

# Yitzhak Mastai

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

141  
papers

4,584  
citations

40  
h-index

62  
g-index

152  
ext. papers

4,958  
ext. citations

6.1  
avg. IF

5.57  
L-index

#	Paper	IF	Citations
141	Growth of Hybrid Chiral Thin Films by Molecular Layer Deposition Zinc/Cysteine as a Case Study. <i>Advanced Materials Interfaces</i> , <b>2022</b> , 9, 2101725	4.6	1
140	Physicochemical evaluation of the effect of natural zeolite modification with didodecyldimethylammonium bromide on the adsorption of Bisphenol-A and Propranolol Hydrochloride. <i>Microporous and Mesoporous Materials</i> , <b>2021</b> , 318, 111020	5.3	6
139	Toward Efficient Synthesis of Porous All-Carbon-Based Nanocomposites for Enantiospecific Separation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 24228-24237	9.5	2
138	Solvent-Free Mechanochemical Synthesis of ZnO Nanoparticles by High-Energy Ball Milling of $\text{E}Zn(\text{OH})$ Crystals. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	9
137	Sonochemically Prepared BSA Microspheres as Adsorbents for the Removal of Organic Pollutants from Water. <i>Langmuir</i> , <b>2021</b> ,	4	3
136	Mesoporous carbon materials with enantioselective surface obtained by nanocasting for selective adsorption of chiral molecules from solution and the gas phase. <i>Carbon</i> , <b>2020</b> , 170, 550-557	10.4	11
135	Gas Phase Bond Formation in Dipeptide Clusters. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 10100-10105	10.5	5
134	Synthesis of Multi Amino Acid Chiral Polymeric Microparticles for Enantioselective Chemistry. <i>Macromolecular Chemistry and Physics</i> , <b>2020</b> , 221, 2000328	2.6	4
133	Enantioselective Crystallization of Chiral Inorganic Crystals of $\gamma\text{-Zn}(\text{OH})$ with Amino Acids. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 20924-20929	16.4	8
132	Enantioselective Crystallization of Chiral Inorganic Crystals of $\gamma\text{-Zn}(\text{OH})_2$ with Amino Acids. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 21110-21115	3.6	
131	P-LME polymer nanocapsules stimulate naïve macrophages and protect them from oxidative damage during controlled drug release. <i>Journal of Applied Polymer Science</i> , <b>2020</b> , 137, 48363	2.9	2
130	Polarization Dependence of Low-Frequency Vibrations from Multiple Faces in an Organic Single Crystal. <i>Crystals</i> , <b>2019</b> , 9, 425	2.3	2
129	Growth of Hybrid Inorganic/Organic Chiral Thin Films by Sequenced Vapor Deposition. <i>ACS Nano</i> , <b>2019</b> , 13, 10397-10404	16.7	3
128	In situ synthesis and catalytic properties of $\text{Cu}_2\text{O}$ nanoparticles based on clay materials and polyethylene glycol. <i>Journal of Nanoparticle Research</i> , <b>2019</b> , 21, 1	2.3	2
127	Bentonite polymer composite for water purification. <i>Bulletin of Materials Science</i> , <b>2019</b> , 42, 1	1.7	9
126	$\text{CoFe}_2\text{O}_4$ Nano-particles for Radical Oxidative Degradation of High Molecular Weight Polybutadiene. <i>Journal of Polymers and the Environment</i> , <b>2019</b> , 27, 827-836	4.5	4
125	Enantioselective Colloidosomes Based on Chiral Silica Nanoparticles. <i>ChemNanoMat</i> , <b>2019</b> , 5, 710-714	3.5	3

124	Amino acid-based ionic liquids as precursors for the synthesis of chiral nanoporous carbons. <i>Nanoscale Advances</i> , <b>2019</b> , 1, 4981-4988	5.1	5
123	Controlling Chemical Selectivity in Electrocatalysis with Chiral CuO-Coated Electrodes. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 3024-3031	3.8	42
122	Radical Degradation Processes Initiated by Catalytic Nanoparticles of CoFe <sub>2</sub> O <sub>4</sub> Towards Polymer Waste Application. <i>Journal of Polymers and the Environment</i> , <b>2018</b> , 26, 3389-3396	4.5	3
121	Isothermal titration calorimetry for chiral chemistry. <i>Chirality</i> , <b>2018</b> , 30, 619-631	2.1	9
120	Hierarchical Superstructures of l-Glutathione. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 5063-5068	3.5	1
119	Atomic layer deposition of metal-oxide thin films on cellulose fibers. <i>Journal of Coordination Chemistry</i> , <b>2018</b> , 71, 2043-2052	1.6	2
118	Broadband luminescence in defect-engineered electrochemically produced porous Si/ZnO nanostructures. <i>Scientific Reports</i> , <b>2018</b> , 8, 6988	4.9	23
117	Formation of Hierarchical Structures of l-Glutamic Acid with an l-Arginine Additive. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 4054-4059	3.5	5
116	Environmental impact and potential use of coal fly ash and sub-economical quarry fine aggregates in concrete. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 344, 1043-1056	12.8	28
115	Chiral Polymers and Polymeric Particles for Enantioselective Crystallization. <i>Israel Journal of Chemistry</i> , <b>2018</b> , 58, 1330-1337	3.4	13
114	Chiral Purity of Crystals Using Low-Frequency Raman Spectroscopy. <i>ChemPhysChem</i> , <b>2018</b> , 19, 3116-3121	3.2	8
113	Chiral Metal-Oxide Nanofilms by Cellulose Template Using Atomic Layer Deposition Process. <i>ACS Nano</i> , <b>2017</b> , 11, 4753-4759	16.7	16
112	Characterization of Crystal Chirality in Amino Acids Using Low-Frequency Raman Spectroscopy. <i>Journal of Physical Chemistry A</i> , <b>2017</b> , 121, 7882-7888	2.8	13
111	Poly-N-acryloyl-(l-phenylalanine methyl ester) hollow core nanocapsules facilitate sustained delivery of immunomodulatory drugs and exhibit adjuvant properties. <i>Nanoscale</i> , <b>2017</b> , 9, 14006-14014	7.7	20
110	Bio-inspired synthesis of a hierarchical self-assembled zinc phosphate nanostructure in the presence of cowpea mosaic virus: in vitro cell cycle, proliferation and prospects for tissue regeneration. <i>Biomedical Materials (Bristol)</i> , <b>2017</b> , 13, 015013	3.5	4
109	Imprinting Chirality in Silica Nanotubes by N-Stearoyl-serine Template. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 23356-61	9.5	12
108	Chiral templating of alumina nanofilms by the atomic layer deposition process. <i>Chemical Communications</i> , <b>2016</b> , 52, 12072-12075	5.8	7
107	Crystallization of amino acids at the chiral ionic liquid/water interface. <i>CrystEngComm</i> , <b>2016</b> , 18, 8769-8775	3.5	9

106	Cysteine sensing by plasmons of silver nanocubes. <i>Journal of Solid State Chemistry</i> , <b>2016</b> , 241, 110-114	3.3	10
105	Enantioselektive nanoporöse Kohlenstoffe aus chiralen ionischen Flüssigkeiten. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 417-421	3.6	4
104	Liquid-Mercury-Supported Langmuir Films of Ionic Liquids: Isotherms, Structure, and Time Evolution. <i>Langmuir</i> , <b>2016</b> , 32, 3164-73	4	9
103	Enantioselective Nanoporous Carbon Based on Chiral Ionic Liquids. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 408-12	16.4	36
102	Directing the Viedma ripening of ethylenediammonium sulfate using "Tailor-made" chiral additives. <i>Chemical Communications</i> , <b>2016</b> , 52, 12626-12629	5.8	15
101	Amino-Acid-Based Polymerizable Surfactants for the Synthesis of Chiral Nanoparticles. <i>Macromolecular Rapid Communications</i> , <b>2016</b> , 37, 1421-6	4.8	9
100	Physical and chemical changes in coal fly ash during acidic or neutral wastes treatment, and its effect on the fixation process. <i>Fuel</i> , <b>2016</b> , 184, 69-80	7.1	20
99	Coal fly ash as a potential fixation reagent for radioactive wastes. <i>Fuel</i> , <b>2015</b> , 153, 437-444	7.1	19
98	Photoinduced electro-optics measurements of biosilica transformation to cristobalite. <i>Journal of Solid State Chemistry</i> , <b>2015</b> , 226, 231-236	3.3	1
97	Chiral imprinting in molten gallium. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 2690-2696	3.6	16
96	Amino-acid-based chiral nanoparticles for enantioselective crystallization. <i>Advanced Materials</i> , <b>2015</b> , 27, 2728-32	24	82
95	Potential of Hazardous Waste Encapsulation in Concrete Compound Combination with Coal Ash and Quarry Fine Additives. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 14146-55	10.3	9
94	Chiral polymeric nanoparticles for aldol reaction. <i>Reactive and Functional Polymers</i> , <b>2015</b> , 96, 1-4	4.6	9
93	Hybrid Organic-Inorganic Perovskites (HOIPs): Opportunities and Challenges. <i>Advanced Materials</i> , <b>2015</b> , 27, 5102-12	24	325
92	Isothermal Titration Calorimetry of Chiral Polymeric Nanoparticles. <i>Chirality</i> , <b>2015</b> , 27, 613-8	2.1	13
91	Atomic layer deposition of enantioselective thin film of alumina on chiral self-assembled-monolayer. <i>Surface Science</i> , <b>2014</b> , 629, 88-93	1.8	10
90	Induced crystallization of amorphous biosilica to cristobalite by silicatein. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 2104-11	3.4	14
89	Advanced Nanoporous Materials: Synthesis, Properties, and Applications. <i>Journal of Nanomaterials</i> , <b>2014</b> , 2014, 1-2	3.2	6

88	Department of Chemistry, Bar-Ilan University (BIU). <i>Israel Journal of Chemistry</i> , <b>2014</b> , 54, 1488-1499	3.4	1
87	Non-magnetic organic/inorganic spin injector at room temperature. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 242408	3.4	52
86	Synthesis of mesoporous SiO <sub>2</sub> /ZnO nanocapsules: encapsulation of small biomolecules for drugs and SiO <sub>2</sub> -plexin for gene delivery. <i>Journal of Nanoparticle Research</i> , <b>2013</b> , 15, 1	2.3	19
85	Chiral thin films of metal oxide. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 10295-301	4.8	11
84	Polymorphism stabilization by crystal adsorption on a self-assembled monolayer. <i>CrystEngComm</i> , <b>2013</b> , 15, 9203	3.3	7
83	Colloidal systems for crystallization processes from liquid phase. <i>CrystEngComm</i> , <b>2013</b> , 15, 2175	3.3	41
82	Self-suppression of biofilm formation in the cyanobacterium <i>Synechococcus elongatus</i> . <i>Environmental Microbiology</i> , <b>2013</b> , 15, 1786-94	5.2	45
81	Biomimetic Crystallization of L-Cystine Hierarchical Structures. <i>Crystal Growth and Design</i> , <b>2012</b> , 12, 4995-5001	3.5	14
80	Synthesis of amino acid block-copolymer imprinted chiral mesoporous silica and its acoustically-induced optical Kerr effects. <i>Journal of Solid State Chemistry</i> , <b>2012</b> , 192, 127-131	3.3	11
79	The effect of sulfated polysaccharides on the crystallization of calcite superstructures. <i>Journal of Crystal Growth</i> , <b>2012</b> , 338, 147-151	1.6	8
78	Crystallization on Self Assembled Monolayers <b>2012</b> ,		1
77	Isothermal titration calorimetry as a new tool to investigate chiral interactions at crystal surfaces. <i>Chemical Communications</i> , <b>2011</b> , 47, 5735-7	5.8	20
76	Effect of solvents on the growth morphology of DL-alanine crystals. <i>CrystEngComm</i> , <b>2011</b> , 13, 502-509	3.3	47
75	Chiral amplification in crystallization under ultrasound radiation. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 11139-42	4.8	24
74	Conglomerate crystallization on self-assembled monolayers. <i>Chemical Communications</i> , <b>2011</b> , 47, 12161-38	3.8	12
73	Entropic effects and slow kinetics revealed in titrations of D <sub>2</sub> O-H <sub>2</sub> O solutions with different D/H ratios. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 5755-63	3.4	12
72	Chiral-mesoporous-polypyrrole nanoparticles: Its chiral recognition abilities and use in enantioselective separation. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 4085		52
71	The structure and phase diagram of chiral alkyl-serine monolayers on mercury. <i>Soft Matter</i> , <b>2010</b> , 6, 526-541	3.4	6

70	Chiral configuration of the hydration layers of D- and L-alanine in water implied from dilution calorimetry. <i>Chirality</i> , <b>2010</b> , 22, 587-92	2.1	13
69	Isothermal calorimetry study of the interactions of type I antifreeze proteins with a lipid model membrane. <i>Protein and Peptide Letters</i> , <b>2010</b> , 17, 739-43	1.9	5
68	Chiral separation abilities: Aspartic acid block copolymer-imprinted mesoporous silica. <i>Microporous and Mesoporous Materials</i> , <b>2010</b> , 129, 82-89	5.3	46
67	Neutron scattering study of water confined in periodic mesoporous organosilicas. <i>Journal of Solid State Chemistry</i> , <b>2010</b> , 183, 1691-1696	3.3	3
66	Investigation of active crystal morphogenesis peptide sequences from peptide libraries by crystallization on peptide functionalized beads. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2010</b> , 354, 218-225	5.1	9
65	Miniemulsion polymerization of cyclodextrin nanospheres for water purification from organic pollutants. <i>European Polymer Journal</i> , <b>2010</b> , 46, 1671-1678	5.2	46
64	Correlation between structures of chiral polymers and their efficiency for chiral resolution by crystallization. <i>Chirality</i> , <b>2009</b> , 21, 862-70	2.1	7
63	Structure of water in mesoporous organosilica by calorimetry and inelastic neutron scattering. <i>Surface Science</i> , <b>2009</b> , 603, 71-77	1.8	10
62	Surface enhanced Raman spectroscopy of aromatic compounds on silver nanoclusters. <i>Surface Science</i> , <b>2009</b> , 603, 788-793	1.8	37
61	Surface-enhanced Raman spectroscopy as a probe for orientation of pyridine compounds on colloidal surfaces. <i>Journal of Molecular Structure</i> , <b>2009</b> , 935, 92-96	3.4	25
60	Langmuir films of chiral molecules on mercury. <i>Langmuir</i> , <b>2009</b> , 25, 5111-9	4	5
59	Chiral silicate zeolites. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 2062		79
58	Enantioselective separation using chiral mesoporous spherical silica prepared by templating of chiral block copolymers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2009</b> , 1, 1834-42	9.5	61
57	Enantioselective crystallization on nanochiral surfaces. <i>Chemical Society Reviews</i> , <b>2009</b> , 38, 772-80	58.5	78
56	Effects of antifreeze protein fragments on the properties of model membranes. <i>Advances in Experimental Medicine and Biology</i> , <b>2009</b> , 611, 85-6	3.6	2
55	Synthesis of dl-Alanine Mesocrystals with a Hollow Morphology. <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 3646-3651	3.6	31
54	Separation of racemate from excess enantiomer of chiral nonracemic compounds via density gradient ultracentrifugation. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 2426-7	16.4	33
53	Enantioselective crystallization in miniemulsions based on chiral surfactants. <i>New Journal of Chemistry</i> , <b>2008</b> , 32, 925	3.6	14

52	Effects antifreeze peptides on the thermotropic properties of a model membrane. <i>Journal of Bioenergetics and Biomembranes</i> , <b>2008</b> , 40, 389-96	3.7	7
51	Stabilization of L-glutamic acid on chiral thin films: theoretical and experimental study. <i>Journal of Crystal Growth</i> , <b>2008</b> , 310, 1718-1724	1.6	13
50	Controlled crystallization of calcium carbonate superstructures in macroemulsions. <i>Journal of Crystal Growth</i> , <b>2008</b> , 310, 3552-3556	1.6	14
49	Relationship between the antifreeze activities and the chemical structures of polyols. <i>Journal of Molecular Structure</i> , <b>2008</b> , 874, 170-177	3.4	5
48	Chiral crystallization of glutamic acid on self assembled films of cysteine. <i>Chirality</i> , <b>2007</b> , 19, 358-65	2.1	32
47	Activity of short segments of Type I antifreeze protein. <i>Biopolymers</i> , <b>2007</b> , 88, 807-14	2.2	18
46	Enantioselective Crystallization on Chiral Polymeric Microspheres. <i>Advanced Functional Materials</i> , <b>2007</b> , 17, 944-950	15.6	70
45	Antifreeze Properties of Polyglycidol Block Copolymers. <i>Macromolecular Rapid Communications</i> , <b>2007</b> , 28, 2256-2261	4.8	25
44	Enantioselective crystallization of histidine on chiral self-assembled films of cysteine. <i>Journal of Colloid and Interface Science</i> , <b>2007</b> , 310, 653-60	9.3	19
43	Controlling Polymorphism by Crystallization on Self-Assembled Multilayers. <i>Crystal Growth and Design</i> , <b>2007</b> , 7, 847-850	3.5	29
42	Templating mesoporous silica with chiral block copolymers and its application for enantioselective separation. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 11105-10	3.4	56
41	Entrapped energy in chiral solutions: quantification and information capacity. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 11004-8	3.4	21
40	Sub-micrometer polarimetry of chiral surfaces using near-field scanning optical microscopy. <i>Chemical Communications</i> , <b>2007</b> , 945-7	5.8	9
39	A microwave route for the synthesis of nanoflakes and dendrites-type beta-In <sub>2</sub> S <sub>3</sub> and their characterization. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2006</b> , 6, 845-51	1.3	22
38	Chiral soluble polymers and microspheres for enantioselective crystallization. <i>Journal of Polymer Science Part A</i> , <b>2006</b> , 44, 3009-3017	2.5	40
37	Thin films of silica-carbon nanocomposites for selective solar absorbers. <i>Applied Surface Science</i> , <b>2005</b> , 248, 514-517	6.7	35
36	Microwave-assisted synthesis of submicrometer GaO(OH) and Ga <sub>2</sub> O <sub>3</sub> rods. <i>Journal of Nanoparticle Research</i> , <b>2004</b> , 6, 509-518	2.3	31
35	Formation and optical properties of gold nanoparticles synthesized in the presence of double-hydrophilic block copolymers. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2004</b> , 4, 291-8	1.3	43

34	Crystallization in Miniemulsion Droplets. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 5088-5094	3.4	119
33	Mesoporous Structures from Supramolecular Assembly of in situ Generated ZnS Nanoparticles. <i>Langmuir</i> , <b>2003</b> , 19, 5904-5911	4	67
32	Binding of Polymers to Calcite Crystals in Water: Characterization by Isothermal Titration Calorimetry. <i>Langmuir</i> , <b>2003</b> , 19, 6097-6103	4	36
31	Sonochemical Deposition of Air-Stable Iron Nanoparticles on Monodispersed Carbon Spherules. <i>Chemistry of Materials</i> , <b>2003</b> , 15, 1378-1384	9.6	82
30	Redox Behavior of Nanostructured Molybdenum Oxide/Mesoporous Silica Hybrid Materials. <i>Chemistry of Materials</i> , <b>2003</b> , 15, 3586-3593	9.6	21
29	The separation of racemic crystals into enantiomers by chiral block copolymers. <i>Chemistry - A European Journal</i> , <b>2002</b> , 8, 2429-37	4.8	54
28	Acoustic Cavitation Leading to the Morphosynthesis of Mesoporous Silica Vesicles. <i>Advanced Materials</i> , <b>2002</b> , 14, 1414-1418	24	172
27	Control over the structure of ice and water by block copolymer additives. <i>ChemPhysChem</i> , <b>2002</b> , 3, 119-232	32	43
26	Silica/Carbon Nanocomposites: A New Concept for the Design of Solar Absorbers. <i>Advanced Functional Materials</i> , <b>2002</b> , 12, 197	15.6	122
25	Formation of Unusual 10-Petal BaSO <sub>4</sub> Structures in the Presence of a Polymeric Additive. <i>Crystal Growth and Design</i> , <b>2002</b> , 2, 191-196	3.5	60
24	Sonochemical synthesis of tungsten sulfide nanorods. <i>Journal of Materials Chemistry</i> , <b>2002</b> , 12, 1450-1452		48
23	Sonochemical synthesis of amorphous Cu and nanocrystalline Cu <sub>2</sub> O embedded in a polyaniline matrix. <i>Journal of Materials Chemistry</i> , <b>2001</b> , 11, 1209-1213		227
22	Preparing a Stable Colloidal Solution of Hydrous YSZ by Sonication. <i>Langmuir</i> , <b>2001</b> , 17, 3223-3226	4	16
21	The vision of Nanochemistry: or is there a promise for specific chemical reactions in nano-restricted environments?. <i>Israel Journal of Chemistry</i> , <b>2001</b> , 41, 1-6	3.4	12
20	TiO <sub>2</sub> Nanocrystalline Pigmented Polyethylene Foils for Radiative Cooling Applications: Synthesis and Characterization. <i>Langmuir</i> , <b>2001</b> , 17, 7118-7123	4	59
19	Deposition of tellurium films by decomposition of electrochemically-generated H <sub>2</sub> Te: application to radiative cooling devices. <i>Thin Solid Films</i> , <b>2000</b> , 370, 101-105	2.2	36
18	Preparation and coating of molybdenum oxide on alumina microspheres by sonochemical method. <i>Journal of Materials Research</i> , <b>2000</b> , 15, 393-401	2.5	8
17	Sonochemical synthesis of lead hydroxy bromide needles. <i>Journal of Materials Chemistry</i> , <b>2000</b> , 10, 2143-2146		26



16	Synthesis of Cobalt(II) hydroxide using ultrasound radiation. <i>Journal of Materials Chemistry</i> , <b>2000</b> , 10, 511-514		62
15	A New Fullerene-like Inorganic Compound Fabricated by the Sonolysis of an Aqueous Solution of $TiCl_3$ . <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 4331-4334	16.4	44
14	Sonohydrolysis of $In^{3+}$ Ions: Formation of Needlelike Particles of Indium Hydroxide. <i>Chemistry of Materials</i> , <b>2000</b> , 12, 1229-1233	9.6	97
13	Preparation and Characteristics of Carbon Nanotubes Filled with Cobalt. <i>Chemistry of Materials</i> , <b>2000</b> , 12, 2205-2211	9.6	113
12	Nanocrystal-Size Control of Electrodeposited Nanocrystalline Semiconductor Films by Surface Capping. <i>Journal of the Electrochemical Society</i> , <b>2000</b> , 147, 1435	3.9	25
11	Sonochemical Synthesis and Characterization of Nanocrystalline Paramelaconite in Polyaniline Matrix. <i>Chemistry of Materials</i> , <b>2000</b> , 12, 3892-3895	9.6	23
10	The Effect of the Preparation Condition of $TiO_2$ Colloids on Their Surface Structures. <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 4130-4133	3.4	170
9	Preparation and characterization of iron-encapsulating carbon nanotubes and nanoparticles. <i>Journal of Materials Chemistry</i> , <b>2000</b> , 10, 2502-2506		47
8	Room Temperature Sonoelectrochemical Synthesis of Molybdenum Sulfide Fullerene-Like Nanoparticles. <i>Advanced Materials</i> , <b>1999</b> , 11, 1010-1013	24	57
7	Band gap determination of semiconductor powders via surface photovoltage spectroscopy. <i>Journal of Applied Physics</i> , <b>1999</b> , 86, 5573-5577	2.5	31
6	Pulsed Sonoelectrochemical Synthesis of Cadmium Selenide Nanoparticles. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 10047-10052	16.4	102
5	Sonochemical Hydrolysis of $Ga^{3+}$ Ions: Synthesis of Scroll-like Cylindrical Nanoparticles of Gallium Oxide Hydroxide. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 4196-4199	16.4	98
4	Sonochemical Coating of Nanosized Nickel on Alumina Submicrospheres and the Interaction between the Nickel and Nickel Oxide with the Substrate. <i>Chemistry of Materials</i> , <b>1999</b> , 11, 2350-2359	9.6	64
3	Olympic Ring Formation from Newly Prepared Barium Hexaferrite Nanoparticle Suspension. <i>Journal of Physical Chemistry B</i> , <b>1999</b> , 103, 3358-3360	3.4	56
2	Size Quantization in Electrodeposited CdTe Nanocrystalline Films. <i>Journal of Physical Chemistry B</i> , <b>1997</b> , 101, 2685-2690	3.4	68
1	Scanning Tunneling Microscope Induced Crystallization of Fullerene-like $MoS_2$ . <i>Journal of the American Chemical Society</i> , <b>1996</b> , 118, 7804-7808	16.4	41