes synthesized using microwave plasma-enhanced CVD	Maschmann, M. R.; Amama, P. B.; Goyal, A.; Iqbal, Z.; Fisher, T. S.	2006	Carbon, 2006, 44, 2758-2763
Rapid, low temperature microwave synthesis of novel carbon nanotube-silicon carbide composite	Yubing Wang, Zafar Iqbal and Somenath Mitra	2006	Carbon, 2006, 44, 2804-2808
Microwave-assisted synthesis of PbWO ₄ nano-powders via a citrate complex precursor and its photoluminescence	Jeong Ho Ryu; Sang-Mo Koo; Dong Suk Chang; Jong-Won Yoon; Chang Sung Lim; Kwang Bo Shim	2006	Ceram. Int., 2006, 32, 647-52
Microwave synthesis of nanocarbons from conducting polymers	Zhang, Xinyu; Manohar, Sanjeev K	2006	Chem. Commun., 2006, 23, 2477-9
Preparation of Nanocrystalline ZnO on the Surface of Kaolinite by Microwave Heating and Mechanism Analyses for Its Formation	Zhang, X.-R.; Gu, X.-W.; Sun, J.; Xu, Z.	2006	Chem. J. Chin. Univ., 2006, 27, 1555-1557
Microwave Assisted Synthesis of Emissiontunable ZnS: Cu Nanocrystals	Jian, W.-P.; Zhang, D.-W.; Wang, L.-L.; Zhuang, J.-Q.; Yang, W.-S.; Bai, Y.-B.	2006	Chem. J. Chin. Univ., 2006, 27, 2340-2343
Microwave Enhancement of Elasticity in Poly(propylene)-Carbon Nanotube Composites	Yoshida, S.; Mitsumata, T.; Sano, M.	2006	Chem. Lett., 2006, 35, 262-263
Microwave-polyol Process for Functionalizing Carbon Nanotubes with SnO ₂ and CeO ₂ Coating	Bai, J.; Xu, Z.; Zheng, Y.	2006	Chem. Lett., 2006, 35, 96-97
Microwave-Assisted Single-Step Functionalization and in Situ Derivatization of Carbon Nanotubes with Gold Nanoparticles	Raghuveer, M.S.; Agrawal, S.; Bishop, N.; Ramanath, G.	2006	Chem. Mater., 2006, 18, 1390-1393.
Low temperature growth of single-walled carbon nanotubes: Small diameters with narrow distribution	Bai, X.D.; Liu, S.; Wang, E.G.; Wang, W.L.; Xu, Z.	2006	Chem. Phys. Lett., 2006, 419, 81-85.
Microwave-Assisted Covalent Sidewall Functionalization of Multiwalled Carbon Nanotubes	Li, J.; Grennberg, H.	2006	Chemistry Weinheim, 2006, 12, 3869-3875
Microwave Synthesis of Nanoporous Materials	Tompsett, G. A.; Conner, W. C.; Yngvesson, K. S.	2006	Chemphyschem Weinheim, 2006, 7, 296-319.
Preparation and Characterization of Nanocrystalline MgNb ₂ O ₆ Microwave Dielectric Powder	Wang, W.; Zhang, Q.-L.; Wang, H.-P.; Yang, H.	2006	Chin. J. Inorg. Chem., 2006, 22, 1887-1890
Synthesis of Titania Nanotubes by Microwave Method	Wu, X.; Jiang, Q.-Z.; Ma, Z.-F.; Shangquan, W.-F.	2006	Chin. J. Inorg. Chem., 2006, 22, 341-45
A rapid and simple route to synthesizing ZnO nanorods by using microwave irradiation	Kong Xiang-rong; Qiu Chen; Liu Qiang; Liu Lin; Zheng Wen-jun	2006	Chin. J. Sens. Actuators, 2006, 19, 2331-2336
One pot synthesis of polymer protected gold nanoparticles and nanoprisms in glycerol	Grace, A. Nirmala; Pandian, K.	2006	Colloids Surf. A, 2006, 290, 138-142

Synthesis, magnetic and microwave absorbing properties of core-shell structured MnFe ₂ O ₄ /TiO ₂ nanocomposites	Shao-Yun Fu; Hong-Mei Xiao; Xian-Ming Liu	2006	Compos. Sci. Technol., 2006, 66, 2003-2008
Synthesis of thick, uniform, smooth ultrananocrystalline diamond films by microwave plasma-assisted chemical vapor deposition	Grotjohn, T. A.; Huang, W. S.; Tran, D. T.; Asmussen, J.; Reinhard, D.	2006	Diam. Relat. Mater., 2006, 15, 341-344.
Microwave synthesis of Li ₄ Ti ₅ O ₁₂ nanocomposite oxides as the negative material for lithium-ion batteries	Jin, Yong-Li; Li, Juan; Li, Shuang-Mei; Zhang, Xiao-Gang	2006	Gongneng Cailiao, 2006, 37, 458-460
Microstructure analyses of metal-filled carbon nanotubes synthesized by microwave plasma-enhanced chemical vapor deposition	Carey, J. David; Hayashi, Yasuhiko; Henley, Simon J.; Kaneko, Kenji; Silva, S.R.P.; Stolojan, Vlad; Tokunaga, Tomoharu	2006	IEEE Trans. Nanotechnol., 2006, 5, 485-490
Microwave-assisted synthesis of BaMoO ₄ nanocrystallites by a citrate complex method and their anisotropic aggregation	Ryu, Jeong Ho; Shim, Kwang Bo; Yoon, Jong-Won	2006	J. Alloys Compd., 2006, 413, 144-149
Low temperature synthesis of the microwave dielectric Bi ₂ O ₃ /MgONb ₂ O ₅ nano powders by metal-citrate method	Kwang Bo Shim; Seung Hwan Shim; Jong-Won Yoon; Matsushita, J.; Buh Sung Hyun; Seung Gu Kang	2006	J. Alloys Compd., 2006, 413, 188-192
Microwave-assisted polyol process for synthesis of Ni nanoparticles	Komarneni, Sridhar; Li, Dongsheng	2006	J. Am. Ceram. Soc., 2006, 89, 1510-1517
One-Step Microwave Preparation of Well-Defined and Functionalized Polymeric Nanoparticles	Zesheng An, Wei Tang, Craig J. Hawker, and Galen D. Stucky	2006	J. Am. Chem. Soc., 2006, 128, 15054-15055
Microwave Synthesis of Highly Aligned Ultra Narrow Semiconductor Rods and Wires	Panda, A.B.; Glaspell, G.; El-Shal, M.S.	2006	J. Am. Chem. Soc., 2006, 128, 2790-2791.
Microwave-assisted synthesis of anhydrous CdS nanoparticles in a water-oil microemulsion	Caponetti, Eugenio; Leone, Maurizio; Martino, Delia Chillura; Pedone, Lucia; Saladino, Maria Luisa; Vetri, Valeria	2006	J. Colloid Interface Sci., 2006, 304, 413-418
In situ synthesis of magnetic particles on the surface of tetra-needle like ZnO whisker	Hu, S.; Zhou, Z.; Zhou, Z.	2006	J. Cryst. Growth, 2006, 287, 54-57
Synthesis and photoluminescence of Eu ³⁺ - or Tb ³⁺ -doped Mg ₂ SiO ₄ nanoparticles prepared by a combined novel approach	Jianxin S.; Hongmei Y.; Menglian G.; Cheah, K. W.	2006	J. Lumin., 2006, 118, 257-264.
Microwave synthesis of magnetic Fe ₃ O ₄ nanoparticles used as a precursor of nanocomposites and ferrofluids	Hong, R.Y.; Li, H.Z.; Pan, T.T.	2006	J. Magn. Magn. Mater., 2006, 303, 60-68
AlPO-18 nanocrystals synthesized under microwave irradiation	van Heyden, H.; Mintova, S.; Bein, T.	2006	J. Mater. Chem., 2006, 16, 514-518
Synthesis of ultrasmooth nanostructured diamond films by microwave plasma chemical vapor deposition using a He/H ₂ /CH ₄ /N ₂ gas mixture	Chowdhury, S.; Hillman, D. A.; Cattedge, S. A.; Konovalov, V. V.; Vohra, Y. K.	2006	J. Mater. Res., 2006, 21, 2675-2682
Photoluminescence properties of nanocrystalline ZnS on nanoporous silicon	Vadivel Murugan, A.; Oh Yee Heng; Ravi, V.; Viswanath, A. K.	2006	J. Mater. Sci., 2006, 41, 1459-1464
Microwave hydrothermal synthesis of nanosize Ta ₂ O ₅ added Mg-Cu-Zn ferrites	Krishnaveni, T.; Murthy, S. R.; Gao, F.; Lu, Q.; Komarneni, S.	2006	J. Mater. Sci., 2006, 41, 1471-1474
Microwave hydrothermal synthesis of nanosize PbO added Mg-Cu-Zn ferrites	Gao, F.; Komarneni, S.; Lu, Q.; Murthy, S.R.; Raju, V. Seetha Rama	2006	J. Mater. Sci., 2006, 41, 1475-1479
Microwave assisted synthesis of nanocrystalline YAG	Vaidhyanathan, B.; Binner, J. G. P.	2006	J. Mater. Sci., 2006, 41, 5954-5957

The microwave plasma process - a versatile process to synthesise nanoparticulate materials	Vollath, D.; Szabo, D. V.	2006	J. Nanopart. Res., 2006, 8, 417-428
Microwave-assisted synthesis of Pt nanocrystals and deposition on carbon nanotubes in ionic liquids	Du, Jimin; Han, Buxing; Huang, Jun; Liu, Zhimin; Miao, Shiding; Sun, Zhenyu; Zhang, Jianling	2006	J. Nanosci. Nanotechnol., 2006, 6, 175-179
Microwave synthesis of metallosilicate zeolites with fibrous morphology	Hwang, Young Kyu; Jin, Taihuan; Kim, Ji Man; Kwon, Young-Uk; Park, Sang-Eon; Chang, Jong-San	2006	J. Nanosci. Nanotechnol., 2006, 6, 1786-1791
Fast synthesis of cerium oxide nanoparticles and nanorods	Gao, Feng; Komarneni, Sridhar; Lu, Qingyi	2006	J. Nanosci. Nanotechnol., 2006, 6, 3812-3819
A microwave route for the synthesis of nanoflakes and dendrites-type β -In/sub2/S/sub3/ and their characterization	Gabashvili, Alexandra; Gedanken, Aharon; Kolytyn, Yuri; Mastai, Yitzhak; Palchik, Valery; Patra, Chitta Ranjan; Patra, Sujata; Slifkin, Michael A.	2006	J. Nanosci. Nanotechnol., 2006, 6, 845-851
Synthesis of oligophenylene-substituted calix 4 crown-4s and their silver(I) ion-induced nanocones formation	Lo, P.K.; Shuang, S.; Sun, X.H.; Wong, M.S.; Wong, W.Y.; Xia, P.F.	2006	J. Org. Chem., 2006, 71, 940-946.
Photoelectrochemical characterisation of TiO ₂ thin films derived from microwave hydrothermally processed nanocrystalline colloids	Zhang, S.; Wen, W.; Jiang, D.; Zhao, H.; John, R.; Wilson, G. J.; Will, G. D.	2006	J. Photochem. Photobiol., A, 2006, 179, 305-313
Microwave-Assisted Growth and Characterization of Water-Dispersed CdTe/CdS Core-Shell Nanocrystals with High Photoluminescence	He, Yao ; Lu,Hao-Ting; Sai, Li-Man; Lai, Wen-Yong; Fan, Qu-Li; Wang, Lian-Hui; Huang, Wei	2006	J. Phys. Chem. B, 2006, 110, 13352-13356
Microwave-assisted growth and characterization of water-dispersed CdTe/CdS core-shell nanocrystals with high photoluminescence	Fan, Qu-Li; He, Yao; Huang, Wei; Lai, Wen-Yong; Lu, Hao-Ting; Sai, Li-Man; Wang, Lian-Hu	2006	J. Phys. Chem. B, 2006, 110, 13370-13374
Carbon-coated core shell structured copper and nickel nanoparticles synthesized in an ionic liquid	Jacob, D. S.; Genish, I.; Klein, L.; Gedanken, A.	2006	J. Phys. Chem. B, 2006, 110, 17711-17714
Synthesis and Characterization of Platinum Catalysts on Multiwalled Carbon Nanotubes by Intermittent Microwave Irradiation for Fuel Cell Applications	Tian, Z.Q.; Jiang, S.P.; Liang, Y.M.; Shen, P.K.	2006	J. Phys. Chem. B, 2006, 110, 5343-5350
Microwave-Assisted One-Step Synthesis of Polyacrylamide-Metal (M = Ag, Pt, Cu) Nanocomposites in Ethylene Glycol	Zhu, J-F; Zhu, Y-J	2006	J. Phys. Chem. B, 2006, 110, 8593-8597
Microwave synthesis and characterization of acetate-stabilized Pt nanoparticles supported on carbon for methanol electro-oxidation	Weixiang Chen; Jie Zhao; Peng Wang; Run Liu; Xiang Li; Qiulin Nie	2006	J. Power Sources, 2006, 160, 563-569
One-step synthesis of nanocrystalline perovskite LaMnO ₃ powders via microwave-induced solution combustion route	Chen, Weifan; Li, Fengsheng; Liu, Leili; Liu, Yang	2006	J. Rare Earth, 2006, 24, 782-787
ZnO nanorods synthesized by self-catalytic method of metal in atmospheric microwave plasma torch flame	Yong Cheol Hong; Jong Hun Kim; Han Sup Uhm	2006	Jpn. J. Appl. Phys., Part 1, 2006, 45, 5940-5944
Microwave-assisted synthesis of MWO/sub4/ and MMoO/sub4/ (M = Ca, Ni) nano-powders using citrate complex precursor	Lim, Chang Sung; Ryu, Jeong Ho; Shim, Kwang Bo; Yoon, Jong-Won	2006	Key Eng. Mater., 2006, 317-318, 223-226
Influence of Microwave Radiation on the Growth of Gold Nanoparticles and Microporous Zincophosphates in a Reverse Micellar System	Doolittle, J.W.; Dutta, P.K.	2006	Langmuir, 2006, 22, 4825-4831
Microwave-assisted synthesis of nanocrystalline Bi ₂ Te ₃	Zhu, J-J; Zhou, B.; Zhao, Y.; Pu, L.	2006	Mater. Chem. Phys., 2006, 96, 192-196.

Synthesis of high purity nano-sized hydroxyapatite powder by microwave-hydrothermal method	Han, J. K.; Song, H. Y.; Saito, F.; Lee, B. T.	2006	Mater. Chem. Phys., 2006, 99, 235-239
Synthesis of highly luminescent and photostable ZnS:Ag nanocrystals under microwave irradiation	Wensheng Yang; Wenping Jian; Jiaqi Zhuang; Dawei Zhang; Jie Dai; Bai, Y.	2006	Mater. Chem. Phys., 2006, 99, 494-497
Synthesis of nanocrystalline M ₂ MoO ₄ (M = Ni, Zn) phosphors via a citrate complex route assisted by microwave irradiation and their photoluminescence	Ryu, Jeong Ho; Koo, Sang-Mo; Yoon, Jong-Won; Lim, Chang Sung; Shim, Kwang Bo	2006	Mater. Lett., 2006, 60, 1702-1705
Rapid synthesis of Bi ₂ S ₃ nanocrystals with different morphologies by microwave heating	Jiang, Ya; Zhu, Ying-Jie; Xu, Zi-Li	2006	Mater. Lett., 2006, 60, 2294-2298
Microwave-assisted synthesis of potassium titanate nanowires	Zhang, J.; Wang, Y-a; Yang, J.; Chen, J.; Zhang, Z.	2006	Mater. Lett., 2006, 60, 3015-3017
Synthesis of nanocrystalline anatase TiO ₂ by microwave hydrothermal method	A. Vadivel Murugan, Violet Samuel and V. Ravi	2006	Mater. Lett., 2006, 60, 479-480
Microwave-assisted synthesis of cupric oxide nanosheets and nanowhiskers	Ying-Jie Zhu; Wei-Wei Wang; Guo-Feng Cheng; Yue-Hong Huang	2006	Mater. Lett., 2006, 60, 609-12
Effects of chain length of polyvinylpyrrolidone for the synthesis of silver nanostructures by a microwave-polyol method	Tsuji, Masaharu; Nishizawa, Yuki; Matsumoto, Kisei; Kubokawa, Masatoshi; Miyamae, Nobuhiro; Tsuji, Takeshi	2006	Mater. Lett., 2006, 60, 834-838
Microwave plasma synthesis of Co and SiC-coated Co nanopowders	Chau, Joseph Lik Hang; Hsu, Ming-Kai; Kao, Chih-Chun	2006	Mater. Lett., 2006, 60, 947-951
Preparation of anatase nanocrystallines from low concentration precursor solution via a microwave assisted liquid phase deposition (MW-LPD) process	Liu-Xue Zhang, Peng Liu and Zhi-Xing Su	2006	Mater. Res. Bull., 2006, 41, 1631-1637
Rapid preparation of spinel Co ₃ O ₄ nanocrystals in aqueous phase by microwave irradiation	Liang Li and Jicun Ren	2006	Mater. Res. Bull., 2006, 41, 2286-2290
Synthesis and characterization of nanosized ceria powders by microwave-hydrothermal method	Corradi, A. Bonamartini; Bondioli, F.; Ferrari, A.M.; Manfredini, T.	2006	Mater. Res. Bull., 2006, 41, 38-44
Nanosize Mn ₃ O ₄ (Hausmannite) by microwave irradiation method	S.K. Apte, S.K.; Naik, S.D.; Sonawane, R.S.; Kale, B.B.; Pavaskar, N.; Mandale, A.B.; Das, B.K.	2006	Mater. Res. Bull., 2006, 41, 647-654.
Microwave synthesis of Fe-filled carbon nanotubes	Hinojosa, Moises; Kharissova, Oxana; Ortiz, Ubaldo	2006	Mater. Res. Soc. Symp. Proc., 2006, 992, 70-75
Synthesis of inorganic fullerene (M ₂ S, M = Zr, Hf and W) phases using H ₂ S and N ₂ /H ₂ microwave-induced plasmas	Brooks, D. J.; Douthwaite, R. E.; Brydson, R.; Calvert, C.; Measures, M. G.; Watson, A.	2006	Nanotechnology, 2006, 17, 1245-1250
Microwave irradiation method for the synthesis of water-soluble CdSe nanoparticles with narrow photoluminescent emission in aqueous solution	Chu, M.; Shen, X.; Liu, G.	2006	Nanotechnology, 2006, 17, 444-449
Synthesis of ultrananocrystalline diamond films by microwave plasma-assisted chemical vapor deposition	Asmussen, Jes; Grotjohn, Timothy A.; Huang, Wen-Shin; Reinhard, Donnie K.; Tran, Dzung T.	2006	New Diamond Front. Carbon Technol., 2006, 16, 281-294
Single-crystal nanorings of β -gallium oxide synthesized using a microwave plasma	Yang, Z.X.; Zhang, Y.F.; Zhou, W.M.; Zhu, F.	2006	Phys. Status Solidi A, 2006, 203, 2024-2028
Microwave irradiation synthesis and self-assembly of alkylamine-stabilized gold nanoparticles	Du, Y.; Hua, N.; Shen, M.; Yang, P.	2006	Powder Technol., 2006, 162, 64-72.
Synthesis of silica nanoparticles in a continuous-flow microwave reactor	Ferrari, A. M.; Corradi, A. B.; Bondioli, F.; Foher, B.; Leonelli, C.	2006	Powder Technol., 2006, 167, 45-48

Formation of soot particles in Ar/H ₂ /CH ₄ microwave discharges during nanocrystalline diamond deposition: A modeling approach	Hassouni, K.; Mohasseb, F.; Benedic, F.; Lombardi, G.; Gicquel, A.	2006	Pure Appl. Chem., 2006, 78, 1127-1146
Synthesis of Au, Au/Ag, Au/Pt and Au/Pd nanoparticles using the microwave-polyol method	Dave, D.P.; Kapoor, S.; Mukherjee, T.; Patel, K.	2006	Res. Chem. Intermed., 2006, 32, 103-113
Preparation of nano-sized YAG:Eu; 3; + particles by a microwave-assisted polyol process and their luminescence properties	Nakamura, T.; Yanagida, S.; Wada, Y.	2006	Res. Chem. Intermed., 2006, 32, 331-340
Synthesis of nanosized and microporous zinc aluminate spinel by microwave assisted hydrothermal method (microwave-hydrothermal synthesis of ZnAl ₂ O ₄)	Zawadzki, M.	2006	Solid State Sci., 2006, 8, 14-18.
Novel process to synthesize the well-size-controlled carbon nanotubes using Fe/TiO ₂ as catalyst by sol-gel method	Chang, C.Y.; Hung, C.H.; Lin, C.R.; Stobinski, L.; Su, C.H.	2006	Surf. Coat. Technol., 2006, 200, 3211-3214.
Aromatization of 1,4-dihydropyridines in the presence of toluenesulfonyl chloroide/ nano.2/ wet-sio.2 under microwave irradiation	Niknam, K.; Zolfigol, M. A.; Rabani, F.	2006	Synlett, 2006, 12, 183-186
Enhanced field emission characteristics of nitrogen-doped carbon nanotube films grown by microwave plasma enhanced chemical vapor deposition process	Kumar, Vikram; Sridhar Rao, D.V.; Srivastava, Sanjay K.; Vankar, V.D.	2006	Thin Solid Films, 2006, 515, 1851-1856
Synthesis of nano-structured onion-like fullerenes by MW plasma	Du, Ai-Bing; Fu, Dong-Ju; Han, Pei-De; Jia, Hu-Sheng; Liu, Xu-Guang; Xu, Bing-She	2006	Wuji Cailiao Xuebao, 2006, 21, 576-582
Rapid Preparation of Eu:YVO ₄ Films by Microwave Irradiation Assisted Chemical Bath Deposition	Xu, H.-Y.; Jia, L.; Xu, S.-L.; Li, X.-D.; Wang, H.; Yan, H.	2005	Acta Chim. Sinica, 2005, 63, 612-616.
Microwave-assisted synthesis of nanocrystalline MgO and its use as a bactericide	Abramovich, Y; Dror, R.; Gedanken, A.; Jelinek, R.; Makhluif, S.; Nitzan, Y.	2005	Adv. Funct. Mater., 2005, 15, 1708-1715.
Controlled formation and size-selected deposition of indium nanoparticles from a microwave flow reactor on semiconductor surfaces	Hitzbleck, K.; Roth, P.; Wiggers, H.	2005	Appl. Phys. Lett., 2005, 87, 1-3.
Microwave-induced rapid chemical functionalization of single-walled carbon nanotubes	Wang, Y; Iqbal, Z; Mitra, S	2005	Carbon, 2005, 43, 1015-1020.
Microwave polyol synthesis of Pt/CNTs catalysts: Effects of pH on particle size and electrocatalytic activity for methanol electrooxidization	Li, X.; Chen, W-X; Zhao, J; Xing, W; Xu, Z-D	2005	Carbon, 2005, 43, 2175-2185.
Purification of multi-walled carbon nanotubes through microwave heating of nitric acid in a closed vessel	Ko, Fu-Hsiang; Lee, Chung-Yang; Ko, Chu-Jung; Chu, Tieh-Chi	2005	Carbon, 2005, 43, 727-733
Microwave-assisted combustion synthesis of nanocrystalline MgAl ₂ O ₄ spinel powder	Ganesh, I.; Johnson, R.; Rao, G. V. N.; Mahajan, Y. R.; Madavendra, S. S.; Reddy, B. M.	2005	Ceram. Int., 2005, 31, 67-74.
Microwave-assisted synthesis of nanocrystalline MWO ₄ (M: Ca, Ni) via water-based citrate complex precursor	Lim, C.S.; Oh, W-C; Ryu, J.H.; Shim, K.B.; Yoon, J-W	2005	Ceram. Int., 2005, 31, 883-888.
Microwave-assisted synthesis and in-situ self-assembly of coaxial Ag/C nanocables	Yu, J.C.; Hu, X.; Li, Q.; Zhang, L.	2005	Chem. Commun., 2005, 2704-2706.
Rapid synthesis of highly luminescent CdTe nanocrystals in the aqueous phase by microwave irradiation with controllable temperature	Li, L.; Qian, H.; Ren, J.	2005	Chem. Commun., 2005, 4, 528-530

Nanocap-shaped tin phthalocyanines: Synthesis, characterization, and corrosion inhibition activity	Barba, V.; Beltran, H.I.; Dominguez-Aguilar, M.A.; Esquivel, R.; Farfan, N.; Hopfl, H.; Lozada-Cassou, M.; Luna-Garcia, R.; Sosa-Sanchez, A.; Sosa-Sanchez, J.L.; Zamudio-Rivera, L.S.	2005	Chem. Eur. J., 2005, 11, 2705-2715
Microwave-assisted synthesis of metallic nanostructures in solution	Hashimoto, M.; Kubokawa, M.; Nishizawa, Y.; Tsuji, M.; Tsuji, T.	2005	Chem. Eur. J., 2005, 11, 440-452.
Microwave-assisted Preparation of Titanate Nanotubes	Wang, Y.-a.; Yang, J.; Zhang, J.; Liu, H.; Zhang, Z.	2005	Chem. Lett., 2005, 34, 1168-1169.
Synthesis of template-free zeolite nanocrystals by reverse microemulsion-microwave method	Chen, Z.; Li, S.; Yan, Y.	2005	Chem. Mater., 2005, 17, 2262-2266
Facile synthesis of nanoporous nickel phosphates without organic templates under microwave irradiation	Chang, J-S; Cheetham, A. K.; Hwang, J-S; Jhung, S. H.; Yoon, J. W.	2005	Chem. Mater., 2005, 17, 4455-4460.
Microwave-Assisted Synthesis of Metallic Nanostructures in Solution	Tsuji, M.; Hashimoto, M.; Nishizawa, Y.; Kubokawa, M.; Tsuji, T.	2005	Chem. Weinheim Eur. J., 2005, 11, 440-452
Microwave Assisted Solid State Reaction Synthesis of CdS Nanoparticles	Cao, J.-M.; Fang, B.-Q.; Liu, J.-S.; Chang, S.-Q.; Zhang, F.	2005	Chin. J. Inorg. Chem., 2005, 21, 105-108
Microwave Synthesis and Characterization of Ag, Au, Pt Nanoparticles Supported on TiO ₂ Nanotubes	Bao, H.-H.; Xu, Z.-D.; Yin, H.-Y.; Zheng, Y.-F.; Chen, W.-X.	2005	Chinese J. Inorg. Chem., 2005, 21, 374-378.
Design and Synthesis of Chiral Aromatic Amide Molecular Tweezers under Microwave Irradiation	Wang, J.; Yang, Z.-X.; Zhang, Q.-H.; Chen, S.-H.	2005	Chinese J. Org. Chem., 2005, 25, 850-853.
Catalytic Properties of Polymer-Stabilized Colloidal Metal Nanoparticles Synthesized by Microwave Irradiation	Tu, W.-x.; He, B.-l.; Liu, H.-f.; Luo, X.-l.; Liang, X.	2005	Chinese J. Polym. Sci., 2005, 23, 211-218.
Synthesis and characterization of metal-filled carbon nanotubes by microwave plasma chemical vapor deposition	Hayashi, Y.; Kaneko, K.; Moon, W.-J.; Toh, S.; Tokunaga, T.	2005	Diamond Relat. Mat., 2005, 14, 790-793.
Nanofabrication and properties of the highly oriented carbon nanocones	Kuo, C.T.; Lin, Y.T.; Wang, W.H.	2005	Diamond Relat. Mat., 2005, 14, 907-912.
Blue-luminescence of nanocrystalline MWO ₄ (M = Ca, Sr, Ba, Pb) phosphors synthesized via a citrate complex route assisted by microwave irradiation	Ryu, J.H.; Shim, K.B.; Yoon, J-W	2005	Electrochem. Solid-State Lett., 2005, 8, D15-D18
Electrochemical properties of microwave irradiated synthesis of poly(3,4-ethylenedioxythiophene)/V ₂ O ₅ nanocomposites as cathode materials for rechargeable lithium batteries	Murugan, A. V.	2005	Electrochim Acta, 2005, 50, 4627-4636.
Microwave-assisted synthesis and luminescent properties of pure and doped ZnS nanoparticles	Huang, C.; Su, X.; Tang, A.; Yang, H.	2005	J. Alloys Compd., 2005, 402, 274-277.
Conventional and microwave-hydrothermal synthesis of TiO ₂ nanopowders	Bondioli, F.; Corradi, A. B.; Ferrari, A. M.; Focher, B.; Grippo, C.; Mariani, E.; Villa, C.	2005	J. Am. Ceram. Soc., 2005, 88, 2639-2641.
Microwave-hydrothermal synthesis and hyperfine characterization of praseodymium-doped nanometric zirconia powders	Bondioli, F.; Leonelli, C.; Manfredini, T.; Ferrari, A. M.; Caracoche, M. C.; Rivas, P. C.; Rodriguez, A. M.	2005	J. Am. Ceram. Soc., 2005, 88, 633-638
Microwave-Enhanced Reaction Rates for Nanoparticle Synthesis	Gerbec, J.A.; Magana, D.; Washington, A.; Strouse, G.F.	2005	J. Am. Chem. Soc., 2005, 127, 15791-1580.
Fabrication of Flexible Carbon Nanotube Field Emitter Arrays by Direct Microwave Irradiation on Organic Polymer Substrate	Yoon, B-J; Hong, EH; Jee, SE; Yoon, D-M; Shim, D-S; Son, G-Y; Lee, YJ; Lee, K-H; Kim, HS; Park, CG	2005	J. Am. Chem. Soc., 2005, 127, 8234-2835.

Synthesis of Pt, Pd, Pt/Ag and Pd/Ag nanoparticles by microwave-polyol method	Patel, K.; Kapoor, S.; Dave, D. P.; Mukherjee, T.	2005	J. Chem. Sci., 2005, 117, 311-316.
Synthesis of nanosized silver colloids by microwave dielectric heating	Patel, K.; Kapoor, S.; Dave, D. P.; Mukherjee, T.	2005	J. Chem. Sci., 2005, 117, 53-60
Microwave-hydrothermal synthesis of ZrO ₂ /8%Y ₂ O ₃ nano-powders	Sun Yongxin; Zhao Qin; Liu Li; Chang Aimin; Wen Bin; Yang Zhongbo; Chen Zhihui	2005	J. Chin. Ceram. Soc., 2005, 33, 1255-8
Controlling the agglomeration of anisotropic Ru nanoparticles by the microwave-polyol process	Gedanken, A.; Harpeness, R.; Kolytyn, Y.; Liu, X.; Peng, Z.; Pol, V.G.	2005	J. Colloid Interface Sci., 2005, 287, 678-684.
Synthesis of capped nanosized Mn _{1-x} Zn _x Fe ₂ O ₄ (0 <or= x <or=0.8) by microwave refluxing for bio-medical applications	Giri, J.; Sriharsha, T.; Asthana, S.; Rao, T. K. G.; Nigam, A. K.; Bahadur, D.	2005	J. Magn. Mater., 2005, 293, 55-61.
Microwave assisted synthesis of CdSe nanocrystals for straightforward integration into composite photovoltaic devices	Firth, A. V.; Tao, Y.; Wang, D.; Ding, J.; Bensebaa, F.	2005	J. Mater. Chem., 2005, 15, 4367-4372.
Synthesis of monodispersed fcc and fct FePt/FePd nanoparticles by microwave irradiation	Loc Nguyen, H.; Howard, E. M.; Giblin, S. R.; Tanner, B. K.; Terry, I.; Hughes, A. K.; Ross, I. M.; Serres, A.; Burckstummer, H.; Evans, S. O.	2005	J. Mater. Chem., 2005, 15, 5136-5143.
The microwave-assisted polyol synthesis of nanosized hard magnetic material, FePt	Harpeness, R.; Gedanken, A.	2005	J. Mater. Chem., 2005, 15, 698-702
Microwave-assisted synthesis of nanocrystalline BaMoO ₄ by a polymerized complex method and its photoluminescent property	Choi, B. G.; Kim, S. H.; Lim, C.S.; Ryu, J.H.; Shim, K.B.; Yoon, J-W	2005	J. Mater. Sci., 2005, 40, 4979-4982.
Microwave-assisted solid-state synthesis of hydroxyapatite nanorods at room temperature	Jie Ming Cao; Jie Feng; Shao Gao Deng; Xin Chang; Jun Wang; Jin Song Liu; Peng Lu; Hong Xia Lu; Ming Bo Zheng; Fang Zhang; Jie Tao	2005	J. Mater. Sci., 2005, 40, 6311-13
Parallel Solution-Phase and Microwave-Assisted Synthesis of New S-DABO Derivatives Endowed with Subnanomolar Anti-HIV-1 Activity	Manetti, F.; Este, J. A.; Clotet-Codina, I.; Armand-Ugon, M.; Maga, G.; Crespan, E.; Cancio, R.; Mugnaini, C.; Bernardini, C.; Togninelli, A.	2005	J. Med. Chem., 2005, 48, 8000-8008
Microwave-assisted synthesis of platinum nanoparticles	Lee, Jim Yang; Ling, Xing Yi; Liu, Zhaolin	2005	J. Metastab. Nanocryst. Mater., 2005, 23, 199-202.
Application of carbon nanomaterial as a microwave absorber	Pradhan, Debabrata; Puri, Vijaya; Sharon, Maheshwar; Zacharia, Renju	2005	J. Nanosci. Nanotechnol., 2005, 5, 2117-2120
Synthesis of solvent-stabilized colloidal nanoparticles of platinum, rhodium, and ruthenium by microwave-polyol process	Chen, Yixian; He, Baolin; Liu, Hanfan; Liu, Yuan	2005	J. Nanosci. Nanotechnol., 2005, 5, 266-270
Synthesis of single-crystal gold nanosheets of large size in ionic liquids	Li, Z.; Liu, Z.; Zhang, J.; Han, B.; Du, J.; Gao, Y; Jian, T	2005	J. Phys. Chem. B, 2005, 109, 14445-14448.
Microwave synthesis of supported Au and Pd nanoparticle catalysts for CO oxidation	El-Shall, M. S.; Fuoco, L.; Glaspell, G.	2005	J. Phys. Chem. B, 2005, 109, 17350-17355.
Microwave-assisted synthesis of SnO ₂ -graphite nanocomposites for Li-ion battery applications	Lee, J.Y.; Wang, Y.	2005	J. Power Sources, 2005, 144, 220-225.
Synthesis of nanometer cobalt oxide (Co ₃ O ₄) powders by solid-state reaction under microwave irradiation	Li, Xiuyan; Liu, Pinan; Zeng, Lingke	2005	Key Eng. Mater., 2005, 280-283, 655-656

Synthesis of ZnO sub-nanoparticles with different morphologies by hydrolysis in water bath/in microwave field	Li, Y.; Shen, G.; Xu, Z.	2005	Kuei Suan Jen Hsueh Pao, 2005, 33, 1142.
Luminescent and photocatalytic properties of cadmium sulfide nanoparticles synthesized via microwave irradiation	Yang, H.; Huang, C.; Li, X.; Shi, R.; Zhang, K.	2005	Mater. Chem. Phys., 2005, 90, 155-158.
Preparation of PbO nanoparticles by microwave irradiation and their application to Pb(II)-selective electrode based on cellulose acetate	Li, S.; Yang, W.; Chen, M.; Gao, J.; Kang, J.; Qi, Y.	2005	Mater. Chem. Phys., 2005, 90, 262-269
Microwave heated polyol synthesis of carbon nanotubes supported Pt nanoparticles for methanol electrooxidation	Chen, W.; Zhao, J.; Lee, J.Y.; Liu, Z.	2005	Mater. Chem. Phys., 2005, 91, 124-129.
Thermal stabilities of polystyrene/silica hybrid nanocomposites via microwave-assisted in situ polymerization	Liu, P.; Su, Z.	2005	Mater. Chem. Phys., 2005, 94, 412-416.
Microwave-assisted synthesis of nanocrystalline Bi ₂ Te ₃	Pu, L.; Zhao, Y.; Zhou, B.; Zhu, J-J	2005	Mater. Chem. Phys., 2005, 96, 192-196.
Synthesis and characterization of multipod, flower-like, and shuttle-like ZnO frameworks in ionic liquids	Wang, J.; Cao, J.; Fang, B.; Lu, P.; Deng, S.; Wang, H.	2005	Mater. Lett., 2005, 59, 1405-1408.
Rapid synthesis of gold nanostructures by a microwave-polyol method with the assistance of C _n TAB (n = 10, 12, 14, 16) or C ₁₆ PC	Tsuji, M.; Matsumoto, K.; Tsuji, T.; Kawazumi, H.	2005	Mater. Lett., 2005, 59, 3856-3860.
Size-controlled synthesis of dendrimer-protected gold nanoparticles by microwave radiation	Sun, X.; Luo, Y.	2005	Mater. Lett., 2005, 59, 4048-4050.
Gold seed-assisted synthesis of silver nanomaterials under microwave heating	Liu, F.-K.; Huang, P.-W.; Chu, T.-C.; Ko, F.-H.	2005	Mater. Lett., 2005, 59, 940-944
Synthesis of nano-sized alkaline-earth hydroxyapatites through microwave assisted metathesis route	Parhi, P.; Ramanan, A.; Ray, A. R.	2005	Mater. Lett., 2005, 60, 218-221
Microwave-assisted synthesis of ceria nanoparticles	Huaming Yang, Chenghuan Huang, Aidong Tang, Xiangchao Zhang and Wuguo Yang	2005	Mater. Res. Bull., 2005, 40, 1690-1695
Microwave-assisted synthesis of cobalt oxalate nanorods and their thermal conversion to Co ₃ O ₄ rods	Wang, W-W; Zhu, Y-J	2005	Mater. Res. Bull., 2005, 40, 1929-1935.
In situ SAXS/WAXS of zeolite microwave hydrothermal synthesis MONOGRAPH TITLE- Nanoparticles and Nanostructures in Sensors and Catalysis	Curt Conner, W.; Jones, Keith W.; Panzarella, Bernard; Tompsett, Geoffrey A.	2005	Mater. Res. Soc. Symp. Proc., 2005, 900, 415-420
Carbon nanotube synthesis, characteristics, and microbattery applications	Zhijing Zhang; Dewan, C.; Kothari, S.; Mitra, S.; Teeters, D.	2005	Mater. Sci. Eng., B, 2005, 116, 363-368.
Microwave synthesis of CdSe nanoparticles	Liao Xue-hong; Li Shu-zhao	2005	Micronanoelectron. Technol., 2005, 42, 529-531
Rapid fabrication of luminescent Eu:YVO ₄ films by microwave-assisted chemical solution deposition	Xu, H.; Wang, H.; Jin, T.; Yan, H.	2005	Nanotechnology, 2005, 16, 65-69
Self-assembly of hydroxyapatite nanostructures by microwave irradiation	Liu, J.; Li, K.; Wang, H.; Zhu, M.; Xu, H.; Yan, H.	2005	Nanotechnology, 2005, 16, 82-87
Microwave devices: Carbon nanotubes as cold cathodes	Teo, K. B. K.; Minoux, E.; Hudanski, L.; Peauger, F.; Schnell, J.-P.; Gangloff, L.; Legagneux, P.; Dieumegard, D.; Amaratunga, G. A. J.; Milne, W. I.	2005	Nature, 2005, 968.

Microwave approach for the synthesis of rhabdophane-type lanthanide orthophosphate (Ln = La, Ce, Nd, Sm, Eu, Gd and Tb) nanorods under solvothermal conditions	Patra, C. R.; Alexandra, G.; Patra, S.; Jacob, D. S.; Gedanken, A.; Landau, A.; Gofer, Y.	2005	New J. Chem., 2005, 29, 733-739.
Mixed mode electrical transport behavior in nanocrystalline La-Ca-manganite synthesized by microwave refluxing	Nayak, B. B.; Satish Vitta; Bahadur, D.	2005	Phys. Status Solidi A, 2005, 202, 2790-2799.
Microwave hydrothermal synthesis of nanosize Ta ₂ O ₅ added Mg-Cu-Zn ferrites	Krishnaveni, T.; Murthy, S.R.	2005	Proc. SPIE Int. Soc. Opt. Eng., 2005, 5650, 285-292
Luminescence effect of silver nanoparticle in water phase	Zhiliang Jiang; Weien Yuan; Hongcheng Pan	2005	Spectrochim. Acta A, Mol. Biomol. Spectrosc. (Netherlands), 2005, 61, 2488-2494.
Synthesis and Characterization of Nanoscale Aluminosilicate Mesoporous Materials by Microwave Irradiation	Cheng, C.-F.; Cheng, H.-H.; Wu, L.-L.; Cheng, B.-W.	2005	Stud. Surf. Sci. Catal., 2006, 156, 113-118
Preparation of SnO ₂ Nanocrystals by Microwave Irradiation and Their Catalytic Activity	Li, S.; Ni, G.; Bo, L.; Chen, M.; Yang, W.; Gao, J.; Li, X.; Guo, X.; Xue, Q.	2005	Synth. React. Inorg. Met.-Org. Chem., 2005, 35, 669-676
Synthesis and sinterability of YAG nanopowders by microwave homogeneous precipitation	Gao, X-R; Li, Y.; Tao, W-H; Wang, J-Q; Zheng, S-H	2005	Wuji Cailiao Xuebao, 2005, 20, 1037-1042.
Synthesis and electromagnetic properties of Ni _{0.8} Zn _{0.2} Fe ₂ O ₄ nanocrystalline	Li, S-M; Liu, J-H; Sun, J.	2005	Wuji Cailiao Xuebao, 2005, 20, 1077-1082.
Microwave synthesis and characterization of size-controlled platinum nanoparticles supported on carbon supports	Chen, W-X; Li, X.; Xu, Z-D; Zhao, J.; Sheng, Y-F	2005	Wuji Cailiao Xuebao, 2005, 20, 794-800.
Rapid Synthesis of XC-72 and Carbon Nanotubes Supported PtRu Nanoparticles by Microwave Irradiation for Methanol Electrooxidation Application	Chen, W.-X.; Zhao, J.; Lee, J.-Y.; Liu, Z.-L.	2004	Acta Chim. Sinica, 2004, 62, 1590-1594.
Carbon supported Pt nanoparticles prepared by microwave heating and their electrocatalytic activities for methanol oxidation	Chen, WX; Lee, JY; Liu, ZL	2004	Acta Chim. Sinica, 2004, 62, 42-46
Microwave-assisted synthesis of single-crystalline tellurium nanorods and nanowires in ionic liquids	Zhu, YJ; Wang, WW; Qi, RJ; Hu, XL	2004	Angew. Chem. Intl. Ed., Eng., 2004, 43, 1410-14
Microwave-Assisted Synthesis of Single-Crystalline Tellurium Nanorods and Nanowires in Ionic Liquids	Zhu, Y.-J.; Wang, W.-W.; Qi, R.-J.; Hu, X.-L.	2004	Angew. Chem., 2004, 116, 1436-1438.
High growth rate of vertically aligned carbon nanotubes using a plasma shield in microwave plasma-enhanced chemical vapor deposition	Kinoshita, H.; Kume, I.; Ohmae, N.; Sakai, H.; Tagawa, M.	2004	Carbon, 2004, 42, 2735-2756.
Microwave-assisted sidewall functionalization of single-wall carbon nanotubes by Diels-Alder cycloaddition	Delgado, J. L.; de la Cruz, P.; Langa, F.; Urbina, A.; Casado, J.; Navarrete, J. T. L.	2004	Chem. Commun., 2004, 1734-1735.
Low-temperature synthetic method for size-controlled CdSe nanocrystals: utilization of boron selenide	Iancu, N.; Sharma, R.; Seo, D-K	2004	Chem. Commun., 2004, 2298-2299.
Synthesis and catalytic activity of a poly(N,N-dialkylcarbodiimide)/palladium nanoparticle composite: a case in the Suzuki coupling reaction using microwave and conventional heating	Liu, Y; Khemtong, C; Hu, J	2004	Chem. Commun., 2004, 398-99
Improved Rapid Preparation of Polyelectrolyte-protected Gold Nanoparticles through a Microwave-based Thermal Process	Liao, F.	2004	Chem. Lett., 2004, 33, 1020-1021

Preparation of Silver Nanorods by Rapid Microwave Heating	Liu, F.-K.; Chang, Y.-C.; Huang, P.-W.; Ko, F.-H.; Chu, T.-C.	2004	Chem. Lett., 2004, 33, 1050-1051
Microwave-assisted Synthesis of Single-crystalline CuO Nanoleaves	Liang, Z.-H.; Zhu, Y.-J.	2004	Chem. Lett., 2004, 33, 1314-1315
Microwave-assisted Synthesis of Flower-like ZnO Nanosheet Aggregates in a Room-temperature Ionic Liquid	Cao, J.; Wang, J.; Fang, B.; Chang, X.; Zheng, M.; Wang, H.	2004	Chem. Lett., 2004, 33, 1332-1333
Microwave-assisted Synthesis of Nanocrystalline Metal Sulfides Using an Ionic Liquid	Jiang, Y.; Zhu, Y.-J.	2004	Chem. Lett., 2004, 33, 1390-1391
Microwave-assisted preparation of silver nanoparticles	Yamamoto, T; Wada, Y; Sakata, T; Mori, H; Goto, M; Hibino, S; Yanagida, S	2004	Chem. Lett., 2004, 33, 158-59
Syntheses of Silver Nanofilms, Nanorods, and Nanowires by a Microwave-polyol Method in the Presence of Pt Seeds and Polyvinylpyrrolidone	Tsuji, M.; Nishizawa, Y.; Hashimoto, M.; Tsuji, T.	2004	Chem. Lett., 2004, 33, 370-371.
Microwave Polyol Synthesis and Characterizations of Carbon-supported Pt and Ru Nanoparticles	Chen, W.; Zhao, J.; Lee, J. Y.; Liu, Z.	2004	Chem. Lett., 2004, 33, 472-473.
Microwave Polyol Synthesis and Characterizations of Carbon-supported Pt and Ru Nanoparticles	Chen, W.; Zhao, J.; Lee, J. Y.; Liu, Z.	2004	Chem. Lett., 2004, 33, 474-475.
Microwave-Assisted Solvothermal Synthesis of Radial ZnS Nanoribbons	Liu, X.; Tian, B.; Yu, C.; Tu, B.; Zhao, D.	2004	Chem. Lett., 2004, 33, 522-523.
Tellurium Nanorods and Nanowires Prepared by the Microwave-Polyol Method	Zhu, Y.-J.; Hu, X.-L.	2004	Chem. Lett., 2004, 33, 760-761.
Template-free synthesis of the nanoporous nickel phosphate VSB-5 under microwave irradiation	Jhung, SH; Chang, JS; Park, SE; Forster, PM; Ferey, G; Cheetham, AK	2004	Chem. Mater., 2004, 16, 1394-96
Large-area synthesis of carbon nanofibers by low-power microwave plasma-assisted CVD	Fujisaki, T.; Kawarada, H.; Ohdomari, I.; Tachiki, M.; Umezawa, H.; Zhong, G.	2004	Chem. Vap. Deposition, 2004, 10, 125-128.
Application of Microwave Technique in the Preparation of Catalyst	Xia, Y.; Shengping, W.; Xinbin, M.	2004	Chemistry (Peking), 2004, 67, 641-647.
Preparation of PO ₄ ·3H ₂ O; P ₂ O ₇ ·4H ₂ O - anion-pillared nanocrystalline Mg-Al and Zn-Al layered double hydroxides in microwave fields	Zhang, Z. J.; Mei, X. J.; Fen, L. R.; Lu, S. J.; Qiu, F. L.	2004	Chin. Chem. Lett., 2004, 15, 867-870.
Nanonets In ₂ O ₃ (middle dot)SnO ₂ : Preparation by Microwave Method and Photocatalytic Performance	Liu, X.-Z.; Si, W.; Ding, C.; Zang, S.-L.	2004	Chin. J. Inorg. Chem., 2004, 20, 1445-1448.
Preparation of Nanosized Sb ₂ O ₃ Flame Retardant by Liquid Phase Homogeneous Precipitation Method with Microwave Heating	Zhu, G.-J.; Zhang, L.; Luo, J.; Feng, X.-M.; Yang, X.-J.; Wang, X.; Lu, L.-D.	2004	Chin. J. Inorg. Chem., 2004, 20, 1497-1501.
Synthesis of MPt/C (M=La, Nd) Catalysts by Microwave Radiation	Zhang, Y.; Li, Z.; Yang, S.; Cao, Z.	2004	Chinese J. React. Polym., 2004, 13, 35-42.
Preparation and characterization of Cu ₂ SnSe ₄ nanoparticles using a microwave-assisted polyol method	Grisaru, H; Pol, VG; Gedanken, A; Nowik, I	2004	Eur. J. Inorg. Chem., 2004, 1859-64
Facile synthesis of highly conductive polyaniline/graphite nanocomposites	Du, X.S.; Meng, Y.Z.; Xiao, M.	2004	Eur. Polym. J., 2004, 40, 1489-1493.
Microwave-Induced Polyol-Process Synthesis of Copper and Copper Oxide Nanocrystals with Controllable Morphology	Zhao, Y.; Zhu, J.-J.; Hong, J.-M.; Bian, N.; Chen, H.-Y.	2004	Europ. J. Inorg. Chem., 2004, 4072-4080.
Epoxy/organoclay nanocomposites synthesized with thermal and microwave methods	Boyapati, K.; Hawley, M.C.; Kempel, L.C.; Lee, A.; Wood, A.; Zhou, S.	2004	Global Plast. Environ. Conf., 2004, 89-99

Studies on biological evaluation of cyanopyrans and pyrazolines using microwave assisted synthesis	Kanjariya, H. M.; Radhakrishnan, T. V.; Ramchandran, K. R.; Parekh, H.	2004	Ind. J. Chem. Sect. B, 2004, 43, 1569-1573.
Rapid synthesis of nanocrystalline CeVO ₄ by microwave irradiation	Wang, H; Meng, YQ; Yan, H	2004	Inorg. Chem. Commun., 2004, 7, 553-55
Branched carbon nanofiber network synthesis at room temperature using radio frequency supported microwave plasmas	Boskovic, B.O.; Forrest, R.D.; Haq, S.; Silva, S.R.P.; Stolojan, V.; Zeze, D.A.	2004	J. Appl. Phys., 2004, 96, 3443-3446
Rapid synthesis of monodispersed alpha-Fe ₂ O ₃ nanoparticles from Fe(NO ₃) ₃ solution by microwave irradiation	Kaneko, K.; Katsuki, H.; Komarneni, S.; Moon, W.J.; Shiraiishi, A.; Toh, S.	2004	J. Ceram. Soc. Jpn., 2004, 112, 384-387.
Synthesis and catalytic activity of a poly(N,N-dialkylcarbodiimide)/palladium nanoparticle composite: a case in the Suzuki coupling reaction using microwave and conventional heating	Liu, Y; Khemtong, C; Hu, J	2004	J. Chem. Soc., Chem. Commun., 2004, 398-99
Microwave synthesis and characterization of Co-ferrite nanoparticles	Bensebaa, F.; Cochrane, R.W.; L'Ecuyer, P.; Veres, T.; Zavaliche, F.	2004	J. Colloid Interface Sci., 2004, 277, 104-110.
Microwave-assisted polyol synthesis of nanoscale SnS _x (x = 1, 2) flakes	Chen, D; Lei, S; Qian, Y Shen, G; Tang, K; Zheng, H	2004	J. Cryst. Growth, 2004, 260, 469-74
Rapid synthesis of copper nanoparticles by sodium hypophosphite reduction in ethylene glycol under microwave irradiation	Yin, Y-S; Zhang, C-Y; Zhu, H-T	2004	J. Cryst. Growth, 2004, 270, 722-728.
Microwave-assisted synthesis of one-dimensional nanostructures	Gao, F.; Komarneni, S.; Lu, Q.	2004	J. Mater Res, 2004, 19, 1649-1655.
Microwave-assisted synthesis of calcium phosphate nanowhiskers	Bhaduri, S. B.; Jalota, S.; Tas, A. C.	2004	J. Mater Res, 2004, 19, 1876-1880.
Tunable platinum-ruthenium nanoparticle properties using microwave synthesis	Bensebaa, F; L'Ecuyer, P.; Le Page, Y.; Patrio, N.; Wang, D.	2004	J. Mater. Chem., 2004, 14, 3378-3384
Optimization of parameters for the synthesis of nano-sized Co _{1-x} Zn _x Fe ₂ O ₄ , (0 <or= x <or= 0.8) by microwave refluxing	Giri, J; Sriharsha, T; Bahadur, D	2004	J. Mater. Chem., 2004, 14, 875-80
Microwave-induced combustion synthesis of nanocrystalline TiO ₂ -SiO ₂ binary oxide material	Ganesh, I; Johnson, R; Khan, A; Madhavendra, SS; Mahajan, YR; Reddy, BM	2004	J. Mater. Res., 2004, 19, 1015-23
Microwave-assisted synthesis of one-dimensional nanostructures	Gao, F.; Komarneni, S.; Lu, Q.	2004	J. Mater. Res., 2004, 19, 1649-1655
Microwave-assisted synthesis of calcium phosphate nanowhiskers	Bhaduri, S.B.; Jalota, S.; Tas, A. C.	2004	J. Mater. Res., 2004, 19, 1876-1880
Microwave-assisted synthesis of silver nanorods	Chang, Y-C; Chu, T-C; Huang, P-W; Ko, F-H; Liu, F-K	2004	J. Mater. Res., 2004, 19, 469-473
Microwave hydrothermal synthesis PZT of nanometer crystal	Deng, H.; Li, Y.; Li, Y.; Liu, H	2004	J. Mater. Sci. Technol., 2004, 20, 637-638
Microwave accelerated synthesis of nanosized calcium deficient hydroxyapatite	Siddharthan, A.; Seshadri, S. K.; Sampath Kumar, T. S.	2004	J. Mater. Sci., Mater. Med., 2004, 15, 1279-1284.
Characterization of novel Mn ₃ O ₄ catalysts synthesized through a microwave irradiation assisted-route	Bosch, P.; Cordova, I.; Fetter, G.; Flores, S.O.; Valenzuela, M.A.; Vazquez, A.; Zapata, B.	2004	J. Metastab. Nanocryst. Mater., 2004, 20-21, 163-168.
Microwave-assisted combustion synthesis of LaCrO ₃ nanopowders	Kiminami, R.H.G.A.; Morelli, M.R.	2004	J. Metastab. Nanocryst. Mater., 2004, 22, 91-96.
Synthesis of size controlled Ag nanoparticles	He, B.; Liew, K.Y.; Liu, H.; Tan, J.J.	2004	J. Mol. Catal. A Chem., 2004, 221, 121-126.
Microwave-assisted synthesis of submicrometer GaO(OH) and Ga ₂ O ₃ rods	Patra, C. R.; Mastai, Y.; Gedanken, A.	2004	J. Nanopart. Res., 2004, 6n05, 509-18
Microwave-polyol process for metal nanophases	Komarneni, S.; Katsuki, H.; Dongsheng Li; Bhalla, A. S.	2004	J. Phys., Condens. Matter. (UK), 2004, 16, S1305-1312.

Microwave assisted synthesis of manganese mixed oxide nanostructures using plastic templates	Leyva, A.G.; Stoliar, P.; Rosenbusch, M.; Lorenzo, V.; Levy, P.; Albonetti, C.; Cavallini, M.; Biscarini, F.; Troiani, H.E.; Curiale, J.; Sanchez, R.D.	2004	J. Solid State Chem., 2004, 177, 3949-3953.
Microwave-assisted synthesis of rutile titania nanoparticles from TiOCl ₂ aqueous solution	Wang Xin; Han Mei-juan; Wei Yu; Wang Yan-Ji	2004	J. Synth. Cryst. (China), 2004, 33, 634-637.
In vitro evaluation of zirconia nanopowders	Braccini, S; Leonelli, C; Lusvardi, G; Malavasi, G; Menabue, L	2004	Key Eng. Mater., 2004, 254-256, 899-902
Microwave synthesis of core-shell gold/palladium bimetallic nanoparticles	Harpeness, R; Gedanken, A	2004	Langmuir, 2004, 20, 3431-34
Polycarbonate/Montmorillonite Nanocomposites Prepared by Microwave-Aided Solid State Polymerization	Yoo, Y.; Choi, K.-Y.; Lee, J. H.	2004	Macromol. Chem. Physics, 2004, 205, 1863-1868.
Large-scale and size-controlled synthesis of silver nanoparticles under microwave irradiation	Wada, Y; Yamamoto, T; Yanagida, S; Yin, H	2004	Mater. Chem. Phys., 2004, 83, 66-70
Synthesis of lead sulfide nanocrystals via microwave and sonochemical methods	Hong, J.-M.; Liao, X-H; Zhao, Y.; Zhu, J-J	2004	Mater. Chem. Phys., 2004, 87, 149-153.
Microwave-assisted synthesis and characterisation of divalent metal tungstate nanocrystalline minerals: Ferberite, hubnerite, sanmartinite, scheelite and stolzite	Duong, L V.; Frost, R L.; Kloprogge, J. T; Weier, M L.	2004	Mater. Chem. Phys., 2004, 88 438-443.
Sonochemical and microwave-assisted synthesis of linked single-crystalline ZnO rods	Hu, X. L.; Zhu, Y. J.; Wang, S. W.	2004	Mater. Chem. Phys., 2004, 88, 421-426.
Microwave-assisted synthesis and characterisation of divalent metal tungstate nanocrystalline minerals: ferberite, hubnerite, sanmartinite, scheelite and stolzite	Kloprogge, J. T.; Weier, M. L.; Duong, L. V.; Frost, R. L.	2004	Mater. Chem. Phys., 2004, 88, 438-443
Synthesis of nanosized MgFe ₂ O ₄ powders by microwave hydrothermal method	Verma, S; Joy, PA; Kollam, YB; Potdar, HS; Deshpande, SB	2004	Mater. Lett., 2004, 58, 1092-95
Preparation of powders of selenium nanorods and nanowires by microwave-polyol method	Zhu, YJ; Hu, XL	2004	Mater. Lett., 2004, 58, 1234-36
Microwave-assisted polythiol reduction method: a new solid-liquid route to fast preparation of silver nanowires	Zhu, YJ; Hu, XL	2004	Mater. Lett., 2004, 58, 1517-19
Microwave-assisted synthesis of fibre-like Mg(OH) ₂ nanoparticles in aqueous solution at room temperature	Wu, H; Shao, M; Gu, J; Wei, X	2004	Mater. Lett., 2004, 58, 2166-69
Synthesis of gold nanorods and nanowires by a microwave-polyol method	Hashimoto, M.; Nishizawa, Y.; Tsuji, M. Tsuji, T.	2004	Mater. Lett., 2004, 58, 2326-2330.
Microwave-assisted template synthesis of an array of CdS nanotubes	Hong, J.; Ma, X.; Ni, Y.; Xu, Z.	2004	Mater. Lett., 2004, 58, 2754-2756.
Synthesis of gamma-Fe ₂ O ₃ polypyrrole nanocomposite materials	Brunetti, Philip; Fang, Jiye; Lu, Weigang; Spinu, Leonard; Sunderland, Kiko; Wang, Zhenjun	2004	Mater. Lett., 2004, 58, 3136-3140
Effects of reaction conditions in microwave synthesis of nanocrystalline barium titanate	Jhung, S. H.; Lee, J-H; Yoon, J. W.; Hwang, Y. K.; Hwang, J-S; Park, S-E; Chang, J-S	2004	Mater. Lett., 2004, 58, 3161-3165.
Preparation of Pt and PtRu nanoparticles supported on carbon nanotubes by microwave-assisted heating polyol process	Chen, W-X; Lee, J. Y.; Liu, Z.	2004	Mater. Lett., 2004, 58, 3166-3169.
Microwave rapid heating for the synthesis of gold nanorods	Liu, FK; Chang, YC; Ko, FH; Chu, TC	2004	Mater. Lett., 2004, 58, 373-77

Microwave radiation effect on the synthesis of cadmium sulphide nanoparticles in water in oil microemulsion: a preliminary study at different frequencies	Caponetti, E; Massa, R; Pedone, L	2004	Mater. Res. Innov., 2004, 8, 44-47
Synthesis and study of nanostructures via microwave heating	Kharissova, O. V.; Zavala, E.; Ortiz, U.; Hernandez-Pinero, J. L.; Soloviev, S.	2004	Mater. Res. Soc. Symp. Proc., 2004, 821, 23-8
Sol-solvothermal synthesis and microwave evolution of La(OH) ₃ nanorods to La ₂ O ₃ nanorods	Chen, Z.; Dong, Y.; Ge, J.; Niu, J.; Shi, Z.; Tang, B.; Wu, C.; Zhuo, L.	2004	Nanotechnology, 2004, 15, 1273-1276.
Rapid synthesis of nanoparticles of hexagonal type In ₂ O ₃ and spherical type TiO ₂ by microwave irradiation	Patra, C. R.; Gedanken, A.	2004	New J. Chem., 2004, 1060-1065.
Synthesis and properties of poly(4,4'-oxybis(benzene)disulfide)/ graphite nanocomposites via in situ ring-opening polymerization of macrocyclic oligomers	Du, X.S.; Hay, A.S.; Meng, Y.Z.; Xiao, M.	2004	Polymer, 2004, 45, 6713-6718
Facile synthesis of exfoliated and highly conductive poly(arylene disulfide)/graphite nanocomposites	Du, X.S.; Hay, A.S.; Meng, Y.Z.; Xiao, M.	2004	Polym. Adv. Technol., 2004, 15, 320-323.
Synthesis and characterization of novel optically active poly(amide-imide)s containing N,N'-(pyromellitoyl)-bis-L-valine diacid chloride and 5,5-disubstituted hydantoin derivatives under microwave irradiation	Faghihi, K.; Zamani, K.; Mirsamie, A.; Mallakpour, S.	2004	Polym. Intl., 2004, 53, 1226-1234.
Vertically aligned carbon nanotubes fabricated by microwaves	Kharissova, O.V.	2004	Rev. Adv. Mater. Sci., 2004, 7, 50-54
Study on fire-retardant nanocrystalline Mg-Al layered double hydroxides synthesized by microwave-crystallization method	Zhang, Z.; Xu, C.; Qiu, F.	2004	Sci. China Ser. B Chem., 2004, 47, 488-498
Synthesis and purification of single-walled carbon nanotubes in the cottonlike soot \	Feng, L.; Gu, Z.; Guan, L.; Li, H.; Shi, Z.	2004	Solid State Commun., 2004, 130, 219-224
Rapid synthesis of size-controllable YVO ₄ nanoparticles by microwave irradiation	Meng, YQ; Wang, H; Xu, HY; Yan, H	2004	Solid State Commun., 2004, 130, 465-68
Synergy Between Microwave Irradiation and Promoter Addition about Synthesis of Nanosized TPA-Silicalite-1	Jung, S. J.; Kim, M. H.; Kim, H. D.; Kim, Y. H.; Kim, S. R.	2004	Stud. Surf. Sci. Catal., 2004, 154, 180-183.
Synthesis and characterization of hexagonal Ba-ferrite nanocrystals	Guo, F-F; Xu, J-F; Xu, Z	2004	Tongji Daxue Xuebao, 2004, 32, 929
Syntheses of nanocrystalline Mg-Al-LDHs and PO ₄ ³⁻ , P ₂ O ₇ ⁴⁻ anion-pillared layered double hydroxides under the conditions of microwave	Feng, L-R; Lan, B.; Lu, S-J; Qiu, F-L; Zhang, Z-J	2004	Wuji Cailiao Xuebao, 2004, 19, 761-766.
Microwave synthesis of Ru/C nanocomposite for electrochemical supercapacitor applications	Chen, WX; Han, G; Lee, JY; Liu, ZL; Xu, ZD	2003	Acta Chim. Sinica, 2003, 61, 2033-35
Synthesis of carbon nanotubes using microwave radiation	Hong, EH; Lee, KH; Oh, SH; Park, CG	2003	Adv. Funct. Mater., 2003, 13, 961-66
Effects of heating methods on synthesis of zeolites	Lim, HM; Ahn, BG; Jung, SJ; Lee, SH	2003	Adv. Tech. Mater. Mater. Proc. J., 2003, v. 5
Preparation of gold nanoplates by a microwave-polyol method	Tsuji, M; Hashimoto, M; Nishizawa, Y; Tsuji, T	2003	Chem. Lett., 2003, 32, 1114-15
Microwave-polyol preparation of single-crystalline gold nanorods and nanowires	Zhu, YJ; Hu, XL	2003	Chem. Lett., 2003, 32, 1140-41

Nanotubes in microwave fields: light emission, intense heat, outgassing, and reconstruction	Imholt, TJ; Dyke, CA; Perez, JM; Price, DW; Scott, JB; Wadhawan, A; Tour, JM	2003	Chem. Mater., 2003, 15, 3969-70
Structure, morphology and luminescence properties of Pr-doped nanocrystalline ZrO ₂ obtained by hydrothermal method	Grzanka, E; Hreniak, D; Lojkowski, W; Opalinska, A; Presz, A; Streck, W	2003	Diffus. Def. Data Part B, 2003, 94, 141-44
Microwave driven hydrothermal synthesis of zinc oxide nanopowders	Grzanka, E; Lojkowski, W; Palosz, B; Presz, A; Slusarski, L; Strachowski, T	2003	Diffus. Def. Data Part B, 2003, 94, 189-92
Microwave-hydrothermal synthesis of nanocrystalline Pr-doped zirconia powders at pressures up to 8 MPa	Bondioli, F; Braccini, S; Chudoba, T; Ferrari, AM; Grzanka, E; Leonelli, C; Lojkowski, W; Opalinska, A; Palosz, B; Pellacani, GC	2003	Diffus. Def. Data Part B, 2003, 94, 193-96
Microwave-assisted synthesis of a soluble single wall carbon nanotube derivative	Della Negra, F; Meneghetti, M; Menna, E	2003	Fullerenes Nanotubes Carbon Nanostruct., 2003, 11, 25-34
Advances of hydrothermal synthesis of nanopowders	Liu, XX; Wu, HJ; Xiang, L; Yu, Z; Zhu, DS	2003	Huagong Xiandai, 2003, 23, 37-40
Microwave-assisted synthesis of tube-like HgS nanoparticles in aqueous solution under ambient condition	Shao, M; Kong, L; Li, Q; Yu, W; Qian, Y	2003	Inorg. Chem. Commun., 6, 2003, 737-39
Microwave-assisted polyol synthesis of CuInTe ₂ and CuInSe ₂ nanoparticles	Grisaru, H; Palchik, O; Palchik, AGV; Slifkin, MA; Weiss, AM	2003	Inorg. Chem., 2003, 42, 7148-55
Synthesis and characterization of nanostructured BSTO thin-films for microwave applications	Biggers, Rand; Campbell, Angela; Miranda, Felix A.; Riehl, Bonnie; Subramanyam, Guru; Tomlin, David; Van Keuls, Fred W.	2003	Integr. Ferroelectr., 2003, 55, 825-837
Synthesis of silver nanorods by microwave irradiation	Liu, FK; Chang, YC; Ko, FH; Chu, TC	2003	Intl. Microprocesses and Nanotechnology Conf., 2003, 220-21
Arts and sciences unite in Nanoput: communicating synthesis and the nanoscale to the layperson	Chanteau, SH; Ruths, T; Tour, JM	2003	J. Chem. Educ., 2003, 80, 395
Microwave-assisted synthesis of nanosized MoSe ₂	Gedanken, A; Harpeness, R; Slifkin, MA; Weiss, AM	2003	J. Mater. Chem., 2003, 13, 2603-06
The synthesis of hollow CdS nanospheres packed with square subunits	Shao, M; Li, Q; Kong, L; Yu, W; Qian, Y	2003	J. Phys. Chem. Solids, 2003, 64, 1147-50
The synthesis of hollow CdS nanospheres packed with square subunits	Shao, M; Li, Q; Kong, L; Yu, W; Qian, Y	2003	J. Phys. Chem. Solids, 2003, 64, 1147-50
Microwave heating for the preparation of nanometer gold particles	Chang, YC; Chu, TC; Dai, BT; Ker, CJ; Ko, FH; Liu, FK	2003	Jpn. J. Appl. Phys., Part 1, 2003, 42, 4152-58
The synthesis of CdS/ZnO and CdS/Pb ₃ O ₄ composite materials via microwave irradiation	Shao, M; Li, Q; Xie, B; Wu, J; Qian, Y	2003	Mater. Chem. Phys., 2003, 78, 288-91
In situ synthesis of CdS/PVK nanocomposites and their optical properties	He, R; Qian, X; Yin, J; Bian, LJ; Xi, HA; Zhu, Z	2003	Mater. Lett., 2003, 57, 1351-54
Microwave heating synthesis of HgS and PbS nanocrystals in ethanol solvent	Ding, T; Zhu, JJ	2003	Mater. Sci. Eng., B, 2003, 100, 307-13
A novel approach for preparation of Y ₂ O ₃ :Eu ³⁺ nanoparticles by microemulsion-microwave heating	Pang, Q; Shi, J; Liu, Y; Xing, D; Gong, M; Xu, N	2003	Mater. Sci. Eng., B, 2003, 103, 57-61
Synthesis of HgS and PbS nanocrystals in a polyol solvent by microwave heating	Ding, T; Long, S; Zhang, JR; Zhu, JJ	2003	Microelectron. Eng., 2003, 66, 46-52
Preparation of semiconductor CuS nanoparticles by microwave irradiation	Liao, XH; Yang, SB	2003	Micronanoelectron. Technol., 2003, 40, 23-24
The synthesis and characterization of CdS nanoparticles	Liao, XH; Yang, SB; Chen, NY	2003	Micronanoelectron. Technol., 2003, 40, 44-46
Microwave-assisted synthesis of nanosized Bi ₂ Se ₃	Harpeness, R; Gedanken, A	2003	New J. Chem., 2003, 1191-93

Microwave-assisted synthesis of nanosized Bi ₂ Se ₃	Harpeness, R; Gedanken, A	2003	New J. Chem., 27, 2003, 1191-93
Synthesis and morphology of nanostructures via microwave heating	Kharissova, O.V.; Mendez, U.O.; Rodriguez, M.	2003	Rev. Adv. Mater. Sci., 2003, 5, 398-402
Growth model of carbon nanotubes assisted with Co-based catalysts	Chang, H.L.; Fang, J.S.; Kuo, C.T.	2003	Rev. Adv. Mater. Sci., 2003, 5, 425-431
Large-area synthesis of aligned carbon nanotubes by surface-wave-excited microwave-plasma CVD	Hayashi, Hiroyuki; Hayashi, Yasuaki; Kashirajima, Jun; Koga, Mizuho; Nishino, Shigehiro; Takahashi, Kazumasa	2003	Shinku, 2003, 46, 249-252
Synthesis of nano sized solid catalysts assisted by microwaves irradiation	Mazzocchia, C; Kaddouri, A; Modica, G	2002	3rd World Congress on Microwave and Radio Frequency Applications, 2002
Rapid and size-controlled preparation of highly concentrated silver nanoparticle colloids under microwave irradiation	Yin, H; Wada, Y; Kitamura, T; Yamamoto, T; Yanagida, S	2002	3rd World Congress on Microwave and Radio Frequency Applications, 2002
Fast preparation of nano-sized nickel particles under microwave irradiation without using catalyst for nucleation	Tsuji, M; Hashimoto, M; Tsuji, T	2002	Chem. Lett., 2002, 1232-33
Microwave-driven polyol method for preparation of TiO ₂ nanocrystallites	Yamamoto, T; Wada, Y; Yin, H; Sakata, T; Mori, H; Yanagida, S	2002	Chem. Lett., 2002, 964-65
Photoluminescence of tetragonal ZrO ₂ nanoparticles synthesized by microwave irradiation	Liang, J; Deng, Z; Jiang, X; Li, F; Li, Y	2002	Inorg. Chem., 41, 2002, 3602-04
Direct Synthesis of Gallium Oxide Tubes, Nanowires, and Nanopaintbrushes	Sharma, S.; Sunkara, M. K.	2002	J. Amer. Chem. Soc. 2002, 124, 12288-93
Microwave-assisted synthesis of carbon supported Pt nanoparticles for fuel cell applications	Chen, WX; Lee, JY; Liu, Z	2002	J. Chem. Soc., Chem. Commun., 2002, 2588-89
Efficient microwave hydrothermal preparation of nanocrystalline anatase TiO ₂ colloids	Wilson, GJ; Will, GD; Frost, RL; Montgomery, SA	2002	J. Mater. Chem., 2002, 12, 1787-91
Microwave-assisted elemental direct reaction route to nanocrystalline copper	Zhang, Y; Qiao, ZP; Chen, XM	2002	J. Mater. Chem., 2002, 12, 2747
Preparation of the Cd _(1-x) Zn _(x) Se alloys in the nanophase form using microwave irradiation	Grisaru, H; Palchik, O; Gedanken, A; Palchik, V; Slifkin, MA; Weiss, AM	2002	J. Mater. Chem., 2002, 12, 339-44
Rapid synthesis of nanocrystalline SnO ₂ powders by microwave heating method	Zhu, JJ; Zhu, JM; Liao, XH; Fang, JL; Zhou, MG; Chen, HY	2002	Mater. Lett., 2002, 53, 12-19
Microwave-assisted solution synthesis of SnO nanocrystallites	Han, CY; Rusakova, IA; Wang, SY; Wu, DS; Wu, NL	2002	Mater. Lett., 2002, 53, 155-59
A rapid synthesis route for the preparation of CdS nanoribbons by microwave irradiation	Zhu, JJ; Wang, H; Zhu, HM; Wang, J	2002	Mater. Sci. Eng., B, 2002, B94, 136-40
Microwave-templated synthesis of CdS nanotubes in aqueous solution at room temperature	Shao, M; Xu, F; Peng, Y; Wu, J; Li, Q; Zhang, S; Qian, Y	2002	New J. Chem., 2002, 1440-42
Nanophase materials by a novel microwave-hydrothermal process	Komarneni, S; Katsuki, S	2002	Pure Appl. Chem., 2002, 74, 1537-44
Rapid synthesis of Pt or Pd/carbon nanocomposites using microwave irradiation	Boxall, DL; Lukehart, CM	2001	Chem. Mater., 2001, 13, 806-10
Rapid synthesis of a Pt(l)Ru(l)/carbon nanocomposite using microwave irradiation: A DMFC anode catalyst of high relative performance	Boxall, DL; Deluga, GA; Kenik, EA; King, WD; Lukehart, CM	2001	Chem. Mater., 2001, 13, 891-900
Microwave-hydrothermal synthesis of monodispersed nanophase α -Fe ₂ O ₃	Katsuki, H; Komarneni, S	2001	J. Am. Ceram. Soc., 2001, 84, 2313-17
Microwave-hydrothermal synthesis of nanocrystalline zirconia powders	Bondioli, F; Ferrari, AM; Leonelli, C; Siligardi, C; Pellacani, GC	2001	J. Am. Ceram. Soc., 2001, 84, 2728-30

A microwave assisted heating method for the rapid synthesis of sphalrite-type mercury sulfide nanocrystals with different sizes	Wang, H; Zhang, HR; Zhu, JJ	2001	J. Cryst. Growth, 2001, 233, 829-36
Microwave-assisted size control of CdS nanocrystallites	Wada, Y; Kuramoto, H; Anand, J; Kitamura, T; Sakata, T; Mori, H; Yanagida, S	2001	J. Mater. Chem., 2001, 11, 1936-1940
The application of microwaves in the synthesis of Ce _{0.9} Pr _{0.1} O ₂ nanostructured powders	Bondioli, F; Ferrari, AM; Leonelli, C; Siligardi, C; Hart, NA; Evans, NG	2001	J. Mater. Chem., 2001, 11, 2620-24
Microwave-assisted polyol method for the preparation of CdSe "nanoballs"	Palchik, O; Kerner, R; Gedanken, A; Weiss, AM; Slifkin, MA; Palchik, V	2001	J. Mater. Chem., 2001, 11, 874-878
Microwave-assisted synthesis of Zn/Al layered double hydroxide-(anthraquinone-2,6-disulfonate) nanocomposite	Bin Hussein, MZ; Shing Tat, OW; Yun Hin, T; Zainal, Z	2001	J. Microwave Power Electromagnetic Energy, 2001, 36, 113-19
Synthesis of carbon nanotubes by microwave heating	Hong, EH; Lee, KH; Oh, SH; Park, CG; Ryu, CM; Han, JH; Ryu, JE	2001	NASA Conf. Publ., 2001, 210948, 805-09
Rapid synthesis of nanoscale colloidal metal clusters by microwave irradiation	Tu, WX; Liu, HF	2000	J. Mater. Chem. 2000, 10, 2207-11
Microwave assisted preparation of binary oxide nanoparticles	Palchik, O; Zhu, J; Gedanken, A	2000	J. Mater. Chem., 2000, 10, 1251-1254
Microwave-assisted synthesis of Zn-Al-layered double hydroxide-sodium dodecyl sulfate nanocomposite	Bin Hussein, MZ; Zainal, Z; Ming, CY	2000	J. Mater. Sci. Lett., 2000, 19, 879-83
Preparation of Cu _{2-x} Te and HgTe by using microwave heating	Palchik, O; Kerner, R; Zhu, Z; Gedanken, A	2000	J. Solid State Chem., 2000, 154, 530-34
Microwave flash-synthesis of iron oxides nanoparticles	Rigneau, P; Bellon, K; Zahreddine, I; Stuerger, D	1999	EPJ Applied Physics, 1999, 7, 41-43
Dissolution studies on microwave synthesized nanocrystalline thoria powder in nitric acid medium	Subramaniam, S; Shyamala, KV; Antony, MP; Chandramouli, V; Vasudeva Rao, PR	1999	Proc. Nucl. Radiochem. Sympos., 1999, 219-20.
Nanocomposite materials designed for chemical catalysis. Final progress report, May 1995 - December 1998	Lukehart, CM	1999	Vanderbilt Univ, Nashville TN
Microwave-hydrothermal synthesis of nanophase ferrites	D'Arrigo, SKMC; Leonelli, C; Katsuki, GCPH	1998	Am. Ceram. Soc., 1998, 81, 3041-84
Nanosized AlPO ₄ -5 molecular sieves and ultrathin films prepared by microwave synthesis	Mintova, S; Mo, S; Bein, T	1998	Chem. Mater., 1998, 10, 4030-36
Microwave-hydrothermal synthesis of nanometer-sized colloidal particles of hematite	Huang, L; Han, X	1998	ChinaNet - Physics , Jilin University









