Murali Sastry

List of Publications by Year
in descending order

273 papers	32,932 citations	7096 78 h-index	3915 177 g-index
276 all docs	276 docs citations	276 times ranked	24127 citing authors

#	Article	IF	Citations
1	Size and Shape Directed Novel Green Synthesis of Plasmonic Nanoparticles Using Bacterial Metabolites and Their Anticancer Effects. Frontiers in Microbiology, 2022, 13, 866849.	3.5	5
2	Strategies, Challenges, and Advancement in Immobilizing Silver Nanomaterials. Gels Horizons: From Science To Smart Materials, 2021, , 597-643.	0.3	0
3	Graphene and Graphene Oxide as a Support for Biomolecules in the Development of Biosensors. Nanotechnology, Science and Applications, 2021, Volume 14, 197-220.	4.6	54
4	Machine-Free Polymerase Chain Reaction with Triangular Gold and Silver Nanoparticles. Journal of Physical Chemistry Letters, 2020, 11, 10489-10496.	4.6	11
5	Photomodulated Spatially Confined Chemical Reactivity in a Single Silver Nanoprism. ACS Nano, 2020, 14, 11100-11109.	14.6	21
6	Room temperature synthesis of porous gold nanostructures by controlled transmetallation reaction via chicken egg shell membrane. Materials Chemistry and Physics, 2017, 202, 22-30.	4.0	3
7	Ultra-low level optical detection of mercuric ions using biogenic gold nanotriangles. Analyst, The, 2012, 137, 3083.	3.5	28
8	Cytotoxicity and Cellular Internalization Studies of Biogenic Gold Nanotriangles in Animal Cell Lines. International Journal of Green Nanotechnology, 2011, 3, 251-263.	0.3	12
9	Controlling the assembly of hydrophobized gold nanoparticles at the airâ€“water interface by varying the interfacial tension. Thin Solid Films, 2010, 519, 1072-1077.	1.8	17
10	Halide ion controlled shape dependent gold nanoparticle synthesis with tryptophan as reducing agent: Enhanced fluorescent properties and white light emission. Chemical Physics Letters, 2010, 484, 271-275.	2.6	34
11	Bacterial Synthesis of Photocatalytically Active and Biocompatible TiO2and ZnO Nanoparticles. International Journal of Green Nanotechnology: Physics and Chemistry, 2010, 2, P80-P99.	1.5	11
12	Synthesis of Catalytically Active Porous Platinum Nanoparticles by Transmetallation Reaction and Proposition of the Mechanism. Small, 2009, 5, 1467-1473.	10.0	39
13	Shape and size selective separation of gold nanoclusters by competitive complexation with octadecylamine monolayers at the airâ€“water interface. Journal of Colloid and Interface Science, 2009, 333, 380-388.	9.4	15
14	Preparation of Nearly Monodisperse Nickel Nanoparticles by a Facile Solution Based Methodology and Their Ordered Assemblies. Journal of Physical Chemistry C, 2009, 113, 3426-3429.	3.1	54
15	Probing differential Ag+â€“nucleobase interactions with isothermal titration calorimetry (ITC): Towards patterned DNA metallization. Nanoscale, 2009, 1, 122.	5.6	68
16	Porous Anisotropic Metal Nanostructures Through Controlled Transmetallation Across a Dialysis Membrane. Journal of Nanoscience and Nanotechnology, 2009, 9, 6401-6408.	0.9	0
17	New approach towards imaging Î»-DNA using scanning tunneling microscopy/spectroscopy (STM/STS). Bulletin of Materials Science, 2008, 31, 309-312.	1.7	0
18	Extracellular Synthesis of Crystalline Silver Nanoparticles and Molecular Evidence of Silver Resistance from Morganella sp.: Towards Understanding Biochemical Synthesis Mechanism. ChemBioChem, 2008, 9, 1415-1422.	2.6	261

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19	Invertase-Lipid Biocomposite Films: Preparation, Characterization, and Enzymatic Activity. Biotechnology Progress, 2008, 20, 156-161.	2.6	18
20	Bacteria-Mediated Precursor-Dependent Biosynthesis of Superparamagnetic Iron Oxide and Iron Sulfide Nanoparticles. Langmuir, 2008, 24, 5787-5794.	3.5	184
21	Bacterial synthesis of silicon/silica nanocomposites. Journal of Materials Chemistry, 2008, 18, 2601.	6.7	57
22	Bacterial Enzyme Mediated Biosynthesis of Gold Nanoparticles. Journal of Nanoscience and Nanotechnology, 2007, 7, 4369-4377.	0.9	49
23	Synthesis of Gold Nanorods in Organic Media. Journal of Nanoscience and Nanotechnology, 2007, 7, 2808-2817.	0.9	6
24	Fabrication, Characterization, and Enzymatic Activity of Fungal Proteaseâ€“Nanogold Membrane Bioconjugate. Journal of Nanoscience and Nanotechnology, 2007, 7, 2767-2773.	0.9	2
25	Interaction of Different Metal Ions with Carboxylic Acid Group:â€‰ A Quantitative Study. Journal of Physical Chemistry A, 2007, 111, 6183-6190.	2.5	173
26	Effect of halogen addition to monolayer protected gold nanoparticles. Journal of Materials Chemistry, 2007, 17, 1614.	6.7	46
27	Zirconia Enrichment in Zircon Sand by Selective Fungus-Mediated Bioleaching of Silica. Langmuir, 2007, 23, 4993-4998.	3.5	52
28	Scanning tunneling microscopy/spectroscopy on Au nanoparticles assembled using lauryl amine (LAM) and octadecane thiol (ODT). Applied Surface Science, 2007, 253, 5109-5115.	6.1	1
29	Interfacial deposition of Ag on Au seeds leading to AucoreAgshell in organic media. Journal of Colloid and Interface Science, 2007, 312, 498-505.	9.4	34
30	Spider Silk as an Active Scaffold in the Assembly of Gold Nanoparticles and Application of the Goldâ€“Silk Bioconjugate in Vapor Sensing. Small, 2007, 3, 466-473.	10.0	74
31	Synthesis of triangular Au coreâ€“Ag shell nanoparticles. Materials Research Bulletin, 2007, 42, 1212-1220.	5.2	71
32	Chitosan Reduced Gold Nanoparticles as Novel Carriers for Transmucosal Delivery of Insulin. Pharmaceutical Research, 2007, 24, 1415-1426.	3.5	525
33	Role of Halide Ions and Temperature on the Morphology of Biologically Synthesized Gold Nanotriangles. Langmuir, 2006, 22, 736-741.	3.5	393
34	Room-Temperature Biosynthesis of Ferroelectric Barium Titanate Nanoparticles. Journal of the American Chemical Society, 2006, 128, 11958-11963.	13.7	285
35	Fungus-Mediated Biotransformation of Amorphous Silica in Rice Husk to Nanocrystalline Silica. Journal of the American Chemical Society, 2006, 128, 14059-14066.	13.7	182
36	Gold Nanoparticles as Carriers for Efficient Transmucosal Insulin Delivery. Langmuir, 2006, 22, 300-305.	3.5	208

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37	Assembly of Phase Transferred Nickel Nanoparticles at Airâ€“Water Interface Using Langmuir-Blodgett Technique. Journal of Nanoscience and Nanotechnology, 2006, 6, 3736-3745.	0.9	4
38	Extracellular Biosynthesis of Magnetite using Fungi. Small, 2006, 2, 135-141.	10.0	389
39	Synthesis of Gold Nanotriangles and Silver Nanoparticles Using Aloe vera Plant Extract. Biotechnology Progress, 2006, 22, 577-583.	2.6	1,674
40	Synthesis of Nanolayers of Lead Titanate Ceramics Using Organic Lipid Templates. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2006, 36, 137-141.	0.6	0
41	Construction of conductive multilayer films of biogenic triangular gold nanoparticles and their application in chemical vapour sensing. Nanotechnology, 2006, 17, 2399-2405.	2.6	43
42	Formation of BaCrO₄ NanoCrystallites within Thermally Evaporated Sodium Bisâ€2â€Ethylhexylâ€Sulfosuccinate and Stearic Acid Thin Films. Journal of the American Ceramic Society, 2005, 88, 24-27.	3.8	3
43	Interfacing biology with nanoparticles. Current Applied Physics, 2005, 5, 118-127.	2.4	207
44	Free-Standing Nanogold Membranes as Supports for the Growth of Calcium Phosphate Crystals. Biotechnology Progress, 2005, 21, 1759-1767.	2.6	3
45	Bioleaching of Sand by the FungusFusarium oxysporum as a Means of Producing Extracellular Silica Nanoparticles. Advanced Materials, 2005, 17, 889-892.	21.0	70
46	Hollow Gold and Platinum Nanoparticles by a Transmetalation Reaction in an Organic Solution.. ChemInform, 2005, 36, no.	0.0	1
47	Phase transfer of oleic acid capped NicoreAgshell nanoparticles assisted by the flexibility of oleic acid on the surface of silver. Journal of Colloid and Interface Science, 2005, 283, 422-431.	9.4	43
48	Silver nanoparticles of variable morphology synthesized in aqueous foams as novel templates. Bulletin of Materials Science, 2005, 28, 503-510.	1.7	46
49	Extracellular Biosynthesis of Bimetallic Au-Ag Alloy Nanoparticles. Small, 2005, 1, 517-520.	10.0	417
50	Biosynthesis of Gold and Silver Nanoparticles Using <I>Emblica Officinalis</I> Fruit Extract, Their Phase Transfer and Transmetallation in an Organic Solution. Journal of Nanoscience and Nanotechnology, 2005, 5, 1665-1671.	0.9	536
51	Extra-/Intracellular Biosynthesis of Gold Nanoparticles by an Alkalotolerant Fungus, <I>Trichothecium</I> sp.. Journal of Biomedical Nanotechnology, 2005, 1, 47-53.	1.1	273
52	Synthesis of CdS and Alloyed CdMnS Nanocrystals Using Aqueous Foams. Journal of Nanoscience and Nanotechnology, 2005, 5, 2144-2154.	0.9	4
53	Biocompatibility of Gold Nanoparticles and Their Endocytotic Fate Inside the Cellular Compartment: A Microscopic Overview. Langmuir, 2005, 21, 10644-10654.	3.5	1,479
54	Synthesis of Gold Nanospheres and Nanotriangles by the Turkevich Approach. Journal of Nanoscience and Nanotechnology, 2005, 5, 1721-1727.	0.9	97

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55	Hollow gold and platinum nanoparticles by a transmetallation reaction in an organic solution. Chemical Communications, 2005, , 1684.	4.1	127
56	Using the dynamic, expanding liquidâ€“liquid interface in a Heleâ€“Shaw cell in crystal growth and nanoparticle assembly. Faraday Discussions, 2005, 129, 205-217.	3.2	15
57	New approaches to the synthesis of anisotropic, coreâ€“shell and hollow metal nanostructures. Journal of Materials Chemistry, 2005, 15, 3161.	6.7	69
58	Role of Mg ions in modulating the morphology and structure of CaCO3 crystals grown in aqueous foams. CrystEngComm, 2005, 7, 469.	2.6	8
59	Biological Synthesis of Stable Vaterite Crystals by the Reaction of Calcium Ions with Germinating Chickpea Seeds. Crystal Growth and Design, 2005, 5, 399-402.	3.0	24
60	Heavy-Metal Remediation by a Fungus as a Means of Production of Lead and Cadmium Carbonate Crystals. Langmuir, 2005, 21, 7220-7224.	3.5	76
61	Illustration of HIV-1 Protease Folding through a Molten-Globule-like Intermediate Using an Experimental Model that Implicates l±-Crystallin and Calcium Ions. Biochemistry, 2005, 44, 3725-3734.	2.5	4
62	Keggin Ion Mediated Synthesis of Hydrophobized Pd Nanoparticles for Multifunctional Catalysis. Langmuir, 2005, 21, 2408-2413.	3.5	52
63	Transmetalation Reaction between Hydrophobic Silver Nanoparticles and Aqueous Chloroaurate Ions at the Airâ^'Water Interface. Journal of Physical Chemistry B, 2005, 109, 19620-19626.	2.6	14
64	Cobalt and Magnesium Ferrite Nanoparticles:Â Preparation Using Liquid Foams as Templates and Their Magnetic Characteristics. Langmuir, 2005, 21, 10638-10643.	3.5	72
65	Microbial Nanoparticle Production. , 2005, , 126-135.		53
66	Solvent-Adaptable Silver Nanoparticles. Langmuir, 2005, 21, 822-826.	3.5	48
67	Gold Nanotriangles Biologically Synthesized using Tamarind Leaf Extract and Potential Application in Vapor Sensing. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2005, 35, 19-26.	0.6	412
68	Bacterial Aerobic Synthesis of Nanocrystalline Magnetite. Journal of the American Chemical Society, 2005, 127, 9326-9327.	13.7	190
69	Synthesis of Hydroxyapatite Crystals Using Amino Acid-Capped Gold Nanoparticles as a Scaffold. Langmuir, 2005, 21, 5185-5191.	3.5	58
70	Controlling the Optical Properties of Lemongrass Extract Synthesized Gold Nanotriangles and Potential Application in Infrared-Absorbing Optical Coatings. Chemistry of Materials, 2005, 17, 566-572.	6.7	563
71	Gold Nanoparticle Networks with Photoresponsive Interparticle Spacings. Langmuir, 2005, 21, 7979-7984.	3.5	87
72	Synthesis of gold, silver and their alloy nanoparticles using bovine serum albumin as foaming and stabilizing agent. Journal of Materials Chemistry, 2005, 15, 5115.	6.7	168

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73	Fungus-mediated biosynthesis of silica and titania particles. Journal of Materials Chemistry, 2005, 15, 2583.	6.7	354
74	Porous Gold Nanospheres by Controlled Transmetalation Reaction: A Novel Material for Application in Cell Imaging. Chemistry of Materials, 2005, 17, 5000-5005.	6.7	100
75	Biological synthesis of triangular gold nanoprisms. Nature Materials, 2004, 3, 482-488.	27.5	1,409
76	Immobilization of Candida bombicola Cells on Free-Standing Organic-Gold Nanoparticle Membranes and Their Use as Enzyme Sources in Biotransformations. Biotechnology Progress, 2004, 20, 1817-1824.	2.6	10
77	Enhancing the Reusability of Endoglucanase-Gold Nanoparticle Bioconjugates by Tethering to Polyurethane Microspheres. Biotechnology Progress, 2004, 20, 1840-1846.	2.6	16
78	One Pot, Spontaneous and Simultaneous Synthesis of Gold Nanoparticles in Aqueous and Nonpolar Organic Solvents Using a Diamine-Containing Oxyethylene Linkage. Langmuir, 2004, 20, 295-298.	3.5	33
79	Phase transfer of platinum nanoparticles from aqueous to organic solutions using fatty amine molecules. Journal of Chemical Sciences, 2004, 116, 293-300.	1.5	34
80	Time-dependent complexation of glucose-reduced gold nanoparticles with octadecylamine Langmuir monolayers. Journal of Colloid and Interface Science, 2004, 270, 133-139.	9.4	42
81	Hydrophobic, organically dispersible gold nanoparticles of variable shape produced by the spontaneous reduction of aqueous chloroaurate ions by hexadecylaniline molecules. Journal of Colloid and Interface Science, 2004, 279, 124-131.	9.4	27
82	Scanning tunneling microscopy/spectroscopy of titanium dioxide nanoparticulate film on Au() surface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 232, 11-17.	4.7	12
83	Immobilization and biocatalytic activity of fungal protease on gold nanoparticle-loaded zeolite microspheres. Biotechnology and Bioengineering, 2004, 85, 629-637.	3.3	58
84	Water-dispersible tryptophan-protected gold nanoparticles prepared by the spontaneous reduction of aqueous chloroaurate ions by the amino acid. Journal of Colloid and Interface Science, 2004, 269, 97-102.	9.4	277
85	A low-temperature, soft chemistry method for the synthesis of zirconia nanoparticles in thermally evaporated fatty amine thin films. Journal of Colloid and Interface Science, 2004, 269, 126-130.	9.4	8
86	Formation of platinum nanoparticles at airâ€“water interfaces by the spontaneous reduction of subphase chloroplatinate anions by hexadecylaniline Langmuir monolayers. Journal of Colloid and Interface Science, 2004, 271, 381-387.	9.4	9
87	Immobilization of biogenic gold nanoparticles in thermally evaporated fatty acid and amine thin films. Journal of Colloid and Interface Science, 2004, 274, 69-75.	9.4	38
88	Rapid synthesis of Au, Ag, and bimetallic Au coreâ€“Ag shell nanoparticles using Neem (Azadirachta) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	9.4	2,129
89	Effect of salt on the hybridization of DNA by sequential immobilization of oligonucleotides at the air-water interface in the presence of ODA/DOTAP monolayers. Journal of Colloid and Interface Science, 2004, 276, 77-84.	9.4	19
90	Flat gold nanostructures by the reduction of chloroaurate ions constrained to a monolayer at the airâ€“water interface. Journal of Materials Chemistry, 2004, 14, 709-714.	6.7	24

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91	Foam-based synthesis of cobalt nanoparticles and their subsequent conversion to CocoreAgshell nanoparticles by a simple transmetallation reaction. Journal of Materials Chemistry, 2004, 14, 1057.	6.7	61
92	Variation in morphology of gold nanoparticles synthesized by the spontaneous reduction of aqueous chloroaurate ions by alkylated tyrosine at a liquidâ€“liquid and airâ€“water interface. Journal of Materials Chemistry, 2004, 14, 2696.	6.7	35
93	Isothermal Titration Calorimetry Studies on the Binding of DNA Bases and PNA Base Monomers to Gold Nanoparticles. Journal of the American Chemical Society, 2004, 126, 13186-13187.	13.7	130
94	Isothermal Titration Calorimetry Studies on the Binding of Amino Acids to Gold Nanoparticles. Journal of Physical Chemistry B, 2004, 108, 11535-11540.	2.6	146
95	Free-Standing Nanogold Membranes as Scaffolds for Enzyme Immobilization. Langmuir, 2004, 20, 3717-3723.	3.5	38
96	Highly Versatile Free-Standing Nano-Gold Membranes as Scaffolds for the Growth of Calcium Carbonate Crystals. Chemistry of Materials, 2004, 16, 988-993.	6.7	18
97	Aqueous Foams as Templates for the Synthesis of Calcite Crystal Assemblies of Spherical Morphology. Chemistry of Materials, 2004, 16, 1356-1361.	6.7	34
98	Synthesis and Assembly of CdS Nanoparticles in Keggin Ion Colloidal Particles as Templates. Journal of Physical Chemistry B, 2004, 108, 7126-7131.	2.6	38
99	A facile liquid foam based synthesis of nickel nanoparticles and their subsequent conversion to NicoreAgshell particles: structural characterization and investigation of magnetic properties. Journal of Materials Chemistry, 2004, 14, 2941.	6.7	65
100	Synthesis of Aqueous Au Coreâ”Ag Shell Nanoparticles Using Tyrosine as a pH-Dependent Reducing Agent and Assembling Phase-Transferred Silver Nanoparticles at the Airâ”Water Interface. Langmuir, 2004, 20, 7825-7836.	3.5	334
101	One-Step Synthesis of Ordered Two-Dimensional Assemblies of Silver Nanoparticles by the Spontaneous Reduction of Silver Ions by Pentadecylphenol Langmuir Monolayers. Journal of Physical Chemistry B, 2004, 108, 19269-19275.	2.6	86
102	Biological synthesis of metal carbonate minerals using fungi and actinomycetes. Journal of Materials Chemistry, 2004, 14, 2333.	6.7	50
103	Pt and Pd Nanoparticles Immobilized on Amine-Functionalized Zeolite: Excellent Catalysts for Hydrogenation and Heck Reactions. Chemistry of Materials, 2004, 16, 3714-3724.	6.7	351
104	Use of aqueous foams for the synthesis of gold nanoparticles of variable morphology. Journal of Materials Chemistry, 2004, 14, 43.	6.7	45
105	Keggin ion-mediated synthesis of aqueous phase-pure Au@Pd and Au@Pt coreâ€“shell nanoparticles. Journal of Materials Chemistry, 2004, 14, 2868-2871.	6.7	80
106	Liquid Foam as a Template for the Synthesis of Iron Oxyhydroxide Nanoparticles. Langmuir, 2004, 20, 8853-8857.	3.5	20
107	Biological Synthesis of Strontium Carbonate Crystals Using the FungusFusarium oxysporum. Langmuir, 2004, 20, 6827-6833.	3.5	96
108	Biosynthesis of zirconia nanoparticles using the fungus Fusarium oxysporum. Journal of Materials Chemistry, 2004, 14, 3303.	6.7	375

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109	Electrostatic assembly of nanoparticles. Nanostructure Science and Technology, 2004, , 225-250.	0.1	2
110	Investigation into the Interaction between Surface-Bound Alkylamines and Gold Nanoparticles. Langmuir, 2003, 19, 6277-6282.	3.5	469
111	Intracellular synthesis of gold nanoparticles by a novel alkalotolerant actinomycete,Rhodococcusspecies. Nanotechnology, 2003, 14, 824-828.	2.6	618
112	Lamellar multilayer hexadecylaniline-modified gold nanoparticle films deposited by the Langmuir-Blodgett technique. Journal of Chemical Sciences, 2003, 115, 185-193.	1.5	6
113	On the morphology of SrCO3 crystals grown at the interface between two immiscible liquids. Bulletin of Materials Science, 2003, 26, 283-288.	1.7	13
114	Water-dispersible nanoparticles via interdigitation of sodium dodecylsulphate molecules in octadecylamine-capped gold nanoparticles at a liquid-liquid interface. Journal of Chemical Sciences, 2003, 115, 679-687.	1.5	12
115	Langmuirâ€“Blodgett films of laurylamine-modified hydrophobic gold nanoparticles organized at the airâ€“water interface. Journal of Colloid and Interface Science, 2003, 260, 367-373.	9.4	36
116	Phase transfer of silver nanoparticles from aqueous to organic solutions using fatty amine molecules. Journal of Colloid and Interface Science, 2003, 264, 396-401.	9.4	156
117	Preparation and stabilization of gold nanoparticles formed by in situ reduction of aqueous chloroaurate ions within surface-modified mesoporous silica. Microporous and Mesoporous Materials, 2003, 58, 201-211.	4.4	96
118	Protein diffusion into thermally evaporated lipid films: role of protein charge/mass ratio. Colloids and Surfaces B: Biointerfaces, 2003, 28, 209-214.	5.0	12
119	Extracellular biosynthesis of silver nanoparticles using the fungus Fusarium oxysporum. Colloids and Surfaces B: Biointerfaces, 2003, 28, 313-318.	5.0	1,505
120	Candida bombicola Cells Immobilized on Patterned Lipid Films as Enzyme Sources for the Transformation of Arachidonic Acid to 20-HETE. Biotechnology Progress, 2003, 19, 1659-1663.	2.6	7
121	Geranium Leaf Assisted Biosynthesis of Silver Nanoparticles. Biotechnology Progress, 2003, 19, 1627-1631.	2.6	935
122	Highly Oriented Gold Nanoribbons by the Reduction of Aqueous Chloroaurate Ions by Hexadecylaniline Langmuir Monolayers. Chemistry of Materials, 2003, 15, 17-19.	6.7	79
123	Bioreduction of chloroaurate ions by geranium leaves and its endophytic fungus yields gold nanoparticles of different shapes. Journal of Materials Chemistry, 2003, 13, 1822.	6.7	838
124	Fractal gold nanostructures produced by the spontaneous reduction of chloroaurate ions in thermally evaporated hexadecylaniline thin films. Nanotechnology, 2003, 14, 878-881.	2.6	9
125	Capping of Gold Nanoparticles by the Amino Acid Lysine Renders Them Water-Dispersible. Langmuir, 2003, 19, 3545-3549.	3.5	292
126	Gold Nanoparticles Assembled on Amine-Functionalized Naâ€”Y Zeolite:Â A Biocompatible Surface for Enzyme Immobilization. Langmuir, 2003, 19, 3858-3863.	3.5	90

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127	Biosynthesis of CaCO3Crystals of Complex Morphology Using a Fungus and an Actinomycete. Journal of the American Chemical Society, 2003, 125, 14656-14657.	13.7	108
128	Time-Dependent Complexation of Cysteine-Capped Gold Nanoparticles with Octadecylamine Langmuir Monolayers at the Airâ^'Water Interface. Langmuir, 2003, 19, 9147-9154.	3.5	34
129	Studies on Interaction between Similarly Charged Polyelectrolyte: Fatty Acid System. Langmuir, 2003, 19, 9321-9327.	3.5	12
130	Ca2+â^'Keggin Anion Colloidal Particles as Templates for the Growth of Star-Shaped Calcite Crystal Assemblies. Langmuir, 2003, 19, 10095-10099.	3.5	25
131	BaSO4Crystals Grown at an Expanding Liquidâ^'Liquid Interface in a Radial Hele-Shaw Cell Show Spontaneous Large-Scale Assembly into Filaments. Crystal Growth and Design, 2003, 3, 449-452.	3.0	9
132	SrCO3Crystals of Ribbonlike Morphology Grown within Thermally Evaporated Sodium Bis-2-ethylhexylsulfosuccinate Thin Films. Langmuir, 2003, 19, 888-892.	3.5	50
133	Direct Assembly of Gold Nanoparticle â€œShellsâ€•on Polyurethane Microsphere â€œCoresâ€•and Their Application as Enzyme Immobilization Templates. Chemistry of Materials, 2003, 15, 1944-1949.	6.7	170
134	Thermally Evaporated Aerosol OT Thin Films as Templates for the Room Temperature Synthesis of Aragonite Crystals. Chemistry of Materials, 2003, 15, 2809-2814.	6.7	16
135	Formation of Water-Dispersible Gold Nanoparticles Using a Technique Based on Surface-Bound Interdigitated Bilayers. Langmuir, 2003, 19, 1168-1172.	3.5	124
136	Keggin Ions as UV-Switchable Reducing Agents in the Synthesis of Au Coreâ^'Ag Shell Nanoparticles. Journal of the American Chemical Society, 2003, 125, 8440-8441.	13.7	230
137	Extracellular Biosynthesis of Monodisperse Gold Nanoparticles by a Novel Extremophilic Actinomycete,Thermomonosporasp.. Langmuir, 2003, 19, 3550-3553.	3.5	684
138	Ag+â€“Keggin ion colloidal particles as novel templates for the growth of silver nanoparticle assemblies. Journal of Materials Chemistry, 2003, 13, 3002-3005.	6.7	67
139	Highly organized assembly of barite crystals grown within thermally evaporated AOT thin films. CrystEngComm, 2003, 5, 400.	2.6	2
140	Synthesis of CdS nanoparticles within thermally evaporated aerosol OT thin films. PhysChemComm, 2003, 6, 36.	0.8	12
141	Gold nanosheets via reduction of aqueous chloroaurate ions by anthracene anions bound to a liquidâ€“liquid interface. Chemical Communications, 2003, , 1236-1237.	4.1	29
142	Growth of TiO2 nanoparticles in thermally evaporated fatty amine thin films by a method of ion entrapmentElectronic supplementary information (ESI) available: Fig. S1: XPS F 2p core level spectra recorded from the ODAâ€“TiF6 composite film before (curve 1) and after hydrolysis (curve 2). See http://www.rsc.org/suppdata/jm/b3/b301314f/. Journal of Materials Chemistry, 2003, 13, 1108-1111.	6.7	7
143	Au and Au-Pt bimetallic nanoparticles in M CM-41 materials: applications in co preferential oxidation. Studies in Surface Science and Catalysis, 2003, , 573-576.	1.5	18
144	A New Method for the Synthesis of Hydrophobic Gold Nanotapes. Journal of Nanoscience and Nanotechnology, 2003, 3, 372-374.	0.9	1

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145	Electrostatically entrapped DNA molecules in lipid thin films as templates for thein situgrowth of silver nanoparticles. Nanotechnology, 2002, 13, 597-600.	2.6	18
146	Synthesis of nanoscale Fe-Ag alloy within thermally evaporated fatty acid films. Nanotechnology, 2002, 13, 103-107.	2.6	6
147	Quasi-linear Assemblies of Silver Nanoparticles by Highly Localized Anodic Dissolution of Copper in the Hydrosol. Journal of Nanoscience and Nanotechnology, 2002, 2, 147-150.	0.9	2
148	Interaction of Xylanase I with a Fatty Lipid Matrix:Â Fabrication, Characterization, and Enzymatic Activity of the Enzymeâ^'Fatty Lipid Composite Films. Langmuir, 2002, 18, 9494-9501.	3.5	5
149	PNAâ^'DNA Hybridization at the Airâ^'Water Interface in the Presence of Octadecylamine Langmuir Monolayers. Langmuir, 2002, 18, 6307-6311.	3.5	19
150	Morphology of BaSO4 Crystals Grown on Templates of Varying Dimensionality:â€‰ The Case of Cysteine-Capped Gold Nanoparticles (0-D), DNA (1-D), and Lipid Bilayer Stacks (2-D). Crystal Growth and Design, 2002, 2, 197-203.	3.0	37
151	Synthesis of Ag/Pd Nanoparticles and Their Low-Temperature Alloying within Thermally Evaporated Fatty Acid Films. Journal of Physical Chemistry B, 2002, 106, 297-302.	2.6	47
152	Electrostatic Assembly of Nanoparticles and Biomacromolecules. Accounts of Chemical Research, 2002, 35, 847-855.	15.6	184
153	Intermetallic Phase Transformations during Low-Temperature Heat Treatment of Al/Ni Nanoparticles Synthesized within Thermally Evaporated Fatty Acid Films. Nano Letters, 2002, 2, 365-368.	9.1	6
154	Low temperature alloying of Cu and Ni nanoparticles formed within thermally evaporated fatty acid films. Journal of Materials Chemistry, 2002, 12, 1860-1864.	6.7	15
155	Growth of Calcium Carbonate Crystals within Fatty Acid Bilayer Stacks. Langmuir, 2002, 18, 6075-6080.	3.5	56
156	Benzene- and Anthracene-Mediated Assembly of Gold Nanoparticles at the Liquidâ^'Liquid Interface. Langmuir, 2002, 18, 6478-6483.	3.5	108
157	Characterization and Catalytic Activity of Gold Nanoparticles Synthesized by Autoreduction of Aqueous Chloroaurate Ions with Fumed Silica. Chemistry of Materials, 2002, 14, 1678-1684.	6.7	107
158	A new method for the synthesis of hydrophobized, catalytically active Pt nanoparticles. Chemical Communications, 2002, , 3002-3003.	4.1	34
159	Influence of alcohol on the morphology of BaSO4crystals grown at the airâ€“water interface. CrystEngComm, 2002, 4, 626-630.	2.6	11
160	One-step synthesis of hydrophobized gold nanoparticles of controllable size by the reduction of aqueous chloroaurate ions by hexadecylaniline at the liquidâ€“liquid interface. Chemical Communications, 2002, , 1334-1335.	4.1	92
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