

# Michael Giersig

## List of Publications by Year in descending order

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228  
papers

21,757  
citations

9254

74  
h-index

9090

144  
g-index

229  
all docs

229  
docs citations

229  
times ranked

22595  
citing authors

#	ARTICLE	IF	CITATIONS
1	Releasing the Bubbles: Nanotopographical Electrocatalyst Design for Efficient Photoelectrochemical Hydrogen Production in Microgravity Environment. <i>Advanced Science</i> , 2022, 9, e2105380.	5.6	8
2	A versatile strategy for loading silica particles with dyes and quantum dots. <i>Colloids and Interface Science Communications</i> , 2022, 47, 100594.	2.0	3
3	Gold Nanoparticle-Decorated Bi <sub>2</sub> S <sub>3</sub> Nanorods and Nanoflowers for Photocatalytic Wastewater Treatment. <i>Catalysts</i> , 2021, 11, 355.	1.6	22
4	Magnetic Nanomaterials in Microfluidic Sensors for Virus Detection: A Review. <i>ACS Applied Nano Materials</i> , 2021, 4, 4307-4328.	2.4	31
5	Light- and Melanin Nanoparticle-Induced Cytotoxicity in Metastatic Cancer Cells. <i>Pharmaceutics</i> , 2021, 13, 965.	2.0	6
6	Structural modification of nanohydroxyapatite Ca <sub>10</sub> (PO <sub>4</sub> ) <sub>6</sub> (OH) <sub>2</sub> related to Eu <sup>3+</sup> and Sr <sup>2+</sup> ions doping and its spectroscopic and antimicrobial properties. <i>Journal of Inorganic Biochemistry</i> , 2020, 203, 110884.	1.5	30
7	Carbon Nanotubes Interference with Luminescence-Based Assays. <i>Materials</i> , 2020, 13, 4270.	1.3	8
8	Utilization of Carbon Nanotubes in Manufacturing of 3D Cartilage and Bone Scaffolds. <i>Materials</i> , 2020, 13, 4039.	1.3	26
9	Towards spectrally selective catastrophic response. <i>Physical Review E</i> , 2020, 101, 062415.	0.8	2
10	A PTFE helical capillary microreactor for the high throughput synthesis of monodisperse silica particles. <i>Chemical Engineering Journal</i> , 2020, 401, 126063.	6.6	15
11	Nano-bridged nanosphere lithography. <i>Nanotechnology</i> , 2020, 31, 245302.	1.3	15
12	Band gap optimization of tin tungstate thin films for solar water oxidation. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 8676-8685.	3.8	22
13	Bioevaluation of superparamagnetic iron oxide nanoparticles (SPIONs) functionalized with dihexadecyl phosphate (DHP). <i>Scientific Reports</i> , 2020, 10, 2725.	1.6	25
14	Effect of Mo-doping in SnO <sub>2</sub> thin film photoanodes for water oxidation. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 33448-33456.	3.8	14
15	Magnetron sputtered copper bismuth oxide photocathodes for solar water reduction. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 495501.	1.3	14
16	Extraordinary optical transmission in nano-bridged plasmonic arrays mimicking a stable weakly-connected percolation threshold. <i>Optics Express</i> , 2020, 28, 31425.	1.7	6
17	Composite spheres made of bioengineered spider silk and iron oxide nanoparticles for theranostics applications. <i>PLoS ONE</i> , 2019, 14, e0219790.	1.1	37
18	Osteoarthritis Severely Decreases the Elasticity and Hardness of Knee Joint Cartilage: A Nanoindentation Study. <i>Journal of Clinical Medicine</i> , 2019, 8, 1865.	1.0	24

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19	Assembly and Characterization of HBc Derived Virus-like Particles with Magnetic Core. <i>Nanomaterials</i> , 2019, 9, 155.	1.9	12
20	Influence of the shape on the magneto-optic properties of nanosized islands. <i>Materials Chemistry and Physics</i> , 2019, 228, 27-31.	2.0	1
21	Experimental Methods for Efficient Solar Hydrogen Production in Microgravity Environment. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	0
22	Plasmon resonances in coupled Babinet complementary arrays in the mid-infrared range. <i>Optics Express</i> , 2019, 27, 22939.	1.7	11
23	Nanoscope carbon electrodes: Structure, electrical properties and application for electrochemistry. <i>Carbon</i> , 2018, 130, 768-774.	5.4	15
24	Advancing semiconductor electrocatalyst systems: application of surface transformation films and nanosphere lithography. <i>Faraday Discussions</i> , 2018, 208, 523-535.	1.6	2
25	The influence of ligand charge and length on the assembly of <i>Brome mosaic virus</i> derived virus-like particles with magnetic core. <i>AIP Advances</i> , 2018, 8, .	0.6	16
26	Nanoid Canyons On-Demand: Electrically Switchable Surface Topography in Liquid Crystal Networks. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 37743-37748.	4.0	9
27	Role of interactions in the magneto-plasmonic response at the geometrical threshold of surface continuity: publisher's note. <i>Optics Express</i> , 2018, 26, 338.	1.7	1
28	Vortex Creation without Stirring in Coupled Ring Resonators with Gain and Loss. <i>Symmetry</i> , 2018, 10, 195.	1.1	3
29	Efficient solar hydrogen generation in microgravity environment. <i>Nature Communications</i> , 2018, 9, 2527.	5.8	45
30	Long-term release of antibiotics by carbon nanotube-coated titanium alloy surfaces diminish biofilm formation by <i>Staphylococcus epidermidis</i> . <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 1587-1593.	1.7	52
31	Nanosphere lithography with variable deposition angle for the production of one-directional transparent conductors. <i>Physica Status Solidi - Rapid Research Letters</i> , 2017, 11, 1700005.	1.2	8
32	Sulfur impregnation of multi-walled carbon nanotubes via SF <sub>6</sub> /NH <sub>3</sub> plasma exposure. <i>Physica Status Solidi - Rapid Research Letters</i> , 2017, 11, 1600420.	1.2	0
33	Lubricating performance of carbon nanotubes in internal combustion engines engine test results for CNT enriched oil. <i>International Journal of Automotive Technology</i> , 2017, 18, 1047-1059.	0.7	23
34	Biocompatibility of vertically aligned multi-walled carbon nanotube scaffolds for human breast cancer cell line MDA-MB-231. <i>Progress in Biomaterials</i> , 2017, 6, 189-196.	1.8	11
35	Shape Control of Periodic Metallic Nanostructures for Transparent Conductive Films. <i>Particle and Particle Systems Characterization</i> , 2017, 34, 1600262.	1.2	17
36	Role of interactions in the magneto-plasmonic response at the geometrical threshold of surface continuity. <i>Optics Express</i> , 2017, 25, 32792.	1.7	11

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37	Plasmonic refraction-induced ultrahigh transparency of highly conducting metallic networks. <i>Laser and Photonics Reviews</i> , 2016, 10, 465-472.	4.4	6
38	Large-area, polarisation-sensitive plasmonic materials from colloidal lithography. <i>Physica Status Solidi - Rapid Research Letters</i> , 2016, 10, 404-408.	1.2	1
39	&lt;/&gt;In Vitro&lt;/&gt; Evaluation of Carbon Nanotube-Based Scaffolds for Cartilage Tissue Engineering. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 9022-9025.	0.9	20
40	Interactions between magnetic nanoparticles and model lipid bilayers—Fourier transformed infrared spectroscopy (FTIR) studies of the molecular basis of nanotoxicity. <i>Journal of Applied Physics</i> , 2016, 120, .	1.1	20
41	Requirement on Aromatic Precursor for Graphene Formation. <i>Journal of Physical Chemistry C</i> , 2016, 120, 9821-9825.	1.5	11
42	Cells and Nanomaterial-Based Tissue Engineering Techniques in the Treatment of Bone and Cartilage Injuries. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 8948-8952.	0.9	13
43	Preparation of Biocompatible, Luminescent-Plasmonic Core/Shell Nanomaterials Based on Lanthanide and Gold Nanoparticles Exhibiting SERS Effects. <i>Journal of Physical Chemistry C</i> , 2016, 120, 23788-23798.	1.5	53
44	Physics of transparent conductors. <i>Advances in Physics</i> , 2016, 65, 553-617.	35.9	96
45	Optimization of hierarchical structure and nanoscale-enabled plasmonic refraction for window electrodes in photovoltaics. <i>Nature Communications</i> , 2016, 7, 12825.	5.8	46
46	Spectroscopic, structural and in vitro cytotoxicity evaluation of luminescent, lanthanide doped core@shell nanomaterials GdVO <sub>4</sub> :Eu <sup>3+</sup> @SiO <sub>2</sub> @NH <sub>2</sub> . <i>Journal of Colloid and Interface Science</i> , 2016, 481, 245-255.	5.0	45
47	In-situ electrochemical doping of nanoporous anodic aluminum oxide with indigo carmine organic dye. <i>Thin Solid Films</i> , 2016, 598, 60-64.	0.8	18
48	Magnetic behaviour of non-interacting colloidal iron oxide nanoparticles in physiological solutions. <i>Crystal Research and Technology</i> , 2015, 50, 791-796.	0.6	7
49	Observation of a hole-size-dependent energy shift of the surface-plasmon resonance in Ni antidot thin films. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	14
50	Magneto-Optical Properties of Co Nanoparticles/(Cu, Ag, Au) Sandwich Systems. <i>Science of Advanced Materials</i> , 2015, 7, 540-545.	0.1	3
51	Nanosphere lithography – exploiting self-assembly on the nanoscale for sophisticated nanostructure fabrication. <i>Turkish Journal of Physics</i> , 2014, 38, 563-572.	0.5	21
52	Understanding Anisotropic Plasma Etching of Two-Dimensional Polystyrene Opals for Advanced Materials Fabrication. <i>Langmuir</i> , 2014, 30, 12354-12361.	1.6	62
53	Transparent Conductive Electrodes: Uniform Self-Forming Metallic Network as a High-Performance Transparent Conductive Electrode ( <i>Adv. Mater.</i> 6/2014). <i>Advanced Materials</i> , 2014, 26, 980-980.	11.1	4
54	A broadband solar absorber with 12-nm thick ultrathin Si layer by using random metallic nanomeshes. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	28

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55	Eu <sup>3+</sup> and Tb <sup>3+</sup> doped LaPO <sub>4</sub> nanorods, modified with a luminescent organic compound, exhibiting tunable multicolour emission. RSC Advances, 2014, 4, 46305-46312.	1.7	50
56	Growing graphene on polycrystalline copper foils by ultra-high vacuum chemical vapor deposition. Carbon, 2014, 78, 347-355.	5.4	41
57	Au@MnO <sub>2</sub> Core-Shell Nanomesh Electrodes for Transparent Flexible Supercapacitors. Small, 2014, 10, 4136-4141.	5.2	93
58	Uniform Self-Forming Metallic Network as a High-Performance Transparent Conductive Electrode. Advanced Materials, 2014, 26, 873-877.	11.1	280
59	Transparent metal electrodes from ordered nanosphere arrays. Journal of Applied Physics, 2013, 114, .	1.1	38
60	Structural, spectroscopic and cytotoxicity studies of TbF <sub>3</sub> @CeF <sub>3</sub> and TbF <sub>3</sub> @CeF <sub>3</sub> @SiO <sub>2</sub> nanocrystals. Journal of Nanoparticle Research, 2013, 15, 1958.	0.8	46
61	Enhanced broad-band extraordinary optical transmission through subwavelength perforated metallic films on strongly polarizable substrates. Applied Physics Letters, 2013, 102, .	1.5	15
62	Co <sub>x</sub> Ag <sub>1-x</sub> core-shell nanoparticles: magnetic and magneto-optical studies. Applied Physics A: Materials Science and Processing, 2013, 111, 853-859.	1.1	4
63	Transparent Nanowire Network Electrode for Textured Semiconductors. Small, 2013, 9, 733-737.	5.2	14
64	Evidence for critical scaling of plasmonic modes at the percolation threshold in metallic nanostructures. Applied Physics Letters, 2013, 103, .	1.5	18
65	The effect of nickel nanostructure on surface waves propagation in silicon support. Journal of Alloys and Compounds, 2012, 527, 96-100.	2.8	14
66	Nanoribbon Plasmonic Gratings and their Anomalous Interaction with Electromagnetic Waves. Advanced Materials, 2012, 24, 3042-3045.	11.1	14
67	Self-assembly of latex particles for the creation of nanostructures with tunable plasmonic properties. Journal of Materials Chemistry, 2011, 21, 16783.	6.7	39
68	Surface plasmons and magneto-optic activity in hexagonal Ni anti-dot arrays. Optics Express, 2011, 19, 23867.	1.7	59
69	Transmission of Light through Magnetic Nanocavities. Small, 2011, 7, 3096-3100.	5.2	7
70	Plasmonics of thin film quasitriangular nanoparticles. Applied Physics Letters, 2010, 96, 133104.	1.5	22
71	An Approach to Fabrication of Metal Nanoring Arrays. Langmuir, 2010, 26, 3549-3554.	1.6	40
72	Gold encapsulation of star-shaped FePt nanoparticles. Journal of Materials Chemistry, 2010, 20, 61-64.	6.7	36

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73	Study of the Electron Tunnelling in Single-Barrier Nanostructures Using the Conductive Atomic Force Microscopy. <i>Journal of Advanced Microscopy Research</i> , 2010, 5, 11-15.	0.3	0
74	Periodic Large-Area Metallic Split-Ring Resonator Metamaterial Fabrication Based on Shadow Nanosphere Lithography. <i>Small</i> , 2009, 5, 400-406.	5.2	157
75	Optical and Magnetic Properties of Hexagonal Arrays of Subwavelength Holes in Optically Thin Cobalt Films. <i>Nano Letters</i> , 2009, 9, 1-6.	4.5	195
76	Interaction Between Human Osteoblast Cells and Inorganic Two-Dimensional Scaffolds Based on Multiwalled Carbon Nanotubes: A Quantitative AFM Study. <i>Advanced Functional Materials</i> , 2008, 18, 3765-3771.	7.8	35
77	Magnetic anisotropy study of triangular-shaped Co nanostructures. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, 2682-2687.	1.0	6
78	Co/CoO core-shell nanoparticles—Temperature-dependent magneto-optic studies. <i>Materials Chemistry and Physics</i> , 2008, 112, 1129-1132.	2.0	13
79	Colloidal Cobalt-Doped ZnO Nanorods: Synthesis, Structural, and Magnetic Properties. <i>Journal of Physical Chemistry C</i> , 2008, 112, 2412-2417.	1.5	56
80	Synthesis of Flexible, Ultrathin Gold Nanowires in Organic Media. <i>Langmuir</i> , 2008, 24, 9855-9860.	1.6	170
81	Biocompatible Nanomaterials and Nanodevices Promising for Biomedical Applications. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2008, , 1-15.	0.2	5
82	Micromechanical properties of consecutive layers in specialized insect cuticle: the gula of <i>Pachnoda marginata</i> (Coleoptera, Scarabaeidae) and the infrared sensilla of <i>Melanophila acuminata</i> (Coleoptera, Buprestidae). <i>Journal of Experimental Biology</i> , 2008, 211, 2576-2583.	0.8	42
83	Organization of Magnetic/Noble Metal Heterostructures by an Applied External Magnetic Field. <i>Materials Research Society Symposia Proceedings</i> , 2008, 1079, 1.	0.1	0
84	Cobalt-Doped ZnO Nanorods Fabricated by a Simple Wet Chemical Route in Alcoholic Solution. <i>Zeitschrift Fur Physikalische Chemie</i> , 2007, 221, 387-392.	1.4	3
85	A new method for production of nanoscale structures for possible applications in security. <i>International Journal of Nanotechnology</i> , 2007, 4, 226.	0.1	0
86	Magnetic Noble Metal Nanocomposites with Morphology-Dependent Optical Response. <i>Chemistry of Materials</i> , 2007, 19, 4415-4422.	3.2	65
87	Optical Transmission through Hexagonal Arrays of Subwavelength Holes in Thin Metal Films. <i>Nano Letters</i> , 2007, 7, 2926-2930.	4.5	75
88	Review of the Synthetic Chemistry Involved in the Production of Core/Shell Semiconductor Nanocrystals. <i>Australian Journal of Chemistry</i> , 2007, 60, 457.	0.5	114
89	Stepwise interfacial self-assembly of nanoparticles via specific DNA pairing. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 6313.	1.3	51
90	Electro-Assisted Photo-Luminescence of Colloidal Germanium Nanoparticles. <i>Zeitschrift Fur Physikalische Chemie</i> , 2007, 221, 377-386.	1.4	1

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91	Surface elastic properties of Si decorated with Ni nanostructures. <i>Surface Science</i> , 2007, 601, 2330-2338.	0.8	3
92	A simple route for the attachment of colloidal nanocrystals to noncovalently modified multiwalled carbon nanotubes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 292, 83-85.	2.3	25
93	Structure of flattened carbon nanotubes. <i>Carbon</i> , 2007, 45, 2938-2945.	5.4	9
94	Structure and self-assembling of Co nanoparticles. <i>Materials Science and Engineering C</i> , 2007, 27, 23-28.	3.8	19
95	Optical strain detectors based on gold/elastomer nanoparticulated films. <i>Gold Bulletin</i> , 2007, 40, 6-14.	3.2	30
96	Vertically Aligned Carbon Nanotubes as Cytocompatible Material for Enhanced Adhesion and Proliferation of Osteoblast-Like Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 1679-1683.	0.9	47
97	Highly Ordered MWNT-Based Matrixes: Topography at the Nanoscale Conceived for Tissue Engineering. <i>Langmuir</i> , 2006, 22, 5427-5434.	1.6	58
98	Spontaneous Transformation of CdTe Nanoparticles into Angled Te Nanocrystals: From Particles and Rods to Checkmarks, X-Marks, and Other Unusual Shapes. <i>Journal of the American Chemical Society</i> , 2006, 128, 6730-6736.	6.6	89
99	Nanoengineered Polymeric Thin Films by Sintering CNT-Coated Polystyrene Spheres. <i>Small</i> , 2006, 2, 220-224.	5.2	34
100	Structure effects on the magnetism of AgCo nanoparticles. <i>Acta Materialia</i> , 2006, 54, 5251-5260.	3.8	25
101	Effect of magnetic field on self-assembling of colloidal Co magnetic nanoparticles. <i>Applied Surface Science</i> , 2006, 252, 5559-5562.	3.1	9
102	GISAXS studies of self-assembling of colloidal Co nanoparticles. <i>Materials Science and Engineering C</i> , 2006, 26, 1136-1140.	3.8	10
103	Quantum Dot Modified Multiwall Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2006, 110, 12901-12904.	1.2	130
104	Drastic Surface Plasmon Mode Shifts in Gold Nanorods Due to Electron Charging. <i>Plasmonics</i> , 2006, 1, 61-66.	1.8	150
105	Photochemical Synthesis and Multiphoton Luminescence of Monodisperse Silver Nanocrystals. <i>Plasmonics</i> , 2006, 1, 45-51.	1.8	39
106	Nanomedicine for respiratory diseases. <i>European Journal of Pharmacology</i> , 2006, 533, 341-350.	1.7	196
107	Stepwise Directing of Nanocrystals to Self-Assemble at Water/Oil Interfaces. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7963-7966.	7.2	96
108	Photoluminescence Quenching Control in Quantum Dot-Carbon Nanotube Composite Colloids Using a Silica-Shell Spacer. <i>Advanced Materials</i> , 2006, 18, 415-420.	11.1	106

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109	Nanoparticle-Based Diagnosis and Therapy. <i>Current Drug Targets</i> , 2006, 7, 643-648.	1.0	137
110	Multi-Walled Carbon Nanotubes and Metallic Nanoparticles and Their Application in Biomedicine. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 316-321.	0.9	28
111	Electrochemistry of a Carbon Microfiber Adsorbed by Cobalt Nanoparticles. <i>Analytical Sciences</i> , 2005, 21, 1227-1232.	0.8	1
112	From anisotropic photo-fluidity towards nanomanipulation in the optical near-field. <i>Nature Materials</i> , 2005, 4, 699-703.	13.3	258
113	Magnetic Nanoparticle Superstructures. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 3571-3583.	1.0	56
114	From Colloidal Co/CoO Core/Shell Nanoparticles to Arrays of Metallic Nanomagnets: Surface Modification and Magnetic Properties. <i>ChemPhysChem</i> , 2005, 6, 2522-2526.	1.0	39
115	Aligning Au Nanorods by Using Carbon Nanotubes as Templates. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4375-4378.	7.2	231
116	Asymmetric Functional Colloids Through Selective Hemisphere Modification. <i>Advanced Materials</i> , 2005, 17, 2014-2018.	11.1	46
117	Fabrication of Nanoscale Rings, Dots, and Rods by Combining Shadow Nanosphere Lithography and Annealed Polystyrene Nanosphere Masks. <i>Small</i> , 2005, 1, 439-444.	5.2	297
118	Core - Shell Pd/Co Nanocrystals. <i>Australian Journal of Chemistry</i> , 2005, 58, 307.	0.5	8
119	Layer-by-Layer Assembly of Multiwall Carbon Nanotubes on Spherical Colloids. <i>Chemistry of Materials</i> , 2005, 17, 3268-3272.	3.2	140
120	Nanomechanical Properties of Silica-Coated Multiwall Carbon Nanotubes/Poly(methyl methacrylate) Composites. <i>Langmuir</i> , 2005, 21, 3146-3152.	1.6	101
121	Alignment of Carbon Nanotubes under Low Magnetic Fields through Attachment of Magnetic Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2005, 109, 19060-19063.	1.2	315
122	Multi-walled carbon nanotubes for plasmid delivery into Escherichia coli cells. <i>Lab on A Chip</i> , 2005, 5, 536.	3.1	84
123	Magnetic Colloidosomes Derived from Nanoparticle Interfacial Self-Assembly. <i>Nano Letters</i> , 2005, 5, 949-952.	4.5	264
124	Magnetic and optical tunable microspheres with a magnetite/gold nanoparticle shell. <i>Journal of Materials Chemistry</i> , 2005, 15, 2095.	6.7	106
125	Exchange bias effects in submicron antiferromagnetic-ferromagnetic dots prepared by nanosphere lithography. <i>Journal of Applied Physics</i> , 2004, 95, 7516-7518.	1.1	21
126	Shadow Nanosphere Lithography: A Simulation and Experiment. <i>Nano Letters</i> , 2004, 4, 1359-1363.	4.5	356



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127	Magnetite particles studied by MÃ¶ssbauer and magneto-optical Kerr effect. Journal of Applied Physics, 2004, 95, 1343-1350.	1.1	24
128	Enhanced Introduction of Gold Nanoparticles into Vital Acidothiobacillus ferrooxidans by Carbon Nanotube-based Microwave Electroporation. Nano Letters, 2004, 4, 985-988.	4.5	115
129	Mechanism of Strong Luminescence Photoactivation of Citrate-Stabilized Water-Soluble Nanoparticles with CdSe Cores. Journal of Physical Chemistry B, 2004, 108, 15461-15469.	1.2	263
130	Fabrication and Biocompatibility of Carbon Nanotube-Based 3D Networks as Scaffolds for Cell Seeding and Growth. Nano Letters, 2004, 4, 2233-2236.	4.5	458
131	AuAg bimetallic nanoparticles: formation, silica-coating and selective etching. Faraday Discussions, 2004, 125, 133-144.	1.6	79
132	Evidence of an aggregative mechanism during the formation of silver nanowires in N,N-dimethylformamide. Journal of Materials Chemistry, 2004, 14, 607-610.	6.7	178
133	Formation of Super Arrays of Periodic Nanoparticles and Aligned ZnO Nanorods âˆ™ Simulation and Experiments. Nano Letters, 2004, 4, 2037-2040.	4.5	85
134	Layer-by-Layer Assembled Composites from Multiwall Carbon Nanotubes with Different Morphologies. Nano Letters, 2004, 4, 1889-1895.	4.5	255
135	Growth of Mn-Bi films on Si(111):â€¢Targeting epitaxial MnBi. Journal of Applied Physics, 2004, 96, 3972-3975.	1.1	8
136	Novel electrochemical process for the deposition of nanocrystalline NiFe <sub>2</sub> O <sub>4</sub> thin films. Journal of Physics Condensed Matter, 2004, 16, 773-784.	0.7	23
137	Fabrication of novel magnetic nanostructures by colloidal bimetallic nanocrystals and multilayers. Materials Science and Engineering C, 2003, 23, 873-878.	3.8	5
138	Ordering of free-standing Co nanoparticles. Materials Science and Engineering C, 2003, 23, 949-952.	3.8	30
139	Atomic image of Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+x</sub> cleaved surface. Physica C: Superconductivity and Its Applications, 2003, 387, 221-224.	0.6	1
140	Anisotropies in ferromagnetic nanoparticles: simulation and experimental approach. Sensors and Actuators A: Physical, 2003, 106, 130-133.	2.0	5
141	Large-scale, 2D arrays of magnetic nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 219, 1-6.	2.3	292
142	Synthesis of Coreâˆ™Shell PtCo Nanocrystalsâ€¢. Journal of Physical Chemistry B, 2003, 107, 7351-7354.	1.2	108
143	Growth of large periodic arrays of carbon nanotubes. Applied Physics Letters, 2003, 82, 460-462.	1.5	145
144	Structural study of self-assembled Co nanoparticles. Journal of Applied Physics, 2003, 94, 7743.	1.1	15

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145	Size Effects in ZnO: The Cluster to Quantum Dot Transition. Australian Journal of Chemistry, 2003, 56, 1051.	0.5	193
146	Photonic Crystals Based on Periodic Arrays of Aligned Carbon Nanotubes. Nano Letters, 2003, 3, 13-18.	4.5	285
147	Structure and magnetic properties of Nd <sub>2</sub> (Fe,Co,Al,Cr) <sub>14B</sub> /±-Fe nanocomposite magnets. Journal of Alloys and Compounds, 2003, 349, 311-315.	2.8	16
148	Growth model of CuGaSe <sub>2</sub> grains in a Cu-rich/Cu-poor bilayer process. Journal of Applied Physics, 2003, 94, 6864-6870.	1.1	21
149	Preparation, Structure and Magnetic Properties of Bimetallic Nanoparticles. Microscopy and Microanalysis, 2003, 9, 194-195.	0.2	0
150	Mechanics of the ion layer gas reaction – A preparation method of nanocrystalline thin layers. Journal of Applied Physics, 2002, 91, 6691.	1.1	9
151	Magneto-optics of thin magnetic films composed of Co nanoparticles. Journal of Applied Physics, 2002, 92, 7481-7485.	1.1	28
152	Structure and Magnetism of Co and CoAg Nanocrystals. Materials Research Society Symposia Proceedings, 2002, 721, 1.	0.1	12
153	Synthesis and Structure of Colloidal Bimetallic Nanocrystals: The Non-Alloying System Ag/Co. Nano Letters, 2002, 2, 621-624.	4.5	154
154	Green ErIII luminescence in fractal ZnO nanolattices. Applied Physics Letters, 2002, 81, 3858-3860.	1.5	43
155	Inorganic Particle Synthesis in Confined Micron-Sized Polyelectrolyte Capsules. Langmuir, 2002, 18, 8204-8208.	1.6	83
156	Fabrication of a Novel Type of Metallized Colloids and Hollow Capsules. Langmuir, 2002, 18, 6687-6693.	1.6	131
157	Preparation And Characterization Of Core-Shell Cobalt Silver Nanoparticles. Microscopy and Microanalysis, 2002, 8, 1362-1363.	0.2	0
158	Magnetic properties of arrays of interacting Co nanocrystals. Journal of Magnetism and Magnetic Materials, 2002, 240, 40-43.	1.0	48
159	Biomaterials by Design: Layer-By-Layer Assembled Ion-Selective and Biocompatible Films of TiO <sub>2</sub> Nanoshells for Neurochemical Monitoring. Advanced Functional Materials, 2002, 12, 255.	7.8	151
160	On the road from single, nanosized magnetic clusters to multi-dimensional nanostructures. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2002, 202, 207-213.	2.3	15
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