

One-Dimensional Assemblies of Nanoparticles: Preparation

Advanced Materials

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Subnanometer-sized Gold Clusters with Dual Molecular Receptors: Synthesis and Assembly in One-dimensional Arrangements. <i>Chemistry Letters</i> , 2005, 34, 1638-1639.	0.7	21
2	Electric Field-Induced Chaining of Au/Aniline Polymeric Particle Pairs and TEM Characterization. <i>ChemPhysChem</i> , 2005, 6, 2485-2488.	1.0	6
3	One-Dimensional Plasmon Coupling by Facile Self-Assembly of Gold Nanoparticles into Branched Chain Networks. <i>Advanced Materials</i> , 2005, 17, 2553-2559.	11.1	408
4	One-Dimensional Assemblies of Nanoparticles: Preparation, Properties, and Promise. <i>ChemInform</i> , 2005, 36, no.	0.1	1
5	Hierarchical Nanoparticle/Block Copolymer Surface Features via Synergistic Self-Assembly at the Air-Water Interface. <i>Langmuir</i> , 2005, 21, 10297-10300.	1.6	50
6	Growth and Assembly of Crystalline Tungsten Oxide Nanostructures Assisted by Bioligation. <i>Journal of the American Chemical Society</i> , 2005, 127, 15595-15601.	6.6	213
7	One-Dimensional Assembly of Chalcogenide Nanoclusters with Bifunctional Covalent Linkers. <i>Journal of the American Chemical Society</i> , 2005, 127, 14990-14991.	6.6	94
8	Amphiphilic Gold Nanoparticles with V-Shaped Arms. <i>Journal of the American Chemical Society</i> , 2006, 128, 4958-4959.	6.6	145
9	Microwave-Assisted Single-Step Functionalization and in Situ Derivatization of Carbon Nanotubes with Gold Nanoparticles. <i>Chemistry of Materials</i> , 2006, 18, 1390-1393.	3.2	150
10	Near-field optical properties of top-down and bottom-up nanostructures. <i>Journal of Optics</i> , 2006, 8, S73-S86.	1.5	44
11	Propeller-like Multicomponent Microstructures: Self-Assemblies of Nanoparticles of Poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 34	1.2	38
12	Polyelectrolyte Stabilized Nanowires from Fe ₃ O ₄ Nanoparticles via Magnetic Field Induced Self-Assembly. <i>Chemistry of Materials</i> , 2006, 18, 591-593.	3.2	122
13	Sonochemical synthesis of PbWO ₄ crystals with dendritic, flowery and star-like structures. <i>Nanotechnology</i> , 2006, 17, 2614-2620.	1.3	76
14	Patterning Lines by Capillary Flows. <i>Nano Letters</i> , 2006, 6, 271-276.	4.5	41
15	Amphiphilicity-Driven Organization of Nanoparticles into Discrete Assemblies. <i>Journal of the American Chemical Society</i> , 2006, 128, 15098-15099.	6.6	164
16	Ligand and solvent effects in the nonaqueous synthesis of highly ordered anisotropic tungsten oxide nanostructures. <i>Journal of Materials Chemistry</i> , 2006, 16, 3969.	6.7	61
18	Synthesis of nanoparticle-assembled tin oxide/polymer microcapsules. <i>Chemical Communications</i> , 2006, , 1097.	2.2	44
19	One-Pot Synthesis of Poly(cyclotriphosphazene-co-4,4'-sulfonyldiphenol) Nanotubes via an In Situ Template Approach. <i>Advanced Materials</i> , 2006, 18, 2997-3000.	11.1	167

#	ARTICLE	IF	CITATIONS
20	Facile synthesis of micrometer-sized gold nanoplates through an aniline-assisted route in ethylene glycol solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 278, 33-38.	2.3	82
21	Particleâ€”Wireâ€”Tube Mechanism for Carbon Nanotube Evolution. <i>Journal of the American Chemical Society</i> , 2006, 128, 15405-15414.	6.6	49
22	Imperfect oriented attachment: Direct activation of high-temperature ferromagnetism in diluted magnetic semiconductor nanocrystals. <i>Applied Physics Letters</i> , 2006, 88, 223108.	1.5	49
23	Oriented attachment and mesocrystals: Non-classical crystallization mechanisms based on nanoparticle assembly. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 3271-3287.	1.3	1,023
24	Self-Organized Monolayer of Nanosized Ceria Colloids Stabilized by Poly(vinylpyrrolidone). <i>Journal of Physical Chemistry B</i> , 2006, 110, 5994-6000.	1.2	168
25	Formation of Silver Nanoparticles at the Airâ€”Water Interface Mediated by a Monolayer of Functionalized Hyperbranched Molecules. <i>Langmuir</i> , 2006, 22, 1027-1037.	1.6	48
26	In-Situ Formation of Silver Nanoparticles with Tunable Spatial Distribution at the Poly(N-isopropylacrylamide) Corona of Unimolecular Micelles. <i>Macromolecules</i> , 2006, 39, 8451-8455.	2.2	98
27	Controlled synthesis of novel 3D dendritic Bi ₂ S ₃ /cross-linked poly(vinyl alcohol) nanocomposites. <i>Nanotechnology</i> , 2006, 17, 4999-5005.	1.3	8
28	Chapter 3 Preparation of colloidal metal particles. <i>Studies in Interface Science</i> , 2006, , 137-223.	0.0	1
29	Hydrothermal growth and gas sensing property of flower-shaped SnS ₂ nanostructures. <i>Nanotechnology</i> , 2006, 17, 2918-2924.	1.3	183
30	Nanotubings of titania/polymer composite: template synthesis and nanoparticle inclusion. <i>Journal of Materials Chemistry</i> , 2006, 16, 4257.	6.7	20
31	Directing the self-assembly of nanocrystals beyond colloidal crystallization. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 3288-3299.	1.3	101
32	Ag and Au Monometallic and Bimetallic Colloids:â€” Morphogenesis in Amphiphilic Block Copolymer Solutions. <i>Chemistry of Materials</i> , 2006, 18, 2577-2583.	3.2	81
33	Novel dendritic nanostructures: self-assemblies of nanoparticles of poly(vinyl alcohol) coated Ag and/or Cu ₂ O. <i>Nanotechnology</i> , 2006, 17, 1948-1953.	1.3	12
34	Synthesis of Dumbbell-Shaped Manganese Oxide Nanocrystals. <i>Journal of Physical Chemistry B</i> , 2006, 110, 2-4.	1.2	68
35	Magnetically Assisted and Accelerated Self-Assembly of Strawberry-like Nano/Microparticlesâ€”. <i>Journal of Physical Chemistry B</i> , 2006, 110, 19929-19934.	1.2	12
36	Self-Assembly of Nanoparticles into Rings:â€” A Lattice-Gas Model. <i>Journal of Physical Chemistry B</i> , 2006, 110, 20965-20972.	1.2	59
37	Spontaneous Transformation of CdTe Nanoparticles into Angled Te Nanocrystals:â€” 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

#	ARTICLE	IF	CITATIONS
38	Controlled decoration of carbon nanotubes with nanoparticles. <i>Nanotechnology</i> , 2006, 17, 2891-2894.	1.3	55
39	Noncovalent nanoarchitectures on surfaces: from 2D to 3D nanostructures. <i>Journal of Materials Chemistry</i> , 2006, 16, 3997.	6.7	74
40	Printed Arrays of Aligned GaAs Wires for Flexible Transistors, Diodes, and Circuits on Plastic Substrates. <i>Small</i> , 2006, 2, 1330-1334.	5.2	76
41	Formation of CdS Nanoparticle Necklaces with Functionalized Dendronized Polymers. <i>Small</i> , 2006, 2, 1314-1319.	5.2	34
42	Surface-Tension-Driven Patterning: Combining Tailored Physical Self-Organization with Microfabrication Methods. <i>Small</i> , 2006, 2, 832-834.	5.2	17
43	Complex Langmuir-Blodgett films from silica nanoparticles: An optical spectroscopy study. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 278, 10-16.	2.3	45
44	Synthesis and bundle-like assemblies of LaPO ₄ nanofibers in reverse micelles system. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 280, 103-107.	2.3	7
45	Direct observation of dynamic shape transformation and coalescence in platinum nanosheets on graphite surface at room temperature by time-resolved AFM. <i>Applied Surface Science</i> , 2006, 253, 1512-1516.	3.1	5
46	Structure and bonding in cyclic thiolate complexes of copper, silver and gold. <i>Polyhedron</i> , 2006, 25, 2993-3005.	1.0	26
47	One-dimensional assemblies of platinum nanoparticles on a graphite surface using nonionic/ionized mixed hemicylindrical micelle templates. <i>Journal of Colloid and Interface Science</i> , 2006, 300, 149-154.	5.0	12
48	From Cd(OH) ₂ nanoflakes to CdSe nanochains: Synthesis and characterization. <i>Journal of Crystal Growth</i> , 2006, 286, 228-234.	0.7	23
49	Controlled growth of alpha-FeOOH nanorods by exploiting-oriented aggregation. <i>Journal of Crystal Growth</i> , 2006, 293, 1-4.	0.7	95
50	The selective synthesis of water-soluble highly luminescent CdTe nanoparticles and nanorods: The influence of the precursor Cd/Te molar ratio. <i>Journal of Crystal Growth</i> , 2006, 296, 141-149.	0.7	38
51	Self-Assembly of CdTe Nanocrystals into Free-Floating Sheets. <i>Science</i> , 2006, 314, 274-278.	6.0	824
52	On-chip micromanipulation and assembly of colloidal particles by electric fields. <i>Soft Matter</i> , 2006, 2, 738.	1.2	300
53	Preparation, characterization and photocatalytic activity of novel TiO ₂ nanoparticle-coated titanate nanorods. <i>Journal of Molecular Catalysis A</i> , 2006, 253, 99-106.	4.8	33
54	Facile preparation of Ag-Au bimetallic nanonetworks. <i>Materials Letters</i> , 2006, 60, 1983-1986.	1.3	15
55	Template-Free Synthesis and Assembly of Single-Crystalline Tungsten Oxide Nanowires and their Gas-Sensing Properties. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 261-265.	7.2	325

#	ARTICLE	IF	CITATIONS
56	Label-Free Affinity Assays by Rapid Detection of Immune Complexes in Submicrometer Pores. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2281-2285.	7.2	88
57	Magnetic-Dipolar-Interaction-Induced Self-Assembly Affords Wires of Hollow Nanocrystals of Cobalt Selenide. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 1220-1223.	7.2	220
58	Synthesis of Conjugated Polymer Nanoparticles in Non-Aqueous Emulsions. <i>Macromolecular Rapid Communications</i> , 2006, 27, 586-593.	2.0	77
62	Out-of-Equilibrium Self-Assembly of Binary Mixtures of Nanoparticles. <i>Advanced Materials</i> , 2006, 18, 565-571.	11.1	34
63	Multiwalled Carbon Nanotubes Beaded with ZnO Nanoparticles for Ultrafast Nonlinear Optical Switching. <i>Advanced Materials</i> , 2006, 18, 587-592.	11.1	219
64	Self-assembly of cinnamic acid-capped gold nanoparticles. <i>Nanotechnology</i> , 2006, 17, 2907-2912.	1.3	32
65	A simple solution route to controlled synthesis of ZnS microspheres, nanosheets and nanorods. <i>Nanotechnology</i> , 2006, 17, 4731-4735.	1.3	34
66	Bound whispering gallery modes in circular arrays of dielectric spherical particles. <i>Physical Review E</i> , 2006, 73, 066614.	0.8	25
67	Biological applications of functionalized carbon nanoparticles. , 2006, , 265-276.		1
68	SnO ₂ Pinning: An Approach to Enhance the Electrochemical Properties of Nanocrystalline CuFe ₂ O ₄ for Lithium-Ion Batteries. <i>Electrochemical and Solid-State Letters</i> , 2006, 9, A390.	2.2	21
69	Bound Whispering Gallery Modes in Circular Arrays of Dielectric Spherical Particles. , 2007, , .		1
70	Nanomaterial Based Affinity Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry for Biomolecules and Pathogenic Bacteria. <i>Recent Patents on Nanotechnology</i> , 2007, 1, 99-111.	0.7	27
71	Formation of one-dimensional nanoparticle chains. <i>Applied Physics Letters</i> , 2007, 91, 063119.	1.5	9
72	Directed assembly of gold nanoparticle nanowires and networks for nanodevices. <i>Applied Physics Letters</i> , 2007, 91, 063101.	1.5	46
73	Bio-inspired Mineralization Using Hydrophilic Polymers. , 2006, , 1-77.		118
74	Investigation on Chaining of Au/Aniline Polymerid Nanocomposites with Different Electrodes Configuration and Characterization. <i>Solid State Phenomena</i> , 2007, 121-123, 755-758.	0.3	0
75	Bound whispering gallery modes in circular arrays of dielectric spherical particles. , 2007, , .		3
77	Optical modes in linear arrays of dielectric spherical particles: a numerical investigation. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
78	Substrate- and Time-Dependent Photoluminescence of Quantum Dots Inside the Ultrathin Polymer LbL Film. <i>Langmuir</i> , 2007, 23, 4509-4515.	1.6	62
79	ANISOTROPIC ASSEMBLY OF COLLOIDAL NANOPARTICLES: EXPLOITING SUBSTRATE CRYSTALLINITY. <i>Nano</i> , 2007, 02, 361-365.	0.5	3
80	Divalent Metal Nanoparticles. <i>Science</i> , 2007, 315, 358-361.	6.0	600
81	Simulation Study of Dipole-Induced Self-Assembly of Nanocubes. <i>Journal of Physical Chemistry C</i> , 2007, 111, 4132-4137.	1.5	80
82	Interparticle Coupling Effect on the Surface Plasmon Resonance of Gold Nanoparticles: From Theory to Applications. <i>Chemical Reviews</i> , 2007, 107, 4797-4862.	23.0	2,396
83	pH-Controlled Reversible Assembly of Peptide-Functionalized Gold Nanoparticles. <i>Langmuir</i> , 2007, 23, 190-195.	1.6	107
84	Orientated Attachment Assisted Self-Assembly of Sb ₂ O ₃ Nanorods and Nanowires: End-to-End versus Side-by-Side. <i>Journal of Physical Chemistry C</i> , 2007, 111, 5325-5330.	1.5	79
85	Shape-controlled assembly of luminescent dumbbell-like CdTe/cystine nanocomposites. <i>Nanotechnology</i> , 2007, 18, 455701.	1.3	23
86	Entropy-Mediated Patterning of Surfactant-Coated Nanoparticles and Surfaces. <i>Physical Review Letters</i> , 2007, 99, 226106.	2.9	240
87	Synthesis and Self-Assembly of Polymer-Coated Ferromagnetic Nanoparticles. <i>ACS Nano</i> , 2007, 1, 279-292.	7.3	158
88	Optical Modes in Linear Arrays of Dielectric Spherical Particles: A Numerical Investigation. , 2007, , .		0
89	Fabrication of Two-Dimensional ZnO Nanostructures from Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2007, 111, 17213-17220.	1.5	20
90	CdTe Nanowire Networks: Fast Self-Assembly in Solution, Internal Structure, and Optical Properties. <i>Journal of Physical Chemistry C</i> , 2007, 111, 18927-18931.	1.5	47
91	Three-Dimensional PtRu Nanostructures. <i>Chemistry of Materials</i> , 2007, 19, 36-41.	3.2	123
92	Optically Transparent Conductive Network Formation Induced by Solvent Evaporation from Tin-Oxide-Nanoparticle Suspensions. <i>Langmuir</i> , 2007, 23, 7990-7994.	1.6	20
93	Controllable Organization of Quantum Dots into Mesoscale Wires and Cables via Interfacial Block Copolymer Self-Assembly. <i>Macromolecules</i> , 2007, 40, 2046-2057.	2.2	39
94	Highly Aligned Ribbon-Shaped Pd Nanoparticle Assemblies by Spontaneous Organization. <i>Journal of Physical Chemistry C</i> , 2007, 111, 7666-7670.	1.5	10
95	A Systematic Study of the Stabilization in Water of Gold Nanoparticles by Poly(Ethylene Terephthalate). <i>Journal of Physical Chemistry C</i> , 2007, 111, 7273-7279.	1.5	59

#	ARTICLE	IF	CITATIONS
96	High-Yield Synthesis of Complex Gold Nanostructures in a Fungal System. <i>Journal of Physical Chemistry C</i> , 2007, 111, 16858-16865.	1.5	103
97	General Method for Extended Metal Nanowire Synthesis: Ethanol Induced Self-Assembly. <i>Journal of Physical Chemistry C</i> , 2007, 111, 17158-17162.	1.5	32
98	Fabrication of Multiplex Quasi-Three-Dimensional Grids of One-Dimensional Nanostructures via Stepwise Colloidal Lithography. <i>Nano Letters</i> , 2007, 7, 3410-3413.	4.5	41
99	Self-Organization of Te Nanorods into V-Shaped Assemblies: A Brownian Dynamics Study and Experimental Insights. <i>ACS Nano</i> , 2007, 1, 126-132.	7.3	20
100	One-Dimensional Assembly of Peptide-Functionalized Gold Nanoparticles: An Approach Toward Mercury Ion Sensing. <i>Journal of Physical Chemistry C</i> , 2007, 111, 1248-1255.	1.5	131
101	Synthesis of Ag and Au nanostructures in an ionic liquid: thermodynamic and kinetic effects underlying nanoparticle, cluster and nanowire formation. <i>Journal of Materials Chemistry</i> , 2007, 17, 2241.	6.7	69
102	Photoluminescence of a Freely Suspended Monolayer of Quantum Dots Encapsulated into Layer-by-Layer Films. <i>Langmuir</i> , 2007, 23, 10176-10183.	1.6	44
104	Hierarchical Nanomanufacturing: From Shaped Zeolite Nanoparticles to High-Performance Separation Membranes. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7560-7573.	7.2	323
105	Formation of Titania/Silica Hybrid Nanowires Containing Linear Mesopore Arrays by Evaporation-Induced Block Copolymer Self-Assembly and Atomic Layer Deposition. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6829-6832.	7.2	26
108	UV-Light-Driven Immobilization of Surface-Functionalized Oxide Nanocrystals onto Silicon. <i>Advanced Functional Materials</i> , 2007, 17, 201-211.	7.8	26
109	Deformation of Top-Down and Bottom-Up Silver Nanowires. <i>Advanced Functional Materials</i> , 2007, 17, 43-53.	7.8	140
110	Polarization Properties and Switchable Assembly of Ultranarrow ZnSe Nanorods. <i>Advanced Materials</i> , 2007, 19, 1105-1108.	11.1	60
111	Necklace-Like Noble-Metal Hollow Nanoparticle Chains: Synthesis and Tunable Optical Properties. <i>Advanced Materials</i> , 2007, 19, 2172-2176.	11.1	120
112	Hierarchical Polymer-Nanotube Composites. <i>Advanced Materials</i> , 2007, 19, 3850-3853.	11.1	57
113	Analysis of Al ₂ O ₃ Atomic Layer Deposition on ZrO ₂ Nanoparticles in a Rotary Reactor. <i>Chemical Vapor Deposition</i> , 2007, 13, 491-498.	1.4	63
114	Surfactant-Assisted Synthesis and Characterization of Novel Chain-Like CoNi Alloy Assemblies. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 3947-3951.	1.0	70
115	Controlling the aggregation behavior of gold nanoparticles. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2007, 140, 172-176.	1.7	77
116	Polymer-mediated chain-like self-assembly of functionalized gold nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2007, 307, 288-295.	5.0	32

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117	Synthesis of one-dimensional silver oxide nanoparticle arrays and silver nanorods templated by Langmuir monolayers. <i>Journal of Colloid and Interface Science</i> , 2007, 314, 297-303.	5.0	25
118	3D flower-like Y ₂ O ₃ :Eu ³⁺ nanostructures: Template-free synthesis and its luminescence properties. <i>Journal of Colloid and Interface Science</i> , 2007, 316, 921-929.	5.0	67
119	Controlled Assembly of Spherical Nanoparticles: Nanowires and Spherulites. <i>Small</i> , 2007, 3, 628-635.	5.2	21
120	Exciton-plasmon interactions in molecular spring assemblies of nanowires and wavelength-based protein detection. <i>Nature Materials</i> , 2007, 6, 291-295.	13.3	315
121	Synthesis and characterization of Bi ₂ S ₃ nanorods by solvothermal method in polyol media. <i>Materials Letters</i> , 2007, 61, 1667-1670.	1.3	27
122	Silica shell cemented anisotropic architecture of Fe ₃ O ₄ beads via magnetic-field-induced self-assembly. <i>Scripta Materialia</i> , 2007, 56, 677-680.	2.6	20
123	Formation of mismatched layers in pentagonal nanorods. <i>Physica Status Solidi - Rapid Research Letters</i> , 2007, 1, 271-273.	1.2	16
124	Lab-in-a-drop: controlled self-assembly of CdSe/ZnS quantum dots and quantum rods into polycrystalline nanostructures with desired optical properties. <i>Nanotechnology</i> , 2007, 18, 185602.	1.3	23
125	Monofunctional gold nanoparticles: synthesis and applications. <i>Journal of Nanoparticle Research</i> , 2007, 9, 1013-1025.	0.8	48
126	Shear-induced 1-D alignment of alumina nanoparticles in coatings. <i>Journal of Coatings Technology Research</i> , 2007, 4, 107-110.	1.2	21
127	Co-B amorphous alloy nanochains with enhanced magnetization and electrochemical activity prepared in a biphasic system. <i>Applied Surface Science</i> , 2008, 254, 7516-7521.	3.1	18
128	Estimation of contact area of nanoparticles in chains using continuum elastic contact mechanics. <i>Journal of Nanoparticle Research</i> , 2008, 10, 163-169.	0.8	56
129	Hydrothermal synthesis of one-dimensional assemblies of Pt nanoparticles and their sensor application for simultaneous determination of dopamine and ascorbic acid. <i>Journal of Nanoparticle Research</i> , 2008, 10, 255-262.	0.8	17
130	p-Aminoacetanilide mediated formation of assembly of Au nanoparticles. <i>Journal of Chemical Sciences</i> , 2008, 120, 547-555.	0.7	6
131	Self-assembled films of cellulose nanofibrils and poly(o-ethoxyaniline). <i>Colloid and Polymer Science</i> , 2008, 286, 1265-1272.	1.0	24
132	Nanostructured Surfaces and Assemblies as SERS Media. <i>Small</i> , 2008, 4, 1576-1599.	5.2	726
133	One-step preparation of hybrid materials of polyacrylamide networks and gold nanoparticles. <i>Microscopy Research and Technique</i> , 2008, 71, 409-412.	1.2	11
134	Sonochemical Synthesis under a Magnetic Field: Fabrication of Nickel and Cobalt Particles and Variation of Their Physical Properties. <i>Chemistry - A European Journal</i> , 2008, 14, 10115-10122.	1.7	35

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135	Self-Assembling Nanoparticles at Surfaces and Interfaces. <i>ChemPhysChem</i> , 2008, 9, 20-42.	1.0	380
136	Reversible Self-Assembly of Carboxylated Peptide-Functionalized Gold Nanoparticles Driven by Metal-Ion Coordination. <i>ChemPhysChem</i> , 2008, 9, 1578-1584.	1.0	58
137	The Oriented Self-Assembly of Magnetic Fe ₃ O ₄ Nanoparticles into Monodisperse Microspheres and Their Use as Substrates in the Formation of Fe ₃ O ₄ Nanorods. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 425-431.	1.0	66
138	Synthesis of Ultrathin Palladium and Platinum Nanowires and a Study of Their Magnetic Properties. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2055-2058.	7.2	116
139	Large-Scale Synthesis of Ultrathin Bi ₂ S ₃ Necklace Nanowires. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 3814-3817.	7.2	138
140	Controlled Synthesis of Ag ₂ S, Ag ₂ Se, and Ag Nanofibers by Using a General Sacrificial Template and Their Application in Electronic Device Fabrication. <i>Advanced Functional Materials</i> , 2008, 18, 1249-1256.	7.8	100
141	The Effect of Stabilizer Density on Transformation of CdTe Nanoparticles Induced by Ag Cations. <i>Advanced Functional Materials</i> , 2008, 18, 3801-3808.	7.8	28
142	Self-Assembly and Metallization of Resorcinarene Microtubes in Water. <i>Advanced Functional Materials</i> , 2008, 18, 3981-3990.	7.8	39
143	Laterally Spaced Linear Nanoparticle Arrays Templated by Laminated I ₂ Sheet Fibrils. <i>Advanced Materials</i> , 2008, 20, 447-451.	11.1	69
144	Plasmon Coupling in Dimers of Au Nanorods. <i>Advanced Materials</i> , 2008, 20, 4300-4305.	11.1	172
145	Magnetic Iron Oxide Nanoworms for Tumor Targeting and Imaging. <i>Advanced Materials</i> , 2008, 20, 1630-1635.	11.1	516
148	Acetanilide mediated reversible assembly and disassembly of Au nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2008, 324, 230-235.	5.0	3
149	Two strategies for the self-assembly of gold nanoparticles: Photoreaction and radical reaction. <i>Journal of Colloid and Interface Science</i> , 2008, 327, 211-215.	5.0	5
150	Nonaqueous synthesis of metal oxide nanoparticles: Short review and doped titanium dioxide as case study for the preparation of transition metal-doped oxide nanoparticles. <i>Journal of Solid State Chemistry</i> , 2008, 181, 1571-1581.	1.4	94
151	Linear assembly of hexadecanethiol coated gold nanoparticles. <i>Chemical Physics Letters</i> , 2008, 454, 345-349.	1.2	14
152	Solid-phase transformation of glass-like carbon nanoparticles into nanotubes and the related mechanism. <i>Carbon</i> , 2008, 46, 92-98.	5.4	17
153	Gold nanoparticles self-assembled onto passivated glass substrates: Tuning the transition from 2D to 1D structures. <i>Superlattices and Microstructures</i> , 2008, 44, 608-616.	1.4	11
154	DNA-guided crystallization of colloidal nanoparticles. <i>Nature</i> , 2008, 451, 549-552.	13.7	1,420

#	ARTICLE	IF	CITATIONS
155	Surfactant-assisted hydrothermal synthesis of chains self-assembled by cobalt microspheres. <i>Materials Research Bulletin</i> , 2008, 43, 1957-1965.	2.7	17
156	Fabrication of Polyacrylonitrile/polypyrrole (PAN/Ppy) composite nanofibres and nanospheres with core-shell structures by electrospinning. <i>Materials Letters</i> , 2008, 62, 1155-1158.	1.3	23
157	Solvent-assisted self-assembly of amphiphilic polymer/surfactant complexes. <i>Materials Letters</i> , 2008, 62, 2762-2765.	1.3	3
158	Facile synthesis and characterization of hydroxylapatite nanoparticle chains. <i>Materials Letters</i> , 2008, 62, 3824-3826.	1.3	8
159	Synthesis and characterization of octahedral PbF ₂ . <i>Materials Letters</i> , 2008, 62, 4322-4324.	1.3	4
160	Synthesis of short palladium nanoparticle chains and their application in catalysis. <i>Solid State Sciences</i> , 2008, 10, 1327-1332.	1.5	20
161	A single-step synthesis of gold nanochains using an amino acid as a capping agent and characterization of their optical properties. <i>Nanotechnology</i> , 2008, 19, 075601.	1.3	77
162	Immobilization of Silver Nanoparticles on Responsive Polymer Brushes. <i>Macromolecules</i> , 2008, 41, 2874-2879.	2.2	104
163	Morphological Transformation of Fe ₃ O ₄ Spherical Aggregates from Solid to Hollow and Their Self-Assembly under an External Magnetic Field. <i>Journal of Physical Chemistry C</i> , 2008, 112, 666-671.	1.5	158
164	ONE-AND TWO-DIMENSIONAL ASSEMBLIES OF NANOPARTICLES: MECHANISMS OF FORMATION AND FUNCTIONALITY. <i>Annual Review of Nano Research</i> , 2008, , 345-375.	0.2	0
165	Challenges and breakthroughs in recent research on self-assembly. <i>Science and Technology of Advanced Materials</i> , 2008, 9, 014109.	2.8	695
166	Organic chemistry in inorganic nanomaterials synthesis. <i>Journal of Materials Chemistry</i> , 2008, 18, 1171-1182.	6.7	119
167	Asymmetrically Functionalized Gold Nanoparticles Organized in One-Dimensional Chains. <i>Nano Letters</i> , 2008, 8, 731-736.	4.5	132
168	Organic Solvent-Induced Crystallization of Water-Soluble Inorganic Salt of Na ₃ Au(SO ₃) ₂ into Ultralong Nanobelts on a Large Scale. <i>Chemistry of Materials</i> , 2008, 20, 2869-2871.	3.2	9
169	Sonochemical Synthesis under a Magnetic Field: Structuring Magnetite Nanoparticles and the Destabilization of a Colloidal Magnetic Aqueous Solution under a Magnetic Field. <i>Journal of Physical Chemistry C</i> , 2008, 112, 35-42.	1.5	37
170	Facile Route for the Fabrication of Porous Hematite Nanoflowers: Its Synthesis, Growth Mechanism, Application in the Lithium Ion Battery, and Magnetic and Photocatalytic Properties. <i>Journal of Physical Chemistry C</i> , 2008, 112, 4836-4843.	1.5	297
171	A New Peptide-Based Method for the Design and Synthesis of Nanoparticle Superstructures: Construction of Highly Ordered Gold Nanoparticle Double Helices. <i>Journal of the American Chemical Society</i> , 2008, 130, 13555-13557.	6.6	340
172	A One-Pot Method to Prepare Gold Nanoparticle Chains with Chitosan. <i>Journal of Physical Chemistry C</i> , 2008, 112, 319-323.	1.5	63

#	ARTICLE	IF	CITATIONS
173	Fabrication of One-Dimensional Iron Oxide/Silica Nanostructures with High Magnetic Sensitivity by Dipole-Directed Self-Assembly. <i>Journal of Physical Chemistry C</i> , 2008, 112, 15151-15156.	1.5	72
174	Molecular Dynamics Simulation of the Melting Behavior of Pt@Au Nanoparticles with Core-Shell Structure. <i>Journal of Physical Chemistry C</i> , 2008, 112, 4937-4947.	1.5	75
175	One-step synthesis of silver nanoparticles at the air-water interface using different methods. <i>Nanotechnology</i> , 2008, 19, 055603.	1.3	7
176	Hydrothermal synthesis and photoluminescent properties of stacked indium sulfide superstructures. <i>Chemical Communications</i> , 2008, , 1476.	2.2	53
177	Rayleigh-Instability-Induced Metal Nanoparticle Chains Encapsulated in Nanotubes Produced by Atomic Layer Deposition. <i>Nano Letters</i> , 2008, 8, 114-118.	4.5	118
178	Oxygen Self-Doping in Hollandite-Type Vanadium Oxyhydroxide Nanorods. <i>Journal of the American Chemical Society</i> , 2008, 130, 11364-11375.	6.6	39
179	Metallic Cation Induced One-Dimensional Assembly of Poly(acrylic acid)-1-Dodecanethiol-Stabilized Gold Nanoparticles. <i>Langmuir</i> , 2008, 24, 11385-11389.	1.6	29
180	Layered Assemblies of Single Crystal Gold Nanoplates: Direct Room Temperature Synthesis and Mechanistic Study. <i>Journal of Physical Chemistry C</i> , 2008, 112, 12638-12645.	1.5	51
181	Well-Defined Nanoassemblies Using Gold Nanoparticles Bearing Specific Number of DNA Strands. <i>Bioconjugate Chemistry</i> , 2008, 19, 385-390.	1.8	7
182	Nano-Architecture by Molecular Structure-Directing Agent. <i>Chemistry of Materials</i> , 2008, 20, 2432-2434.	3.2	9
183	Surface Area Controlled Differential Catalytic Activities of One-Dimensional Chain-like Arrays of Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2008, 112, 11265-11271.	1.5	59
184	One-Dimensional Confinement of CdS Nanodots and Subsequent Formation of CdS Nanowires by Using a Glycolipid Nanotube as a Ship-in-Bottle Scaffold. <i>Journal of Physical Chemistry C</i> , 2008, 112, 18412-18416.	1.5	13
185	Organic-Inorganic Nanohybrids via Directly Grafting Gold Nanoparticles onto Conjugated Copolymers through the Diels-Alder Reaction. <i>Langmuir</i> , 2008, 24, 11967-11974.	1.6	37
186	Formation and Shear-Induced Processing of Quantum Dot Colloidal Assemblies in a Multiphase Microfluidic Chip. <i>Langmuir</i> , 2008, 24, 10596-10603.	1.6	49
187	Self-Assembly Guided One-Dimensional Arrangement of Gold Nanoparticles: A Facile Approach. <i>Journal of Physical Chemistry C</i> , 2008, 112, 16182-16185.	1.5	22
188	Controllable Side-by-Side and End-to-End Assembly of Au Nanorods by Lyotropic Chromonic Materials. <i>Langmuir</i> , 2008, 24, 13833-13837.	1.6	111
189	General Assembly Method for Linear Metal Nanoparticle Chains Embedded in Nanotubes. <i>Nano Letters</i> , 2008, 8, 3221-3225.	4.5	60
190	Formation of Gold Branched Plates in Diluted Solutions of Poly(vinylpyrrolidone) and Their Use for the Fabrication of Near-Infrared-Absorbing Films and Coatings. <i>Langmuir</i> , 2008, 24, 983-990.	1.6	34

#	ARTICLE	IF	CITATIONS
191	Self-assembly in inorganic and hybrid systems: beyond the molecular scale. Dalton Transactions, 2008, , 18-24.	1.6	52
192	A New Route to Self-Assembled Tin Dioxide Nanospheres: Fabrication and Characterization. Langmuir, 2008, 24, 11089-11095.	1.6	39
193	Drying-Mediated Hierarchical Self-Assembly of Nanoparticles: A Dynamical Coarse-Grained Approach. Journal of Physical Chemistry C, 2008, 112, 4498-4506.	1.5	39
194	Controlled Elaboration and Magnetic Properties of Submicrometric Cobalt Fibers. Journal of Physical Chemistry C, 2008, 112, 14348-14354.	1.5	19
195	Controlling the Synthesis of CoO Nanocrystals with Various Morphologies. Journal of Physical Chemistry C, 2008, 112, 5322-5327.	1.5	68
196	A 106-fold enhancement in the conductivity of a discotic liquid crystal doped with only 1% (w ^ˆ w) gold nanoparticles. Journal of Applied Physics, 2008, 103, .	1.1	54
197	Coating carbon nanotubes with colloidal nanocrystals by combining an electrospray technique with directed assembly using an electrostatic field. Nanotechnology, 2008, 19, 455610.	1.3	18
198	On the solution self-assembly of nanocolloidal brushes: insights from simulations. Nanotechnology, 2008, 19, 445606.	1.3	14
199	Fabrication and characterisation of photonic nanowires. , 2008, , .		0
200	Synthesis and Formation of One-Dimensional Au Nanoparticle Chains. E-Journal of Surface Science and Nanotechnology, 2009, 7, 327-329.	0.1	0
201	Calixarene-stabilised cobalt nanoparticle rings: Self-assembly and collective magnetic properties. Supramolecular Chemistry, 2009, 21, 189-195.	1.5	18
202	Electron transport behavior of individual zinc oxide coated single-walled carbon nanotubes. Nanotechnology, 2009, 20, 105703.	1.3	28
203	Preparation and photoluminescence of SiO ₂ -CdTe multilayer film by layer-by-layer self-assembly. Journal of Physics: Conference Series, 2009, 152, 012009.	0.3	8
204	Synthesis and exchange bias effect of single-crystalline SrMn ₃ O ₆ nanoribbons. Applied Physics Letters, 2009, 94, 182506.	1.5	29
205	A one-dimensional network from the self-assembly of gold nanoparticles by a necklace-like polyelectrolyte template mediated by metallic ion coordination. Nanotechnology, 2009, 20, 295603.	1.3	4
206	Processing and near-field optical properties of self-assembled plasmonic nanoparticle networks. Journal of Chemical Physics, 2009, 130, 034702.	1.2	25
207	One-dimensional assemblies of charged nanoparticles in water: A simulation study. Journal of Chemical Physics, 2009, 130, 044701.	1.2	18
208	Formation of Ni chains induced by self-generated magnetic field. Materials Research Bulletin, 2009, 44, 35-40.	2.7	20

#	ARTICLE	IF	CITATIONS
209	Modifying the surface of electrically conductive porous alumina. <i>Materials Letters</i> , 2009, 63, 1320-1322.	1.3	6
210	Synthesis, Mechanism, and Gas Sensing Application of Surfactant Tailored Tungsten Oxide Nanostructures. <i>Advanced Functional Materials</i> , 2009, 19, 1767-1774.	7.8	101
211	Ultrathin Nanowires – A Materials Chemistry Perspective. <i>Advanced Materials</i> , 2009, 21, 1013-1020.	11.1	347
212	Materials Fabricated by Micro- and Nanoparticle Assembly – The Challenging Path from Science to Engineering. <i>Advanced Materials</i> , 2009, 21, 1897-1905.	11.1	374
213	Chiral Gold Nanoparticles. <i>ChemPhysChem</i> , 2009, 10, 483-492.	1.0	330
214	Preparation of Silver Nanoparticle Dispersions via a Dendritic Polymer Template Approach and their Use for Antibacterial Surface Treatment. <i>Macromolecular Materials and Engineering</i> , 2009, 294, 178-189.	1.7	37
216	One-Dimensional Gold Nanoparticle Arrays by Electrostatically Directed Organization Using Polypeptide Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7078-7082.	7.2	65
217	Synthesis of iron oxide nanorods and nanocubes in an imidazolium ionic liquid. <i>Chemical Engineering Journal</i> , 2009, 147, 71-78.	6.6	58
218	One-dimensional self-assembly of inorganic nanoparticles. <i>Frontiers of Physics in China</i> , 2009, 4, 487-496.	1.0	12
219	CdSe Ring- and Tribulus-Shaped Nanocrystals: Controlled Synthesis, Growth Mechanism, and Photoluminescence Properties. <i>Nanoscale Research Letters</i> , 2009, 4, 437-443.	3.1	22
220	One-Dimensional Arrangement of Gold Nanoparticles with Tunable Interparticle Distance. <i>Small</i> , 2009, 5, 2819-2822.	5.2	75
221	The crossover from two dimensions to one dimension in granular electronic materials. <i>Nature Nanotechnology</i> , 2009, 4, 368-372.	15.6	64
222	Metal nanoparticle chains embedded in TiO ₂ nanotubes prepared by one-step electrodeposition. <i>Electrochimica Acta</i> , 2009, 55, 480-484.	2.6	23
223	Scanning tunneling microscopy investigation of growth of self-assembled indium and aluminum nanostructures on inert substrates. <i>Thin Solid Films</i> , 2009, 517, 4540-4547.	0.8	2
224	Ring- and single-crystal-like superstructures of Fe-doped PbTiO ₃ nanocrystals. <i>Journal of Crystal Growth</i> , 2009, 311, 4593-4597.	0.7	7
225	Interference of guiding modes in circular waveguides composed of dielectric spherical particles. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 1396-1400.	0.9	7
226	Application of disclination concept to solid structures. <i>Progress in Materials Science</i> , 2009, 54, 740-769.	16.0	182
227	Gold nanoparticle probes. <i>Coordination Chemistry Reviews</i> , 2009, 253, 1607-1618.	9.5	352

#	ARTICLE	IF	CITATIONS
228	Control of the self-assembly behaviors of charged gold nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 348, 240-247.	2.3	8
229	Surface chemistry and photophysical properties of a diacetylene-peptide derivative capped quantum dots Langmuir monolayer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 70, 163-168.	2.5	2
230	Tracing carbon nanotube evolution from immature tubules. <i>Chemical Physics Letters</i> , 2009, 468, 57-63.	1.2	5
231	Influence of support porosity and Pt content of Pt/carbon aerogel catalysts on metal dispersion and formation of self-assembled Pt-carbon hybrid nanostructures. <i>Carbon</i> , 2009, 47, 2679-2687.	5.4	28
232	Electrodeposition of platinum nanoclusters on type I collagen modified electrode and its electrocatalytic activity for methanol oxidation. <i>Applied Surface Science</i> , 2009, 255, 6814-6818.	3.1	7
233	A One-Pot Green Method for One-Dimensional Assembly of Gold Nanoparticles with a Novel Chitosan-Ninhydrin Bioconjugate at Physiological Temperature. <i>Journal of Physical Chemistry C</i> , 2009, 113, 4315-4320.	1.5	29
234	One-Dimensional Coupling of Gold Nanoparticle Plasmons in Self-Assembled Ring Superstructures. <i>Nano Letters</i> , 2009, 9, 1152-1157.	4.5	94
235	Necklace-like Chains of Hybrid Nanospheres Consisting of Pd Nanocrystals and Peptidic Lipids. <i>Journal of the American Chemical Society</i> , 2009, 131, 2456-2457.	6.6	40
236	Polymer Vesicles as Robust Scaffolds for the Directed Assembly of Highly Crystalline Nanocrystals. <i>Langmuir</i> , 2009, 25, 13703-13711.	1.6	33
237	Electrochemically Controllable Growth and Tunable Optical Properties of Zn _{1-x} Cd _x O Alloy Nanostructures. <i>Crystal Growth and Design</i> , 2009, 9, 1538-1545.	1.4	10
238	Nanotechnology, nanotoxicology, and neuroscience. <i>Progress in Neurobiology</i> , 2009, 87, 133-170.	2.8	356
239	Metal sulfide coated multiwalled carbon nanotubes synthesized by an in situ method and their optical limiting properties. <i>Nanotechnology</i> , 2009, 20, 195604.	1.3	12
240	Charge polarization-dependent activity of catalyst nanoparticles on carbon nitride nanotubes for hydrogen generation. <i>Journal of Materials Chemistry</i> , 2009, 19, 4505.	6.7	18
241	The effect of thermal and vapor annealing treatments on the self-assembly of TiO ₂ /PS-b-PMMA nanocomposites generated via the sol-gel process. <i>Nanotechnology</i> , 2009, 20, 225603.	1.3	24
242	Insight into the Broad Field of Polymer Nanocomposites: From Carbon Nanotubes to Clay Nanoplatelets, via Metal Nanoparticles. <i>Materials</i> , 2009, 2, 2095-2153.	1.3	54
243	Insights into Templated Supramolecular Polymerization: Binding of Naphthalene Derivatives to ssDNA Templates of Different Lengths. <i>Journal of the American Chemical Society</i> , 2009, 131, 1222-1231.	6.6	86
244	Thermal, Magnetic, and Luminescent Properties of Dendronized Ferrite Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2009, 113, 12201-12212.	1.5	30
245	Synthesis and characterization of Au-attached single-walled carbon nanotube bundles. <i>Nanotechnology</i> , 2009, 20, 285708.	1.3	10

#	ARTICLE	IF	CITATIONS
246	Nanoparticle assembly for 1D and 2D ordered structures. <i>Soft Matter</i> , 2009, 5, 1146.	1.2	175
247	Polyelectrolyte-Directed Nanoparticle Aggregation: Systematic Morphogenesis of Calcium Carbonate by Nonclassical Crystallization. <i>ACS Nano</i> , 2009, 3, 1966-1978.	7.3	102
248	Solvothermal Synthesis and Characterization of Fe ₃ O ₄ and β -Fe ₂ O ₃ Nanoplates. <i>Journal of Physical Chemistry C</i> , 2009, 113, 4012-4017.	1.5	280
249	Metal Oxide Nanoparticles in Organic Solvents. <i>Engineering Materials and Processes</i> , 2009, , .	0.2	212
250	Formation of Self-Assembled Au Nanoparticles and the Study of Their Optical Properties by Steady-State and Time-Resolved Spectroscopies. <i>Journal of Physical Chemistry C</i> , 2009, 113, 13125-13132.	1.5	31
251	Dye-Adsorption-Induced Gelation of Suspensions of Spherical and Rodlike Zinc Oxide Nanoparticles in Organic Solvents. <i>Langmuir</i> , 2009, 25, 8473-8479.	1.6	12
252	Recent advances in oriented attachment growth and synthesis of functional materials: concept, evidence, mechanism, and future. <i>Journal of Materials Chemistry</i> , 2009, 19, 191-207.	6.7	586
253	Free flow electrophoresis for the separation of CdTe nanoparticles. <i>Journal of Materials Chemistry</i> , 2009, 19, 1390.	6.7	37
254	Self-assembly of fluorocarbon-coated FePt nanoparticles for controlling structure and wettability of surfaces. <i>Soft Matter</i> , 2009, 5, 1247-1250.	1.2	8
255	Highly controlled core/shell structures: tunable conductive polymer shells on gold nanoparticles and nanochains. <i>Journal of Materials Chemistry</i> , 2009, 19, 3286.	6.7	118
256	Gain and loss of propagating electromagnetic wave along a hollow silver nanorod. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 5871.	1.3	5
257	Shear-Induced One-Dimensional Alignment of Alumina and Silica Nanoparticles in Coatings. <i>ACS Symposium Series</i> , 2009, , 108-123.	0.5	1
258	Preparation of 1D nanostructures using biomolecules. <i>Journal of Physics: Conference Series</i> , 2009, 182, 012014.	0.3	0
259	Synthesis Second Assembly of Calcium Carbonate Sphere Chains. <i>Journal of Nano Research</i> , 2010, 12, 115-122.	0.8	1
260	On the study of pH effects in the microwave enhanced rapid synthesis of nano-ZnO. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 99, 197-203.	1.1	19
261	Morphological and electrical characteristics of amino acid- AuNP nanostructured two-dimensional ensembles. <i>Chemical Physics</i> , 2010, 373, 295-299.	0.9	16
262	Synthesis of FeCu Nanopowder by Levitational Gas Condensation Process. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2010, 41, 841-856.	1.0	4
263	Template Synthesis of Carbon Nanofibers Containing Linear Mesocage Arrays. <i>Nanoscale Research Letters</i> , 2010, 5, 913-916.	3.1	36

#	ARTICLE	IF	CITATIONS
264	Formation of single-electron-transistors using self-assembly of nanoparticle chains. <i>Journal of Nanoparticle Research</i> , 2010, 12, 2859-2864.	0.8	8
265	Fabrication and characterization of tetrapod-like ZnO nanostructures prepared by catalyst-free thermal evaporation. <i>Materials Characterization</i> , 2010, 61, 128-133.	1.9	55
266	Shape-controlled synthesis of cobalt oxide nanocrystals using cobalt acetylacetonate. <i>Materials Letters</i> , 2010, 64, 408-410.	1.3	11
267	Formation of multi-walled carbon nanotubes with a metal-free chemical vapor deposition and their stepwise evolution. <i>Materials Letters</i> , 2010, 64, 1179-1182.	1.3	5
268	Construction and Photophysical Properties of Organic-Inorganic Nanonetworks Based on Oligo(phenylenevinylene) and Functionalized Gold Nanoparticles. <i>ChemPhysChem</i> , 2010, 11, 659-664.	1.0	10
269	Towards the Controlled Self-Assembly of Gold Nanoparticles. <i>ChemPhysChem</i> , 2010, 11, 2075-2077.	1.0	9
270	Mechanism of Proton Relaxation for Enzyme-Manipulated, Multicomponent Gold-Magnetic Nanoparticle Chains. <i>ChemPhysChem</i> , 2010, 11, 3664-3672.	1.0	8
271	Characterization of ZnO nanorods grown on Si substrates coated with NiCl ₂ . <i>Crystal Research and Technology</i> , 2010, 45, 988-992.	0.6	1
272	Shape Evolution and Tunable Properties of Monodisperse Magnetite Crystals Synthesized by a Facile Surfactant-Free Hydrothermal Method. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 4499-4505.	1.0	30
275	Peptide-Based Methods for the Preparation of Nanostructured Inorganic Materials. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1924-1942.	7.2	428
276	Tip-Enhanced Raman spectroscopy using single-crystalline Ag nanowire as tip. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 1156-1162.	1.2	42
277	Formation and microscopic investigation of iron oxide aligned nanowires into polymeric nanocomposite films. <i>Microscopy Research and Technique</i> , 2010, 73, 952-958.	1.2	11
278	In situ precipitation of magnetic fluid encapsulated in giant liposomes. <i>Journal of Colloid and Interface Science</i> , 2010, 343, 396-399.	5.0	16
279	One-dimensional organic-inorganic hybrid nanomaterials. <i>Polymer</i> , 2010, 51, 4015-4036.	1.8	121
280	In situ growth of copper nanoparticles on multiwalled carbon nanotubes and their application as non-enzymatic glucose sensor materials. <i>Electrochimica Acta</i> , 2010, 55, 3734-3740.	2.6	217
281	Self-assembled chitosan/heparin multilayer film as a novel template for in situ synthesis of silver nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 76, 549-555.	2.5	40
282	Controlled assembly of protein-protected gold nanoparticles on noncovalent functionalized carbon nanotubes. <i>Carbon</i> , 2010, 48, 645-653.	5.4	47
283	Tetrakis(4-sulfonatophenyl)porphyrin-Directed Assembly of Gold Nanocrystals: Tailoring the Plasmon Coupling Through Controllable Gap Distances. <i>Small</i> , 2010, 6, 2001-2009.	5.2	33

#	ARTICLE	IF	CITATIONS
284	Properties and emerging applications of self-assembled structures made from inorganic nanoparticles. <i>Nature Nanotechnology</i> , 2010, 5, 15-25.	15.6	1,449
285	Crossflow Ultrafiltration Properties of Monodisperse Nanoparticle Suspensions in Laminar Flow. <i>Journal of Chemical Engineering of Japan</i> , 2010, 43, 938-945.	0.3	2
286	Orientation-dependent magnetic behavior in aligned nanoparticle arrays constructed by coaxial electrospinning. <i>Nanotechnology</i> , 2010, 21, 085707.	1.3	27
287	Interference of guided modes in a two-port ring waveguide composed of dielectric nanoparticles. <i>Physical Review E</i> , 2010, 81, 026601.	0.8	8
288	Non-Layer-by-Layer Assembly and Encapsulation Uses of Nanoparticle-Shelled Hollow Spheres. <i>Advances in Polymer Science</i> , 2010, , 89-114.	0.4	5
289	Highly Ordered Lattice Orientation of ZnO Nanoparticles Formed in Confined Space. <i>Chinese Journal of Chemical Physics</i> , 2010, 23, 484-490.	0.6	1
290	Exchange-Bias-like Behavior from Disordered Surface Spins in $\text{Li}_{4\text{Mn}_5\text{O}_{12}}$ Nanosticks. <i>Journal of Physical Chemistry C</i> , 2010, 114, 16143-16147.	1.5	10
291	Formation of Rodlike Silica Aggregates Directed by Adsorbed Thermoresponsive Polymer Chains. <i>Langmuir</i> , 2010, 26, 2279-2287.	1.6	16
292	Formation and Assembly/Disassembly Processes of ZnO Hexagonal Pyramids Driven by Dipolar and Excluded Volume Interactions. <i>Journal of the American Chemical Society</i> , 2010, 132, 1860-1872.	6.6	100
293	Temperature-dependent synthesis of CoPt hollow nanoparticles: from "nanochain" to "nanoring". <i>Chemical Communications</i> , 2010, 46, 1500-1502.	2.2	36
294	Progress of nanocrystalline growth kinetics based on oriented attachment. <i>Nanoscale</i> , 2010, 2, 18-34.	2.8	486
295	Direct Access to Metal or Metal Oxide Nanocrystals Integrated with One-Dimensional Nanoporous Carbons for Electrochemical Energy Storage. <i>Journal of the American Chemical Society</i> , 2010, 132, 15030-15037.	6.6	150
296	Nanoparticle assemblies for biological and chemical sensing. <i>Journal of Materials Chemistry</i> , 2010, 20, 24-35.	6.7	193
297	Magnetic gelation: a new method for the preparation of polymeric anisotropic porous materials. <i>Soft Matter</i> , 2010, 6, 5636.	1.2	19
299	Gold Nanoparticles Amplified Ultrasensitive Quantification of Human Urinary Protein by Capillary Electrophoresis with On-Line Inductively Coupled Plasma Mass Spectroscopic Detection. <i>Journal of Proteome Research</i> , 2010, 9, 3545-3550.	1.8	49
300	Maskless Nanoscale Writing of Nanoparticle/Polymer Composites and Nanoparticle Assemblies using Thermal Nanoprobes. <i>Nano Letters</i> , 2010, 10, 129-133.	4.5	56
301	Metal Nanoparticle Wires Formed by an Integrated Nanomolding/Chemical Assembly Process: Fabrication and Properties. <i>ACS Nano</i> , 2010, 4, 7660-7666.	7.3	18
302	Dynamical Formation of Spatially Localized Arrays of Aligned Nanowires in Plastic Films with Magnetic Anisotropy. <i>ACS Nano</i> , 2010, 4, 1873-1878.	7.3	87

#	ARTICLE	IF	CITATIONS
303	Lattice Gas Model for the Drying-Mediated Self-Assembly of Nanorods. <i>Journal of Physical Chemistry C</i> , 2010, 114, 11040-11049.	1.5	19
304	Thermoreversible Covalent Self-Assembly of Oligo(<i>p</i> -phenylenevinylene) Bridged Gold Nanoparticles. <i>Langmuir</i> , 2010, 26, 3179-3185.	1.6	35
305	Sphere-to-Wormlike Network Transition of Block Copolymer Micelles Containing CdSe Quantum Dots in the Corona. <i>Macromolecules</i> , 2010, 43, 5066-5074.	2.2	58
306	Direct Observation of Au/Ga ₂ O ₃ Peapodded Nanowires and Their Plasmonic Behaviors. <i>Nano Letters</i> , 2010, 10, 3267-3271.	4.5	35
307	Controlled Self-Assembly of Quantum Dot-Block Copolymer Colloids in Multiphase Microfluidic Reactors. <i>Langmuir</i> , 2010, 26, 716-723.	1.6	49
308	Synthesis of CdSe micro/nanocrystals with controllable multiform morphologies and crystal phases. <i>Journal of Alloys and Compounds</i> , 2010, 497, 390-395.	2.8	15
309	Assemblies of thiol-capped nanocrystals as building blocks for use in nanotechnology. <i>Journal of Materials Chemistry</i> , 2010, 20, 5174.	6.7	40
310	Hybrid nanostructures for efficient light harvesting. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 193102.	0.7	63
311	A one-pot strategy for biomimetic synthesis and self-assembly of gold nanoparticles. <i>Nanotechnology</i> , 2010, 21, 305601.	1.3	22
312	Patterns of Gold Nanoparticles Formed at the Air/Water Interface: Effects of Capping Agents. <i>Langmuir</i> , 2010, 26, 14970-14974.	1.6	18
313	Biological Surface Effects of Metallic Nanomaterials for Applications in Assembly and Catalysis. <i>Langmuir</i> , 2010, 26, 15121-15134.	1.6	18
314	Uniform Fe_2O_3 Nanocrystal Moniforme-Shape Straight-Chains. <i>Crystal Growth and Design</i> , 2010, 10, 479-482.	1.4	53
315	DNA-Templated Rational Assembly of BaWO ₄ Nano Pair-Linear Arrays. <i>Journal of Physical Chemistry C</i> , 2010, 114, 16114-16121.	1.5	21
316	Ligand-mediated self-assembly of polymer-enveloped gold nanoparticle chains and networks. <i>Chemical Communications</i> , 2010, 46, 7602.	2.2	36
317	Composition-Dependent Formation of Platinum Silver Nanowires. <i>ACS Nano</i> , 2010, 4, 1501-1510.	7.3	141
318	Preparation of Unique 1-D Nanoparticle Superstructures and Tailoring their Structural Features. <i>Journal of the American Chemical Society</i> , 2010, 132, 6902-6903.	6.6	124
319	End-to-end assembly of gold nanorods by means of oligonucleotide-mercury(ii) molecular recognition. <i>Chemical Communications</i> , 2010, 46, 1332.	2.2	93
320	Synthesis, Characterization, and Lithium Storage Capability of AMoO ₄ (A = Ni, Co) Nanorods. <i>Chemistry of Materials</i> , 2010, 22, 746-754.	3.2	222

#	ARTICLE	IF	CITATIONS
321	Mechanistic investigation into the spontaneous linear assembly of gold nanospheres. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 11850.	1.3	144
322	Morphology of mixed-monolayers protecting metal nanoparticles. <i>Journal of Materials Chemistry</i> , 2010, 20, 1403-1412.	6.7	38
323	Anisotropic growth of multi-twinned goethite particles by oriented aggregation. <i>CrystEngComm</i> , 2010, 12, 4007.	1.3	10
324	Uniform self-assembled magnetite chains: facile synthesis and magnetic properties. <i>CrystEngComm</i> , 2010, 12, 4091.	1.3	5
325	Novel 3-D superstructures made up of SnO ₂ @C core-shell nanochains for energy storage applications. <i>Chemical Communications</i> , 2010, 46, 9188.	2.2	58
326	Cobalt (hcp) nanofibers with pine-tree-leaf hierarchical superstructures. <i>Journal of Materials Chemistry</i> , 2010, 20, 9187.	6.7	13
327	Solvothermal preparation and visible photocatalytic activity of polycrystalline In ₂ S ₃ nanotubes. <i>CrystEngComm</i> , 2011, 13, 182-187.	1.3	41
328	Controlled synthesis of SnO ₂ @carbon core-shell nanochains as high-performance anodes for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2011, 21, 12295.	6.7	73
329	Shape-controlled synthesis of silver crystals mediated by imidazolium-based ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 16138.	1.3	11
330	Metal-ion induced transition from multi- to single-bilayer tubes in histidine bearing lipids and formation of monodisperse Au nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 15899.	1.3	9
331	Promotional Effects of Bismuth on the Formation of Platinum-Bismuth Nanowires Network and the Electrocatalytic Activity toward Ethanol Oxidation. <i>Crystal Growth and Design</i> , 2011, 11, 594-599.	1.4	36
332	MAGNETIC NANOCHAINS: A REVIEW. <i>Nano</i> , 2011, 06, 1-17.	0.5	72
333	Simulation Study of Aggregations of Monolayer-Protected Gold Nanoparticles in Solvents. <i>Journal of Physical Chemistry C</i> , 2011, 115, 18991-18998.	1.5	61
334	Assembly of Colloidal Nanoparticles Directed by the Microstructures of Polycrystalline Ice. <i>ACS Nano</i> , 2011, 5, 8426-8433.	7.3	85
335	Axial In Nanowire Gated Diodes as a Direct Probe of Surface-Dominated Charge Dynamics in Semiconductor Nanomaterials. <i>Journal of Physical Chemistry C</i> , 2011, 115, 23552-23557.	1.5	9
336	Patterning of Plasmonic Nanoparticles into Multiplexed One-Dimensional Arrays Based on Spatially Modulated Electrostatic Potential. <i>ACS Nano</i> , 2011, 5, 8288-8294.	7.3	62
337	Electron Tunneling Induced Periodic Nucleation and Growth of Nanoparticles: Physical Basis of Chemical Reduction. <i>Crystal Growth and Design</i> , 2011, 11, 3707-3712.	1.4	6
338	Controlling the Properties of Self-Assembled Monolayers by Substrate Curvature. <i>Langmuir</i> , 2011, 27, 1246-1250.	1.6	46

#	ARTICLE	IF	CITATIONS
339	Assembly of Nanoparticles. , 2011, , 51-67.		1
340	Synthesis and properties of colloidal heteronanocrystals. Chemical Society Reviews, 2011, 40, 1512-1546.	18.7	611
341	Synthesis and photophysical studies of phthalocyanine-gold nanoparticle conjugates. Dalton Transactions, 2011, 40, 11876.	1.6	41
342	Nanoscale helices from inorganic materials. Journal of Materials Chemistry, 2011, 21, 6775.	6.7	87
343	Chemistry, physics, and engineering of electrically percolating arrays of nanoparticles: a mini review. Journal of Materials Chemistry, 2011, 21, 16846.	6.7	31
344	Solution-phase synthesis of metal and/or semiconductor homojunction/heterojunction nanomaterials. Nanoscale, 2011, 3, 2099.	2.8	70
345	Plasmons in Strongly Coupled Metallic Nanostructures. Chemical Reviews, 2011, 111, 3913-3961.	23.0	2,663
346	Role of Salt in the Spontaneous Assembly of Charged Gold Nanoparticles in Ethanol. Langmuir, 2011, 27, 5282-5289.	1.6	106
347	NaBH ₄ -Induced Assembly of Immobilized Au Nanoparticles into Chainlike Structures on a Chemically Modified Glass Surface. Langmuir, 2011, 27, 9834-9842.	1.6	11
348	Size Effect on Nanoparticle-Mediated Silver Crystal Growth. Crystal Growth and Design, 2011, 11, 5449-5456.	1.4	17
349	Theoretical study of the permeation of water through TiO ₂ nanotubes using molecular dynamics simulation. Molecular Physics, 2011, 109, 969-974.	0.8	7
350	Assembly of single-walled carbon nanotubes on patterns of Au nanoparticles. Applied Surface Science, 2011, 258, 1519-1524.	3.1	6
351	Determination of amines based on their interaction with QDs: Effect of the formation QD-assemblies. Analytica Chimica Acta, 2011, 703, 212-218.	2.6	3
352	In situ Raman Monitoring of Competitive Adsorption of Ag and Au Nanoparticles onto a Poly(4-Vinyl) Tj ETQq1 1 0.784314 rgBT /Overlo 1.2	1.2	3
353	Crystallization of Fluorescent Quantum Dots within a Three-Dimensional Bio-Organic Template of Actin Filaments and Lipid Membranes. Nano Letters, 2011, 11, 5443-5448.	4.5	32
354	Sonochemical Coating of Paper by Microbiocidal Silver Nanoparticles. Langmuir, 2011, 27, 720-726.	1.6	169
355	Template-free co-assembly of preformed Au and TiO ₂ nanoparticles into multicomponent 3D aerogels. Journal of Materials Chemistry, 2011, 21, 16893.	6.7	77
356	Gold nanoparticle wire and integrated wire array for electronic detection of chemical and biological molecules. AIP Advances, 2011, 1, .	0.6	18

#	ARTICLE	IF	CITATIONS
357	Urchin-like CdS microspheres self-assembled from CdS nanorods and their photocatalytic properties. <i>Solid State Sciences</i> , 2011, 13, 970-975.	1.5	18
358	Facile and template-free preparation of Zn-MnO_2 nanostructures and their enhanced adsorbability. <i>Materials Research Bulletin</i> , 2011, 46, 1461-1466.	2.7	13
359	Dipolar organization and magnetic actuation of flagella-like nanoparticle assemblies. <i>Journal of Materials Chemistry</i> , 2011, 21, 7314.	6.7	48
360	The synthesis of Ag/polypyrrole coaxial nanocables via ion adsorption method using different oxidants. <i>Journal of Nanoparticle Research</i> , 2011, 13, 1175-1182.	0.8	22
361	One-pot hydrothermal synthesis of an assembly of magnetite nanoneedles on a scaffold of cyclic-diphenylalanine nanorods. <i>Journal of Nanoparticle Research</i> , 2011, 13, 3991-3999.	0.8	10
362	Control of the aggregation behavior of silver nanoparticles in polyurethane matrix. <i>Journal of Nanoparticle Research</i> , 2011, 13, 5289-5299.	0.8	14
363	Controlled spontaneous generation of gold nanoparticles assisted by dual reducing and capping agents. <i>Gold Bulletin</i> , 2011, 44, 119-137.	1.1	87
364	Catalyst-free synthesis and shape control of CdTe nanowires. <i>Nano Research</i> , 2011, 4, 824-835.	5.8	21
365	Synthesis of pH- and temperature-responsive chitosan-graft-poly[2-(dimethylamino) ethyl methacrylate] copolymer and gold nanoparticle stabilization by its micelles. <i>Polymer International</i> , 2011, 60, 194-201.	1.6	38
366	Fabrication, Transfer, and Transport Properties of Monolayered Freestanding Nanoparticle Sheets. <i>Small</i> , 2011, 7, 583-587.	5.2	27
367	Design and Application of Inorganic Nanoparticle Superstructures: Current Status and Future challenges. <i>Small</i> , 2011, 7, 2133-2146.	5.2	191
368	A Generalized Mechanism for Ligand-Induced Dipolar Assembly of Plasmonic Gold Nanoparticle Chain Networks. <i>Advanced Functional Materials</i> , 2011, 21, 851-859.	7.8	82
369	Fracture of Sub-20nm Ultrathin Gold Nanowires. <i>Advanced Functional Materials</i> , 2011, 21, 3982-3989.	7.8	111
370	Double-layer polarization of a nonconducting particle in an alternating current field with applications to dielectrophoresis. <i>Electrophoresis</i> , 2011, 32, 2232-2244.	1.3	39
373	Tailored Anisotropic Magnetic Chain Structures Hierarchically Assembled from Magnetoresponse and Fluorescent Components. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1318-1321.	7.2	28
374	DNA-Linked Nanoparticle Building Blocks for Programmable Matter. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9185-9190.	7.2	88
375	Facile Synthesis of PbSe Hollow Nanostructure Assemblies via a Solid/Liquid-Phase Chemical Route and Their Electrogenerated Chemiluminescence Properties. <i>Chemistry - A European Journal</i> , 2011, 17, 3739-3745.	1.7	14
376	The preparation of a gold nanoparticle monolayer on the surface of a polymer inclusion membrane using EDTA as the reducing agent. <i>Journal of Membrane Science</i> , 2011, 379, 322-329.	4.1	25

#	ARTICLE	IF	CITATIONS
377	Polyamides nanoparticles containing flexible linkages and their copper complexes with novel dielectric properties: Structure–property relationship. <i>Journal of Molecular Structure</i> , 2011, 1001, 89-103.	1.8	11
378	One-Dimensional Nanorod Arrays: Independent Control of Composition, Length, and Interparticle Spacing with Nanometer Precision. <i>Nano Letters</i> , 2011, 11, 820-824.	4.5	65
379	SELF-ASSEMBLY OF BISMUTH SELENIDE TWO-DIMENSIONAL SUPERSTRUCTURE FROM HEXAGONAL NANOSHEETS. <i>Functional Materials Letters</i> , 2011, 04, 245-248.	0.7	0
380	From nanoparticle chains to nanorods: control of ZnO nanostructures by laser ablation. <i>Semiconductor Science and Technology</i> , 2011, 26, 075001.	1.0	6
381	Synthesis and Electrochemical Characterization of Electrically Conductive Porous Alumina Composite Modified By Nickel and Platinum Nanoparticles. <i>IOP Conference Series: Materials Science and Engineering</i> , 2011, 18, 062009.	0.3	0
382	Luminescence and Morphological Kinetics of Functionalized ZnS Colloidal Nanocrystals. , 2012, 2012, 1-8.		10
383	Co-Assembly of Oppositely Charged Particles into Linear Clusters and Chains of Controllable Length. <i>Scientific Reports</i> , 2012, 2, 1004.	1.6	41
384	VAULT PROTEIN-TEMPLATED ASSEMBLIES OF NANOPARTICLES. <i>Nano</i> , 2012, 07, 1250001.	0.5	2
385	Bi-2212 and Y123 highly curved single-crystal-like objects: whiskers, bows and ring-like structures. <i>Superconductor Science and Technology</i> , 2012, 25, 105003.	1.8	12
386	Controlled synthesis of CaMoO ₄ and SrMoO ₄ rods by a simple sonochemical method. <i>Journal of the Ceramic Society of Japan</i> , 2012, 120, 378-381.	0.5	4
387	Porous Nanostructured Encapsulation and Immobilization Materials for Optical Biosensors. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2012, 18, 1147-1159.	1.9	8
388	Self-Assembly of Inorganic Nanoparticles in Polymer-Like Structures. , 2012, , 107-127.		0
389	Liquid-crystalline nanoparticles: Hybrid design and mesophase structures. <i>Beilstein Journal of Organic Chemistry</i> , 2012, 8, 349-370.	1.3	118
390	Oriented Single-Walled Carbon Nanotubes–Poly(ethylene oxide) Nanocomposites. <i>Macromolecules</i> , 2012, 45, 9357-9363.	2.2	19
391	Facile Synthesis of Gold Wavy Nanowires and Investigation of Their Growth Mechanism. <i>Journal of the American Chemical Society</i> , 2012, 134, 20234-20237.	6.6	95
392	Implantation of nanomaterials and nanostructures on surface and their applications. <i>Nano Today</i> , 2012, 7, 258-281.	6.2	70
393	Thione–gold nanoparticles interactions: Vroman-like effect, self-assembly and sensing. <i>Journal of Materials Chemistry</i> , 2012, 22, 22866.	6.7	19
394	A simple two-dimensional model system to study electrostatic-self-assembly. <i>Soft Matter</i> , 2012, 8, 9771.	1.2	42

#	ARTICLE	IF	CITATIONS
395	Synthesis of surfactant-free Pt concave nanoparticles in a freshly-made or recycled molten salt. <i>Green Chemistry</i> , 2012, 14, 3197.	4.6	10
396	One-step synthesis and assembly of gold nanochains using the Langmuir monolayer of long-chain ionic liquids and their applications to SERS. <i>CrystEngComm</i> , 2012, 14, 2920.	1.3	41
397	Tailored anisotropic magnetic conductive film assembled from graphene-encapsulated multifunctional magnetic composite microspheres. <i>Journal of Materials Chemistry</i> , 2012, 22, 545-550.	6.7	45
398	Quasi one-dimensional assembly of gold nanoparticles templated by a pH-sensitive peptide amphiphile from silk fibroin. <i>RSC Advances</i> , 2012, 2, 5599.	1.7	7
399	In situ chemical vapor reaction in molten salts for preparation of platinum nanosheets via bubble breakage. <i>Journal of Materials Chemistry</i> , 2012, 22, 12046.	6.7	16
400	Manipulation of Collective Optical Activity in One-Dimensional Plasmonic Assembly. <i>ACS Nano</i> , 2012, 6, 2326-2332.	7.3	209
401	One-Dimensional Assembly of Silica Nanospheres: Effects of Nonionic Block Copolymers. <i>Langmuir</i> , 2012, 28, 13181-13188.	1.6	28
402	Controlling Particle Location with Mixed Surface Functionalities in Block Copolymer Thin Films. <i>Chemistry of Materials</i> , 2012, 24, 2627-2634.	3.2	24
403	Mechanistic Study on Microstructural Tuning of Metal Nanoparticle/Polymer Composite Thin Layers: Hydrogenation and Decomposition of Polyimide Matrices Catalyzed by Embedded Nickel Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2012, 116, 17947-17954.	1.5	9
404	Chain-like nanostructures from anisotropic self-assembly of semiconducting metal oxide nanoparticles with a block copolymer. <i>Chemical Communications</i> , 2012, 48, 11115.	2.2	14
405	Formation of self-assembled nanofiber-like Ag@PPy core/shell structures induced by SDBS. <i>Materials Science and Engineering C</i> , 2012, 32, 1971-1975.	3.8	18
406	Bottom-Up Tailoring of Plasmonic Nanopods Making Use of the Periodical Topography of Carbon Nanocoil Templates. <i>Advanced Functional Materials</i> , 2012, 22, 5157-5165.	7.8	13
407	Functionalized Nanoparticles and Chitosan-Based Functional Nanomaterials. <i>Advances in Polymer Science</i> , 2012, , 1-50.	0.4	4
408	Controlled Soft-Template Synthesis of Ultrathin C@FeS Nanosheets with High-Li-Storage Performance. <i>ACS Nano</i> , 2012, 6, 4713-4721.	7.3	293
409	DNA nanostructures as scaffolds for metal nanoparticles. <i>Polymer Journal</i> , 2012, 44, 452-460.	1.3	22
410	Assemblies of Polymer-Based Nanoscopic Objects. , 2012, , 83-105.		0
411	Self-assembly of ultra-thin lanthanide oxide nanowires via surfactant-mediated imperfect oriented attachment of nanoparticles. <i>CrystEngComm</i> , 2012, 14, 7110.	1.3	20
412	Porphyrim Assemblies via a Surfactant-Assisted Method: From Nanospheres to Nanofibers with Tunable Length. <i>Langmuir</i> , 2012, 28, 15482-15490.	1.6	54

#	ARTICLE	IF	CITATIONS
413	Preparation of wormlike PNIPAM microcontainers with magnetic nanoparticle inclusions. <i>Materials Letters</i> , 2012, 89, 97-100.	1.3	1
414	Highly efficient visible-light-driven plasmonic photocatalysts based on graphene oxide-hybridized one-dimensional Ag/AgCl heteroarchitectures. <i>Journal of Materials Chemistry</i> , 2012, 22, 21487.	6.7	98
415	Structural transformations in nano- and microobjects triggered by disclinations. <i>Journal of Materials Research</i> , 2012, 27, 545-551.	1.2	13
416	DNA Bimodified Gold Nanoparticles. <i>Langmuir</i> , 2012, 28, 1966-1970.	1.6	24
417	Semiconductor nanowires self-assembled from colloidal CdTe nanocrystal building blocks: optical properties and application perspectives. <i>Journal of Materials Chemistry</i> , 2012, 22, 20831.	6.7	9
418	Cu ₂ ZnSnS ₄ Hierarchical Microspheres as an Effective Counter Electrode Material for Quantum Dot Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2012, 116, 19718-19723.	1.5	193
419	Formation of gold nanoparticles in polymeric nanowires by low-temperature thermolysis of gold mesitylene. <i>Journal of Materials Chemistry</i> , 2012, 22, 684-690.	6.7	6
420	Free-standing one-dimensional plasmonic nanostructures. <i>Nanoscale</i> , 2012, 4, 66-75.	2.8	46
421	Formation of 1D and 2D Gold Nanoparticle Arrays by Divalent DNA-Gold Nanoparticle Conjugates. <i>Small</i> , 2012, 8, 2335-2340.	5.2	27
422	PdAg Alloy Nanowires: Facile One-Step Synthesis and High Electrocatalytic Activity for Formic Acid Oxidation. <i>ACS Catalysis</i> , 2012, 2, 84-90.	5.5	182
423	Unconventional Chain-Growth Mode in the Assembly of Colloidal Gold Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8021-8025.	7.2	131
424	Gram-Scale Synthesis of Multipod Pd Nanocrystals by a Simple Solid-Liquid Phase Reaction and Their Remarkable Electrocatalytic Properties. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 3740-3746.	1.0	4
425	Light-Induced Ostwald Ripening of Organic Nanodots to Rods. <i>Journal of the American Chemical Society</i> , 2012, 134, 7227-7230.	6.6	72
426	Programmable Construction of Nanostructures: Assembly of Nanostructures with Various Nanocomponents. <i>IEEE Nanotechnology Magazine</i> , 2012, 6, 19-23.	0.9	10
427	Self-Assembled Ultra-High Aspect Ratio Silver Nanochains. <i>Advanced Materials</i> , 2012, 24, 5227-5235.	11.1	16
429	A One-Step Process for the Antimicrobial Finishing of Textiles with Crystalline TiO ₂ Nanoparticles. <i>Chemistry - A European Journal</i> , 2012, 18, 4575-4582.	1.7	92
430	High Sensitivity DNA Detection Based on Regioselectively Decorated Electrocatalytic Nanoparticles. <i>Analytical Chemistry</i> , 2012, 84, 6471-6476.	3.2	16
431	One-step synthesis and assembly of one-dimensional parallel chains of CdS nanoparticles at the air-water interface templated by 10,12-pentacosadiynoic acid supermolecules. <i>Journal of Colloid and Interface Science</i> , 2012, 375, 118-124.	5.0	7

#	ARTICLE	IF	CITATIONS
432	Gold nanoparticle-assembled capsules and their application as hydrogen peroxide biosensor based on hemoglobin. <i>Bioelectrochemistry</i> , 2012, 84, 32-37.	2.4	49
433	Tunable photonic crystals from emulsion containing magnetic nanoparticles. <i>Materials Letters</i> , 2012, 66, 29-32.	1.3	3
434	High-yield solvothermal synthesis of magnetic chains self-assembled by hexagonal cobalt microflakes. <i>Materials Letters</i> , 2012, 74, 167-169.	1.3	3
435	Nanofingers pulled from bulk silver. <i>Scripta Materialia</i> , 2012, 66, 247-249.	2.6	1
436	Homogeneous and Disordered Assembly of Densely Packed Titanium Oxide Nanocrystals: An Approach to Coupled Synthesis and Assembly in Aqueous Solution. <i>Chemistry - A European Journal</i> , 2012, 18, 2825-2831.	1.7	17
437	Spectroscopic and electrical sensing mechanism in oxidant-mediated polypyrrole nanofibers/nanoparticles for ammonia gas. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	26
438	1D chain fluorescein-functionalized gold and silver nanoparticles as new optical mercury chemosensor in aqueous media. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	17
439	Assembly of Oppositely Charged Microgels at the Air/Water Interface. <i>Journal of Physical Chemistry B</i> , 2013, 117, 9073-9082.	1.2	27
440	Tailored Parallel Graphene Stripes in Plastic Film with Conductive Anisotropy by Shear-Induced Self-Assembly. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 43-47.	2.1	66
441	Programmable Nanoparticle Ensembles via High-Throughput Directed Self-Assembly. <i>Langmuir</i> , 2013, 29, 3567-3574.	1.6	6
442	Nanoparticle assemblies: main synthesis pathways and brief overview on some important applications. <i>Journal of Materials Science</i> , 2013, 48, 7321-7349.	1.7	45
444	Quantum signal transmission through a single-qubit chain. <i>European Physical Journal B</i> , 2013, 86, 1.	0.6	10
445	A facile one-pot method to fabricate gold nanoparticle chains with dextran. <i>Science China Chemistry</i> , 2013, 56, 387-392.	4.2	7
446	Controllability of the Coulomb charging energy in close-packed nanoparticle arrays. <i>Nanoscale</i> , 2013, 5, 10258.	2.8	20
447	Observation of growth of metal nanoparticles. <i>Chemical Communications</i> , 2013, 49, 11720.	2.2	128
448	Synthesis of MoO ₃ submicron belts and MoO ₂ submicron spheres via polyethylene glycol-assisted hydrothermal method and their gas sensing properties. <i>Ceramics International</i> , 2013, 39, 3435-3439.	2.3	26
449	Efficient electrostatic self-assembly of one-dimensional CdS@Au nanocomposites with enhanced photoactivity, not the surface plasmon resonance effect. <i>Nanoscale</i> , 2013, 5, 9330.	2.8	64
450	Oriented growth of γ -Fe ₂ O ₃ nanocrystals with different morphology and their optical behavior. <i>Journal of Crystal Growth</i> , 2013, 381, 107-113.	0.7	15

#	ARTICLE	IF	CITATIONS
451	Theory of plasmonic waves on a chain of metallic nanoparticles in a liquid crystalline host. Proceedings of SPIE, 2013, , .	0.8	1
452	New cyclotetrasiloxanes bearing sila-alkyl substituted side chains and their applications as templates for gold nanowires. Dalton Transactions, 2013, 42, 7768.	1.6	10
453	Ultrafine TiO ₂ nanofibers for photocatalysis. RSC Advances, 2013, 3, 24858.	1.7	16
454	Synthesis and Characterization of Surface Functional Polymer Nanoparticles by a Bottom-Up Approach from Tailor-Made Amphiphilic Block Copolymers. Macromolecular Chemistry and Physics, 2013, 214, 2783-2791.	1.1	16
455	Formation of WO ₃ nanotube-based bundles directed by NaHSO ₄ and its application in water treatment. Journal of Materials Chemistry A, 2013, 1, 1246-1253.	5.2	106
456	On the observation of the need for an unusually high concentration of cysteine and homocysteine to induce aggregation of polymer-stabilized gold nano particles. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	0
457	Photoactivated cyclization of aryl-containing enediynes coated gold nanoparticles: Enhancement of the DNA cleavage ability of enediynes. Colloids and Surfaces B: Biointerfaces, 2013, 112, 513-520.	2.5	11
458	First-principles calculations of optical properties of Titanium nanochains. Computational Materials Science, 2013, 77, 224-229.	1.4	9
459	Universal Synthesis of Single-Phase Pyrite FeS ₂ Nanoparticles, Nanowires, and Nanosheets. Journal of Physical Chemistry C, 2013, 117, 2567-2573.	1.5	112
460	Functionalizing Nanoparticles with Biological Molecules: Developing Chemistries that Facilitate Nanotechnology. Chemical Reviews, 2013, 113, 1904-2074.	23.0	1,173
461	Formation of Graphene-Wrapped Nanocrystals at Room Temperature through the Colloidal Coagulation Effect. Particle and Particle Systems Characterization, 2013, 30, 143-147.	1.2	39
462	From well-defined Pt(II) surface species to the controlled growth of silica supported Pt nanoparticles. Dalton Transactions, 2013, 42, 238-248.	1.6	41
463	Coarse-grain molecular dynamics simulations of nanoparticle-polymer melt: Dispersion vs. agglomeration. Journal of Chemical Physics, 2013, 138, 144901.	1.2	41
464	Light-Activated Metal-Coordinated Supramolecular Complexes with Charge-Directed Self-Assembly. Journal of Physical Chemistry C, 2013, 117, 3653-3661.	1.5	60
465	Self-regulated intelligent systems: where adaptive entities meet chemical oscillators. Soft Matter, 2013, 9, 4956.	1.2	35
466	Nanoparticle Assembling and System Integration. Interface Science and Technology, 2013, 19, 185-277.	1.6	5
468	Nucleation-Controlled Polymerization of Nanoparticles into Supramolecular Structures. Journal of the American Chemical Society, 2013, 135, 11417-11420.	6.6	52
469	Self-assembly of metallic nanoparticles into one dimensional arrays. Journal of Materials Chemistry A, 2013, 1, 6985.	5.2	54

#	ARTICLE	IF	CITATIONS
470	Alkyl Imidazolium Ionic-Liquid-Mediated Formation of Gold Particle Superstructures. <i>Langmuir</i> , 2013, 29, 7186-7194.	1.6	20
471	Detection of sub-femtomolar DNA based on double potential electrodeposition of electrocatalytic platinum nanoparticles. <i>Analyst, The</i> , 2013, 138, 4340.	1.7	14
472	Quantum Dot Surface Chemistry: Ligand Effects and Electron Transfer Reactions. <i>Journal of Physical Chemistry C</i> , 2013, 117, 14418-14426.	1.5	150
473	Ultrathin and Ultralong Single-Crystal Platinum Nanowire Assemblies with Highly Stable Electrocatalytic Activity. <i>Journal of the American Chemical Society</i> , 2013, 135, 9480-9485.	6.6	425
474	Controlled synthesis and chain-like self-assembly of silver nanoparticles through tertiary amine. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 417, 10-17.	2.3	14
475	A microfibre assembly of an iron-carbon composite with giant magnetisation. <i>Scientific Reports</i> , 2013, 3, 3051.	1.6	38
476	Interfacial Manipulations: Controlling Nanoscale Assembly in Bulk, Thin Film, and Solution Block Copolymer Systems. <i>Langmuir</i> , 2013, 29, 3864-3878.	1.6	39
477	High-Throughput Directed Self-Assembly of Core-Shell Ferrimagnetic Nanoparticle Arrays. <i>Langmuir</i> , 2013, 29, 7472-7477.	1.6	23
478	Tuning of optical properties by atomic layer deposition. , 2013, , .		0
479	Plasmonic waves on a chain of metallic nanoparticles: effects of a liquid-crystalline host. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013, 30, 1127.	0.9	6
480	Modifications of Multi-Walled Carbon Nanotubes on Zinc Oxide Nanostructures for Carbon Monoxide (CO) Gas Sensitive Layer. <i>Advanced Materials Research</i> , 2013, 789, 12-15.	0.3	7
481	Concurrent zero-dimensional and one-dimensional biomineralization of gold from a solution of Au ³⁺ and bovine serum albumin. <i>Science and Technology of Advanced Materials</i> , 2013, 14, 065004.	2.8	7
482	Magnetic field-directed self-assembly of magnetic nanoparticles. <i>MRS Bulletin</i> , 2013, 38, 915-920.	1.7	62
483	A coarse-grained model for DNA-functionalized spherical colloids, revisited: Effective pair potential from parallel replica simulations. <i>Journal of Chemical Physics</i> , 2013, 138, 025101.	1.2	20
484	Molecular Self-Assembly of Multifunctional Nanoparticle Composites with Arbitrary Shapes and Functions: Challenges and Strategies. <i>Particle and Particle Systems Characterization</i> , 2013, 30, 117-132.	1.2	29
485	Transformation of Gold(I)-cyclo[Met-Met] Complex Supramolecular Fibers into Aligned Gold Nanoparticles. <i>Chemistry Letters</i> , 2013, 42, 601-603.	0.7	0
486	Short peptide-directed synthesis of one-dimensional platinum nanostructures with controllable morphologies. <i>Scientific Reports</i> , 2013, 3, 2565.	1.6	45
487	Tip-Enhanced Spectroscopy at the Nanoscale. , 2013, , 1-40.		1

#	ARTICLE	IF	CITATIONS
488	Aqueous based colloidal quantum dots for optoelectronics. , 0, , 30-58.		0
489	Ionic-Liquid-Assisted Synthesis of Hierarchical Ceramic Nanomaterials as Nanofillers for Electromagnetic-Absorbing Coatings. , 2013, , .		0
490	Influence of growth temperature on morphological, structural and photoluminescence properties of ZnO nanostructure thin layers and powders deposited by thermal evaporation. Bulletin of Materials Science, 2014, 37, 1663-1668.	0.8	3
491	Spatially Confined Assembly of Nanoparticles. Accounts of Chemical Research, 2014, 47, 3009-3017.	7.6	98
493	Organization and controlled coupling between soft and hard magnetic nanocrystals using mesoporous materials. APL Materials, 2014, 2, 113309.	2.2	4
494	Synthesis of dual nanoparticles embedded in polyimide and their optical properties. Electronic Materials Letters, 2014, 10, 1019-1025.	1.0	5
495	A general strategy for one-step fabrication of one-dimensional magnetic nanoparticle chains based on laser ablation in liquid. Laser Physics Letters, 2014, 11, 056001.	0.6	13
496	Liquid Crystal-Gold Nanoparticle Hybrid Materials. Nanoscience and Technology, 2014, , 101-134.	1.5	5
497	Grafting of Gold Nanoparticles on Glass Using Sputtered Gold Interlayers. Journal of Chemistry, 2014, 2014, 1-6.	0.9	5
498	Facile synthesis of hierarchical flower-like AlOOH films via hydrothermal route on quartz surface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 450, 76-82.	2.3	37
499	Using Micro to Manipulate Nano. Small, 2014, 10, 258-264.	5.2	21
500	Hierarchical SnO_2 Nanostructures: Recent Advances in Design, Synthesis, and Applications. Chemistry of Materials, 2014, 26, 123-133.	3.2	532
501	Change in properties of coated cadmium-tellurium quantum dots after heat treatment. Glass Physics and Chemistry, 2014, 40, 114-118.	0.2	0
502	A General Strategy for Assembling Nanoparticles in One Dimension. Advanced Materials, 2014, 26, 2501-2507.	11.1	93
503	Nanoscience with Liquid Crystals. Nanoscience and Technology, 2014, , .	1.5	80
504	Cadmium sulfide nanoparticles with controllable morphology, photoluminescence and photocatalytic activity templated by worm-like dendronized poly(amido amine)s. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 450, 25-35.	2.3	11
505	Size-controlled Synthesis of Tetrametallic Ag@CoNiFe Core-shell Nanoparticles Supported on Graphene: A Highly Efficient Catalyst for the Hydrolytic Dehydrogenation of Amine Boranes. ChemCatChem, 2014, 6, 1617-1625.	1.8	36
506	Artificial Magnetic Bacteria: Living Magnets at Room Temperature. Advanced Functional Materials, 2014, 24, 3489-3493.	7.8	40

#	ARTICLE	IF	CITATIONS
507	Reversible linear assemblies of superparamagnetic Fe ₃ O ₄ /PLGA composite microspheres induced by ultra-low magnetic field. <i>Composites Science and Technology</i> , 2014, 92, 34-40.	3.8	10
508	Large-scale, solution-phase growth of semiconductor nanocrystals into ultralong one-dimensional arrays and study of their electrical properties. <i>Nanoscale</i> , 2014, 6, 6828-6836.	2.8	4
509	25th Anniversary Article: Metal Oxide Particles in Materials Science: Addressing All Length Scales. <i>Advanced Materials</i> , 2014, 26, 235-257.	11.1	112
510	Fabrication of One-Dimensional Chain of Iron-Based Bimetallic Alloying Nanoparticles with Unique Magnetizations. <i>Crystal Growth and Design</i> , 2014, 14, 5847-5855.	1.4	35
511	Metal-induced self-assembly of peroxiredoxin as a tool for sorting ultrasmall gold nanoparticles into one-dimensional clusters. <i>Nanoscale</i> , 2014, 6, 8052.	2.8	30
512	Selective synthesis of copper gallium sulfide (CuGaS ₂) nanostructures of different sizes, crystal phases, and morphologies. <i>CrystEngComm</i> , 2014, 16, 3323-3330.	1.3	47
513	Oxygen vacancies in self-assemblies of ceria nanoparticles. <i>Journal of Materials Chemistry A</i> , 2014, 2, 18329-18338.	5.2	33
514	Palladium nanoparticles decorated electrostatically functionalized MWCNTs as a non enzymatic glucose sensor. <i>Sensors and Actuators A: Physical</i> , 2014, 220, 126-133.	2.0	24
515	Self-assembly of TiO ₂ nanoparticles into chains, films and honeycomb networks. <i>CrystEngComm</i> , 2014, 16, 1584.	1.3	18
516	Three-Dimensional Characterization of Noble-Metal Nanoparticles and their Assemblies by Electron Tomography. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10600-10610.	7.2	59
517	Effect of surface carbon coating on sintering of silver nanoparticles: in situ TEM observations. <i>Chemical Communications</i> , 2014, 50, 4835-4838.	2.2	51
518	Facile synthesis of one-dimensional peapod-like Sb@C submicron-structures. <i>Chemical Communications</i> , 2014, 50, 5435.	2.2	53
519	Spontaneous assembly of iridium nanochain-like structures: surface enhanced Raman scattering activity using visible light. <i>Chemical Communications</i> , 2014, 50, 3061-3063.	2.2	26
520	Highly Conductive One-Dimensional Nanofibers: Silvered Electrospun Silica Nanofibers via Poly(dopamine) Functionalization. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 5105-5112.	4.0	85
521	Controlling the self-assembly of magnetic nanoparticles by competing dipolar and isotropic particle interactions. <i>Journal of Colloid and Interface Science</i> , 2014, 436, 83-89.	5.0	10
522	Self-Assembly of Nanoparticle Amphiphiles with Adaptive Surface Chemistry. <i>ACS Nano</i> , 2014, 8, 9979-9987.	7.3	65
523	Tin Dioxide@Carbon Core-Shell Nanoarchitectures Anchored on Wrinkled Graphene for Ultrafast and Stable Lithium Storage. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 7434-7443.	4.0	41
524	V ₂ O ₅ precursor-templated synthesis of textured nanoparticles based VN nanofibers and their exploration as efficient field emitter. <i>Vacuum</i> , 2014, 109, 223-229.	1.6	18

#	ARTICLE	IF	CITATIONS
525	Self-assembly of one dimensional DNA-templated structures. Journal of Materials Chemistry C, 2014, 2, 6895-6920.	2.7	17
526	Co-Assembly of A-B Diblock Copolymers with B ² -type Nanoparticles in Thin Films: Effect of Copolymer Composition and Nanoparticle Shape. Macromolecules, 2014, 47, 3022-3032.	2.2	38
527	Real-Time Visualization of Diffusion-Controlled Nanowire Growth in Solution. Nano Letters, 2014, 14, 4671-4676.	4.5	35
528	Collective Plasmonic Resonances on Arrays of Cysteine-Functionalized Silver Nanoparticle Aggregates. Journal of Physical Chemistry C, 2014, 118, 17940-17955.	1.5	10
529	Parallel Carbon Nanotube Stripes in Polymer Thin Film with Remarkable Conductive Anisotropy. ACS Applied Materials & Interfaces, 2014, 6, 1754-1758.	4.0	66
531	How does spacer length of imidazolium gemini surfactants control the fabrication of 2D-Langmuir films of silver-nanoparticles at the air-water interface?. Journal of Colloid and Interface Science, 2014, 430, 85-92.	5.0	36
532	Synthesis of Au nanowires with controlled morphological and structural characteristics. Applied Surface Science, 2014, 311, 780-788.	3.1	13
533	Self-Assembly of Ordered SiO ₂ @Au Core-Shell Nanoparticle Arrays. , 2014, , .		0
534	Mesocrystals and Their Related Structures as intermediates between single crystals and polycrystals. Journal of the Ceramic Society of Japan, 2014, 122, 737-747.	0.5	11
535	Amino Acid-assisted One-dimensional Assembly of Semiconducting Metal Oxide Nanoparticles in Aqueous Alcohol Media. Chemistry Letters, 2014, 43, 934-935.	0.7	3
536	Surface Modification and Aggregation Control of Gold Nanoparticles via Multifunctional Stabilizer Based on Polyhedral Oligomeric Silsesquioxane. Bulletin of the Chemical Society of Japan, 2015, 88, 693-697.	2.0	4
537	Polymer-mediated Dual Mineralization of a Plant Virus: A Platinum Nanowire Encapsulated by Iron Oxide. Chemistry Letters, 2015, 44, 79-81.	0.7	7
539	Using Polystyrene-block-poly(acrylic acid)-coated Metal Nanoparticles as Monomers for Their Homo- and Co-polymerization. Journal of Visualized Experiments, 2015, , e52954.	0.2	0
540	DNA-Mediated Copper Nanoparticle Formation on Dispersed Single-Walled Carbon Nanotubes. Helvetica Chimica Acta, 2015, 98, 1141-1146.	1.0	1
541	Fabrication of Nanoscale Circuits on Inkjet-Printing Patterned Substrates. Advanced Materials, 2015, 27, 3928-3933.	11.1	112
543	Characterization of Strong and Crystalline Polyvinyl Alcohol/Montmorillonite Films Prepared by Layer-by-Layer Deposition Method. International Journal of Polymer Science, 2015, 2015, 1-8.	1.2	24
544	Microscopy investigations of the microstructural change and thermal response of cobalt-based nanoparticles confined inside a carbon nanotube medium. Journal of Materials Chemistry A, 2015, 3, 11203-11214.	5.2	9
545	Hydrogen Bonding Stabilized Self-Assembly of Inorganic Nanoparticles: Mechanism and Collective Properties. ACS Nano, 2015, 9, 5807-5817.	7.3	31

#	ARTICLE	IF	CITATIONS
546	Self-Assembly of Nanoclusters into Mono-, Few-, and Multilayered Sheets <i>via</i> Dipole-Induced Asymmetric van der Waals Attraction. <i>ACS Nano</i> , 2015, 9, 6315-6323.	7.3	98
547	Surfactant assisted formation of ruthenium nanochains under mild conditions and their catalytic CO oxidation activity. <i>Chemical Communications</i> , 2015, 51, 10178-10181.	2.2	10
548	Preparation of 1D cubic Cd _{0.8} Zn _{0.2} S solid-solution nanowires using levelling effect of TGA and improved photocatalytic H ₂ -production activity. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1696-1702.	5.2	73
549	Femtosecond Laser-Controlled Tip-to-Tip Assembly and Welding of Gold Nanorods. <i>Nano Letters</i> , 2015, 15, 8282-8288.	4.5	105
550	A method for coating a polymer inclusion membrane with palladium nanoparticles. <i>Reactive and Functional Polymers</i> , 2015, 97, 30-36.	2.0	13
551	Preparation of Janus Particles with Different Stabilizers and Formation of One-Dimensional Particle Arrays. <i>Langmuir</i> , 2015, 31, 674-678.	1.6	26
552	Flexible One-Dimensional Nanostructures: A Review. <i>Journal of Materials Science and Technology</i> , 2015, 31, 607-615.	5.6	27
553	Thin polymer films with embedded CdS nanocrystals. <i>Colloid and Polymer Science</i> , 2015, 293, 1159-1169.	1.0	6
554	Nanostructured magnetic nanocomposites as MRI contrast agents. <i>Journal of Materials Chemistry B</i> , 2015, 3, 2241-2276.	2.9	104
555	Atomic-scale aspects of oriented attachment. <i>Chemical Engineering Science</i> , 2015, 121, 10-15.	1.9	44
556	Control of Gold Nanostructure Morphology by Variation of Temperature and Reagent Ratios in the Turkevich Reaction. <i>Australian Journal of Chemistry</i> , 2015, 68, 858.	0.5	3
557	Formation of Scrolled Silver Vanadate Nanopeapods by Both Capture and Insertion Strategies. <i>Chemistry of Materials</i> , 2015, 27, 3694-3699.	3.2	12
558	Water-Mediated Assembly of Gold Nanoparticles into Aligned One-Dimensional Superstructures. <i>Langmuir</i> , 2015, 31, 7220-7227.	1.6	6
559	Preparation of SnO ₂ nanoflower with porous nanosheet via a one-step hydrothermal method. <i>Materials Letters</i> , 2015, 158, 377-379.	1.3	10
560	Enhanced Glassy State Mechanical Properties of Polymer Nanocomposites via Supramolecular Interactions. <i>Nano Letters</i> , 2015, 15, 5465-5471.	4.5	54
561	Shape matters: synthesis and biomedical applications of high aspect ratio magnetic nanomaterials. <i>Nanoscale</i> , 2015, 7, 8233-8260.	2.8	90
562	Gold-platinum alloy nanoparticles through water-in-oil microemulsion. <i>Journal of Nanostructure in Chemistry</i> , 2015, 5, 65-69.	5.3	11
563	Competing Forces in the Self-Assembly of Coupled ZnO Nanopyramids. <i>ACS Nano</i> , 2015, 9, 3685-3694.	7.3	22

#	ARTICLE	IF	CITATIONS
564	On the self-assembly of TiO _x into 1D NP network nanostructures. <i>Nanotechnology</i> , 2015, 26, 051001.	1.3	1
565	Crystallization mechanisms and properties of \pm -cordierite glass-ceramics from K ₂ O-MgO-Al ₂ O ₃ -SiO ₂ glasses. <i>Journal of Non-Crystalline Solids</i> , 2015, 419, 16-26.	1.5	38
566	Optical and Structural Investigations of Manganese Doped ZnS/SiO ₂ Core-Shell Nanostructure. <i>International Journal of Nanoscience</i> , 2015, 14, 1550006.	0.4	0
567	Multifunctional Magnetic Nanochains: Exploiting Self-Polymerization and Versatile Reactivity of Mussel-Inspired Polydopamine. <i>Chemistry of Materials</i> , 2015, 27, 3071-3076.	3.2	81
568	Controlling the synthesis and assembly of fluorescent Au/Ag alloy nanoclusters. <i>Chemical Communications</i> , 2015, 51, 17417-17419.	2.2	21
569	Hydrothermal synthesis of iron phosphate microspheres constructed by mesoporous polyhedral nanocrystals. <i>Materials Characterization</i> , 2015, 107, 182-188.	1.9	18
570	Optically active chiral Ag nanowires. <i>Science China Materials</i> , 2015, 58, 441-446.	3.5	19
571	Hybrid materials based on azopolymer and sol-gel synthesized silver-containing titanium oxide nanoparticles with photoinduced birefringence. <i>RSC Advances</i> , 2015, 5, 15740-15748.	1.7	7
572	Surfactant-Assisted Voltage-Driven Silver Nanoparticle Chain Formation across Microelectrode Gaps in Air. <i>ACS Nano</i> , 2015, 9, 10278-10286.	7.3	7
573	Tailoring Anisotropic Interactions between Soft Nanospheres Using Dense Arrays of Smectic Liquid Crystal Edge Dislocations. <i>ACS Nano</i> , 2015, 9, 11678-11689.	7.3	33
574	Thermodynamics versus Kinetics in Nanosynthesis. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2022-2051.	7.2	400
575	Dimensionality-dependent charge transport in close-packed nanoparticle arrays: from 2D to 3D. <i>Scientific Reports</i> , 2015, 4, 7565.	1.6	18
576	Parallel carbon nanotube stripes in polymer thin film with tunable microstructures and anisotropic conductive properties. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 69, 240-246.	3.8	35
577	Synthesis of titanium oxide nanoparticles using DNA-complex as template for solution-processable hybrid dielectric composites. <i>Journal of Alloys and Compounds</i> , 2015, 643, S84-S89.	2.8	4
578	pH-programmable self-assembly of plasmonic nanoparticles: hydrophobic interaction versus electrostatic repulsion. <i>Nanoscale</i> , 2015, 7, 956-964.	2.8	33
579	Multigrain Platinum Nanowires Consisting of Oriented Nanoparticles Anchored on Sulfur-Doped Graphene as a Highly Active and Durable Oxygen Reduction Electrocatalyst. <i>Advanced Materials</i> , 2015, 27, 1229-1234.	11.1	126
580	Colloidal polymers from inorganic nanoparticle monomers. <i>Progress in Polymer Science</i> , 2015, 40, 85-120.	11.8	67
581	Learning from Nature: Binary Cooperative Complementary Nanomaterials. <i>Small</i> , 2015, 11, 1072-1096.	5.2	88

#	ARTICLE	IF	CITATIONS
582	Assembly of Nanoparticles. , 2016, , 201-216.		1
583	Polynanomers from Polymerization of Inorganic Nanoparticles. , 2016, , .		0
584	Reversible and Precise Self-Assembly of Janus Metal-Organosilica Nanoparticles through a Linker-Free Approach. ACS Nano, 2016, 10, 7323-7330.	7.3	95
585	Fabrication of Polymer Film with Extraordinary Conductive Anisotropy by Forming Parallel Conductive Vorticity-Aligned Stripes and Its Formation Mechanism. Macromolecular Materials and Engineering, 2016, 301, 743-749.	1.7	26
586	End-to-End Self-Assembly of Semiconductor Nanorods in Water by Using an Amphiphilic Surface Design. Angewandte Chemie, 2016, 128, 2123-2126.	1.6	7
587	Ferromagnetic Nanorods in Applications to Control of the In-Plane Anisotropy of Composite Films and for In Situ Characterization of the Film Rheology. Advanced Functional Materials, 2016, 26, 3796-3808.	7.8	33
588	Self-assembly of multiferroic core-shell particulate nanocomposites through DNA-DNA hybridization and magnetic field directed assembly of superstructures. AIP Advances, 2016, 6, .	0.6	9
589	Faraday rotation, band splitting, and one-way propagation of plasmon waves on a nanoparticle chain. Journal of Applied Physics, 2016, 119, 113103.	1.1	2
590	Self-Assembly of One-Dimensional Nanocrystal Superlattice Chains Mediated by Molecular Clusters. Journal of the American Chemical Society, 2016, 138, 3290-3293.	6.6	88
591	Apo ferritin fibers: a new template for 1D fluorescent hybrid nanostructures. Nanoscale, 2016, 8, 9648-9656.	2.8	18
592	Microwave assisted fast formation of Sn(MoO ₄) ₂ nano-assemblies on DNA scaffold for application in lithium-ion batteries. New Journal of Chemistry, 2016, 40, 6185-6199.	1.4	12
593	Shape-selective synthesis of Sn(MoO ₄) ₂ nanomaterials for catalysis and supercapacitor applications. Dalton Transactions, 2016, 45, 8897-8915.	1.6	27
594	Magnetism in living magnetically-induced bacteria. RSC Advances, 2016, 6, 95220-95226.	1.7	6
595	Linker-Mediated Self-Assembly Dynamics of Charged Nanoparticles. ACS Nano, 2016, 10, 7443-7450.	7.3	59
596	Complex 3D nanocoral like structures formed by copper nanoparticle aggregation on nanostructured zinc oxide rods. Materials Letters, 2016, 184, 127-130.	1.3	0
597	A high-throughput assay for screening modifiers of calcium oxalate crystallization. AIChE Journal, 2016, 62, 3538-3546.	1.8	12
598	Self-Assembly of Colloidal Nanocrystals: From Intricate Structures to Functional Materials. Chemical Reviews, 2016, 116, 11220-11289.	23.0	1,485
599	Design of Controllable Bio-Inspired Chiroptic Self-Assemblies. Biomacromolecules, 2016, 17, 2937-2945.	2.6	17

#	ARTICLE	IF	CITATIONS
600	Enhanced sensing of mercuric ions based on dinucleotide-functionalized silver nanoparticles. <i>Analytical Methods</i> , 2016, 8, 7966-7971.	1.3	10
601	Out of Equilibrium Self-Assembly of Janus Nanoparticles: Steering It from Disordered Amorphous to 2D Patterned Aggregates. <i>Langmuir</i> , 2016, 32, 12934-12946.	1.6	11
602	Preparation of plasmonic vesicles from amphiphilic gold nanocrystals grafted with polymer brushes. <i>Nature Protocols</i> , 2016, 11, 2287-2299.	5.5	36
603	Polydopamine directed MnO@C microstructures as electrode for lithium ion battery. <i>Science China Chemistry</i> , 2016, 59, 122-127.	4.2	17
604	Mesostructured crystals: Growth processes and features. <i>Progress in Crystal Growth and Characterization of Materials</i> , 2016, 62, 212-226.	1.8	26
605	Short peptide mediated self-assembly of platinum nanocrystals with selective spreading property. <i>RSC Advances</i> , 2016, 6, 58099-58105.	1.7	9
606	Template synthesis of metal tungsten nanowire bundles with high field electron emission performance. <i>RSC Advances</i> , 2016, 6, 62668-62674.	1.7	8
607	End-to-End Self-Assembly of Semiconductor Nanorods in Water by Using an Amphiphilic Surface Design. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2083-2086.	7.2	33
608	Enhanced Collective Magnetic Properties in 2D Monolayers of Iron Oxide Nanoparticles Favored by Local Order and Local 1D Shape Anisotropy. <i>Langmuir</i> , 2016, 32, 1621-1628.	1.6	27
609	Solvothermal synthesis of carbon nanotube-AgBiS ₂ hybrids and their optical limiting properties. <i>Applied Surface Science</i> , 2016, 366, 30-37.	3.1	8
610	Multi-tasking Schiff base ligand: a new concept of AuNPs synthesis. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 2329-2338.	1.9	3
611	Directed self-assembly of block copolymer-based nanocomposites in thin films. <i>Polymers for Advanced Technologies</i> , 2017, 28, 613-622.	1.6	9
612	Rapid Assembly of Large Scale Transparent Circuit Arrays Using PDMS Nanofilm Shaped Coffee Ring. <i>Advanced Functional Materials</i> , 2017, 27, 1606045.	7.8	26
613	Understanding the Dispersive Action of Nanocellulose for Carbon Nanomaterials. <i>Nano Letters</i> , 2017, 17, 1439-1447.	4.5	219
614	Staggered Linear Assembly of Spherical-Cap Colloids. <i>Langmuir</i> , 2017, 33, 6760-6768.	1.6	8
615	Sulfur-doped carbon quantum dots and derived 3D carbon nanoflowers are effective visible to near infrared fluorescent probes for hydrogen peroxide. <i>Mikrochimica Acta</i> , 2017, 184, 2055-2062.	2.5	37
616	Competitive Adsorption-Assisted Formation of One-Dimensional Cobalt Nanochains with High CO Hydrogenation Activity. <i>Journal of Physical Chemistry C</i> , 2017, 121, 24588-24593.	1.5	8
617	Precise Assembly of Particles for Zigzag or Linear Patterns. <i>Angewandte Chemie</i> , 2017, 129, 15550-15554.	1.6	7

#	ARTICLE	IF	CITATIONS
618	Precise Assembly of Particles for Zigzag or Linear Patterns. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15348-15352.	7.2	27
619	Buckling of elastic filaments by discrete magnetic moments. <i>European Physical Journal E</i> , 2017, 40, 86.	0.7	5
620	Multiscale Nanoparticle Assembly: From Particulate Precise Manufacturing to Colloidal Processing. <i>Advanced Functional Materials</i> , 2017, 27, 1703647.	7.8	56
621	Nanospace-Mediated Self-Organization of Nanoparticles in Flexible Porous Polymer Templates. <i>Langmuir</i> , 2017, 33, 9137-9143.	1.6	6
622	Magnetic-field-induced synthesis of magnetic wire-like micro- and nanostructures. <i>Nanoscale</i> , 2017, 9, 16511-16545.	2.8	28
623	Supracolloidal chains of patchy micelles of diblock copolymers with in situ synthesized nanoparticles. <i>Soft Matter</i> , 2017, 13, 6756-6760.	1.2	8
624	The synthesis of ultra-long cobalt chains and its outstanding catalytic performance on the thermal decomposition of ammonium perchlorate. <i>Materials Chemistry and Physics</i> , 2017, 201, 235-240.	2.0	10
625	Precisely Assembled Cyclic Gold Nanoparticle Frames by 2D Polymer Single-Crystal Templating. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13645-13649.	7.2	49
626	Precisely Assembled Cyclic Gold Nanoparticle Frames by 2D Polymer Single-Crystal Templating. <i>Angewandte Chemie</i> , 2017, 129, 13833-13837.	1.6	9
627	Efficient Lithium-Ion Storage by Hierarchical Core-Shell TiO ₂ Nanowires Decorated with MoO ₃ Quantum Dots Encapsulated in Carbon Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 23741-23747.	4.0	30
628	Tracking Nanoparticle Diffusion and Interaction during Self-Assembly in a Liquid Cell. <i>Nano Letters</i> , 2017, 17, 15-20.	4.5	82
629	Synthesis of aerogels: from molecular routes to 3-dimensional nanoparticle assembly. <i>Nanoscale Horizons</i> , 2017, 2, 6-30.	4.1	113
630	Spatially Localized Self-Assembly Driven by Electrically Charged Phase Separation. <i>SIAM Journal on Applied Dynamical Systems</i> , 2017, 16, 1946-1968.	0.7	13
631	Growth of Anisotropic Gold Nanoparticle Assemblies via Liposome Fusion. <i>Materials</i> , 2017, 10, 1317.	1.3	4
632	Thiolated gold nanoparticle solvation in near-critical fluids: The role of density, temperature, and topology. <i>Journal of Chemical Physics</i> , 2017, 146, 174902.	1.2	5
633	Seeded Growth Synthesis of Gold Nanotriangles: Size Control, SAXS Analysis, and SERS Performance. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 11152-11163.	4.0	133
634	Carbon materials-functionalized tin dioxide nanoparticles toward robust, high-performance nitrogen dioxide gas sensor. <i>Journal of Colloid and Interface Science</i> , 2018, 524, 76-83.	5.0	27
635	Droplet Microarrays: From Surface Patterning to High-Throughput Applications. <i>Advanced Materials</i> , 2018, 30, e1706111.	11.1	170

#	ARTICLE	IF	CITATIONS
636	Synergistic effect of heat treatments and KOH activation enhances the electrochemistry performance of polypyrrole nanochains (PPy-NCs). <i>Electrochimica Acta</i> , 2018, 266, 151-160.	2.6	12
637	Ultralong SiC/SiO ₂ Nanowires: Simple Gram-Scale Production and Their Effective Blue-Violet Photoluminescence and Microwave Absorption Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 3596-3603.	3.2	56
638	Programmed Coassembly of One-Dimensional Binary Superstructures by Liquid Soft Confinement. <i>Journal of the American Chemical Society</i> , 2018, 140, 18-21.	6.6	34
639	Anisotropic magnetic nanoparticles: A review of their properties, syntheses and potential applications. <i>Progress in Materials Science</i> , 2018, 95, 286-328.	16.0	229
640	Tailoring two-dimensional nanoparticle arrays into various patterns. <i>Nanotechnology</i> , 2018, 29, 044003.	1.3	1
641	Bio-inspired synthesis of a hierarchical self-assembled zinc phosphate nanostructure in the presence of cowpea mosaic virus: <i>in vitro</i> cell cycle, proliferation and prospects for tissue regeneration. <i>Biomedical Materials (Bristol)</i> , 2018, 13, 015013.	1.7	4
642	Electrospinning Construction of Flexible Composite Nanoribbons with Color-Tunable Fluorescence. <i>Russian Journal of Physical Chemistry A</i> , 2018, 92, 2257-2264.	0.1	2
643	Synthesis of Polylysine/Silica Hybrids through Branched-Polylysine-Mediated Biosilicification. <i>ACS Omega</i> , 2018, 3, 17573-17580.	1.6	7
644	Nanocombing Effect Leads to Nanowire-Based, in-Plane, Uniaxial Thin Films. <i>ACS Nano</i> , 2018, 12, 12701-12712.	7.3	12
645	Impacts of surfactants on dissolution and sulfidation of silver nanowires in aquatic environments. <i>Environmental Science: Nano</i> , 2018, 5, 2452-2460.	2.2	11
646	Nanoparticles as a Solution for Eliminating the Risk of Mycotoxins. <i>Nanomaterials</i> , 2018, 8, 727.	1.9	90
647	How to design models for ceria nanoparticles: Challenges and strategies for describing nanostructured reducible oxides. <i>Frontiers of Nanoscience</i> , 2018, 12, 55-99.	0.3	6
648	Morphological Diversity, Protein Adsorption, and Cellular Uptake of Polydopamine-Coated Gold Nanoparticles. <i>Langmuir</i> , 2018, 34, 14033-14045.	1.6	32
649	Self-Assembly of heterogeneous nano-chain and nano-sheet through the "breaking-to-assembling" route. <i>Ceramics International</i> , 2018, 44, 23305-23309.	2.3	2
650	Investigation of various synthetic protocols for self-assembled nanomaterials and their role in catalysis: progress and perspectives. <i>Materials Today Chemistry</i> , 2018, 10, 31-78.	1.7	5
651	Supraparticles: Functionality from Uniform Structural Motifs. <i>ACS Nano</i> , 2018, 12, 5093-5120.	7.3	169
652	Assembly of Protein Stacks With in Situ Synthesized Nanoparticle Cargo. <i>Nano Letters</i> , 2018, 18, 5138-5145.	4.5	24
653	Two-dimensional clusters from the self-assembly of oppositely charged particles. <i>Chemical Physics Letters</i> , 2018, 706, 586-593.	1.2	1

#	ARTICLE	IF	CITATIONS
654	Tutorial: Product properties in multiferroic nanocomposites. <i>Journal of Applied Physics</i> , 2018, 124, .	1.1	32
655	Self-Organized, One-Dimensional Periodic Structures in a Gold Nanoparticle-Doped Nematic Liquid Crystal Composite. <i>ACS Nano</i> , 2019, 13, 10154-10160.	7.3	28
656	Dimension-shifting multifunctional biocompatible nanocomposites. <i>Soft Matter</i> , 2019, 15, 6626-6629.	1.2	1
657	Defect-Driven Magnetization Configuration of Isolated Linear Assemblies of Iron Oxide Nanoparticles. <i>Advanced Functional Materials</i> , 2019, 29, 1903927.	7.8	7
658	Smart Lipid Nanotubes for Easy Formation of Gold-Lipid Hybrid Nanotubes and Tunable Gold Superstructures. <i>ChemistrySelect</i> , 2019, 4, 10276-10287.	0.7	1
659	Impacts of sulfidation of silver nanowires on the degradation of bisphenol A in water. <i>Ecotoxicology and Environmental Safety</i> , 2019, 185, 109739.	2.9	2
660	Recent advances in one-dimensional assembly of nanoparticles. <i>Chemical Society Reviews</i> , 2019, 48, 8-21.	18.7	57
661	Solid-state growth of Ag nanowires and analysis of the self-growing process on a bio-polymer chitosan film. <i>New Journal of Chemistry</i> , 2019, 43, 3529-3535.	1.4	1
662	Controlled synthesis of silver nanoparticles from polyoxometalates-immobilized poly(4-vinylpyridine) brushes. <i>Chinese Chemical Letters</i> , 2019, 30, 1097-1099.	4.8	10
663	Composites and Nanocomposites. <i>Polymers and Polymeric Composites</i> , 2019, , 447-512.	0.6	2
664	Composites and Nanocomposites. <i>Polymers and Polymeric Composites</i> , 2019, , 1-67.	0.6	2
665	Chiral mesostructured SnO ₂ films with tunable optical activities. <i>Optical Materials</i> , 2019, 94, 21-27.	1.7	9
666	Magnetic field-assisted assembly of iron oxide mesocrystals: a matter of nanoparticle shape and magnetic anisotropy. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 894-900.	1.5	17
667	Fabrication of Fe ₃ O ₄ -based ternary magnetic microsphere catalysts based on supramolecular chemistry and their catalytic performance. <i>New Journal of Chemistry</i> , 2019, 43, 8482-8491.	1.4	1
668	Nonviolent Self-Catabolic DNAzyme Nanosponges for Smart Anticancer Drug Delivery. <i>ACS Nano</i> , 2019, 13, 5852-5863.	7.3	133
669	Interactions Between Nanoparticles and Carbon Nanotubes: Directing the Self-Assembly of One-Dimensional Superstructures. , 2019, , 219-236.		0
670	Controlling Nanoparticle Orientations in the Self-Assembly of Patchy Quantum Dot-Gold Heterostructural Nanocrystals. <i>Journal of the American Chemical Society</i> , 2019, 141, 6013-6021.	6.6	49
671	Assembly of particle strings via isotropic potentials. <i>Journal of Chemical Physics</i> , 2019, 150, 124903.	1.2	20

#	ARTICLE	IF	CITATIONS
672	Flexible Polymer-Assisted Mesoscale Self-Assembly of Colloidal CsPbBr ₃ Perovskite Nanocrystals into Higher Order Superstructures with Strong Inter-Nanocrystal Electronic Coupling. <i>Journal of the American Chemical Society</i> , 2019, 141, 1526-1536.	6.6	54
673	Quasi-Two-Dimensional Assembly of Bottlebrush Block Copolymers with Nanoparticles in Ultrathin Films: Combined Effect of Graft Asymmetry and Nanoparticle Size. <i>Macromolecules</i> , 2019, 52, 196-207.	2.2	17
674	2D μ -Fe ₃ N nano-sheet and 1D Fe ₃ O ₄ /Fe ₃ N heterogeneous nano-chain: The directing agent for the BiOCl growth. <i>Applied Surface Science</i> , 2019, 465, 1019-1027.	3.1	7
675	Hierarchical microfibrillar gels from evaporation-induced anisotropic self-assembly of in situ-generated nanocrystals. <i>Journal of Colloid and Interface Science</i> , 2020, 558, 78-84.	5.0	4
676	Wire-Like Tip-to-Tip Linked Assemblies of CdSe/CdS Quantum Rods Promoted on Supramolecular Nanofibers of Hybrid Organo- and Hydrogels. <i>ChemNanoMat</i> , 2020, 6, 79-88.	1.5	3
677	Synthesis of anisotropic Au-Cu alloy nanostructures and its application in SERS for detection of methylene blue. <i>Materials Research Express</i> , 2020, 7, 015052.	0.8	10
678	Gum Arabic polymer-stabilized and Gamma rays-assisted synthesis of bimetallic silver-gold nanoparticles: Powerful antimicrobial and antibiofilm activities against pathogenic microbes isolated from diabetic foot patients. <i>International Journal of Biological Macromolecules</i> , 2020, 165, 169-186.	3.6	46
679	Symmetry breaking of Au nanospheres confined in 1D nanocylinders: exploring helical assembly by 3D transmission electron microscopy. <i>Materials Chemistry Frontiers</i> , 2020, 4, 3032-3039.	3.2	5
681	Colloidal Assembly and Active Tuning of Coupled Plasmonic Nanospheres. <i>Trends in Chemistry</i> , 2020, 2, 593-608.	4.4	34
682	Self-assembled peptide-inorganic nanoparticle superstructures: from component design to applications. <i>Chemical Communications</i> , 2020, 56, 8000-8014.	2.2	43
683	Linker-assisted structuration of tunable uranium-based hybrid lamellar nanomaterials. <i>New Journal of Chemistry</i> , 2020, 44, 8463-8470.	1.4	3
684	Cellular Uptake and Cytotoxicity of Varying Aspect Ratios of Gold Nanorods in HeLa Cells. <i>ACS Applied Bio Materials</i> , 2020, 3, 1374-1384.	2.3	20
685	Impacts of Proteins on Dissolution and Sulfidation of Silver Nanowires in an Aquatic Environment: Importance of Surface Charges. <i>Environmental Science & Technology</i> , 2020, 54, 5560-5568.	4.6	19
686	Nanoassembled Interface for Dynamics Tailoring. <i>Accounts of Chemical Research</i> , 2021, 54, 35-45.	7.6	13
687	Coupled Colloidal Quantum Dot Molecules. <i>Accounts of Chemical Research</i> , 2021, 54, 1178-1188.	7.6	34
688	Understanding and Controlling the Crystallization Process in Reconfigurable Plasmonic Superlattices. <i>ACS Nano</i> , 2021, 15, 4916-4926.	7.3	10
689	Carbon/graphene quantum dot and conjugated polymer nanostructures impart unprecedented high efficiencies in routine P3HT:PCBM photovoltaics. <i>Solar Energy</i> , 2021, 215, 77-91.	2.9	5
690	Nanoscale Terahertz Monitoring on Multiphase Dynamic Assembly of Nanoparticles under Aqueous Environment. <i>Advanced Science</i> , 2021, 8, e2004826.	5.6	12

#	ARTICLE	IF	CITATIONS
691	Unravelling Magnetic Nanochain Formation in Dispersion for In Vivo Applications. <i>Advanced Materials</i> , 2021, 33, e2008683.	11.1	11
692	3D Printing-Enabled Nanoparticle Alignment: A Review of Mechanisms and Applications. <i>Small</i> , 2021, 17, e2100817.	5.2	61
693	Assembly of Bottlebrush Block Copolymers and Nanoparticles in Ultrathin Films: Effect of Substrate-Copolymer Interaction on the Nanocomposite Morphology. <i>Macromolecules</i> , 2021, 54, 6247-6256.	2.2	7
694	Bacteriophage-Templated Assembly of Magnetic Nanoparticles and Their Actuation Potential. <i>ChemNanoMat</i> , 2021, 7, 942-949.	1.5	3
695	Photoinduced Self-Assembly of Carbon Nitride Quantum Dots. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19413-19418.	7.2	39
696	Photoinduced Self-Assembly of Carbon Nitride Quantum Dots. <i>Angewandte Chemie</i> , 2021, 133, 19562-19567.	1.6	4
697	Microbial cell factories a new dimension in bio-nanotechnology: exploring the robustness of nature. <i>Critical Reviews in Microbiology</i> , 2022, 48, 397-427.	2.7	5
698	Sustainable and green trends in using plant extracts for the synthesis of biogenic metal nanoparticles toward environmental and pharmaceutical advances: A review. <i>Environmental Research</i> , 2021, 202, 111622.	3.7	113
699	One-dimensional assembly of β -form anhydrous guanine microrods. <i>Soft Matter</i> , 2021, 17, 1955-1962.	1.2	3
700	Nanoelectronics and Photonics for Next-Generation Devices. , 2021, , 293-313.		2
701	Assembly. <i>Engineering Materials and Processes</i> , 2009, , 129-145.	0.2	2
702	Advanced Bonding Technology Based on Nano- and Micro-metal Pastes. , 2017, , 589-626.		9
703	Magnetic Rotational Spectroscopy for Probing Rheology of Nanoliter Droplets and Thin Films. , 2017, , 51-83.		9
704	Nanoparticles Biosynthesized by Yeast: A Review of their application. <i>Kvasn$\frac{1}{2}$ Pr\AA-mysl</i> , 2017, 63, 290-292.	0.1	30
705	Nano-Scale Modelling and Simulation of Metal Wire Drawing by Using Molecular Dynamics Method. <i>World Journal of Nano Science and Engineering</i> , 2014, 04, 70-83.	0.3	4
706	Colloidal Synthesis of Octahedral Shaped PbSe Nanocrystals from Lead Oleate and Se : Temperature Effect. <i>Bulletin of the Korean Chemical Society</i> , 2005, 26, 1803-1806.	1.0	9
707	Formation and Characterization of Two-Dimensional Arrays of Silver Oxide Nanoparticles under Langmuir Monolayers of n-Hexadecyl Dihydrogen Phosphate. <i>Bulletin of the Korean Chemical Society</i> , 2008, 29, 2368-2372.	1.0	11
708	Synthesis and Catalytic Applications of Ruthenium(0) Nanoparticles in Click Chemistry. <i>Bulletin of the Korean Chemical Society</i> , 2014, 35, 1144-1148.	1.0	17

#	ARTICLE	IF	CITATIONS
709	Laser-Based Lithography for Polymeric Nanocomposite Structures. , 0, , .		2
710	Divalent Multilinking Bonds Control Growth and Morphology of Nanopolymers. Nano Letters, 2021, 21, 10547-10554.	4.5	15
713	Permanent Supracolloidal Biparticle Assembly Triggered by an Electric Field. Springer Theses, 2014, , 131-139.	0.0	0
714	Assemblies of Polymer-Based Nanoscopic Objects. , 2016, , .		0
715	Optical Properties of Bulk and Nanocrystalline Cadmium Telluride. , 2016, , 13-34.		0
716	Spindle-shaped Fe ₂ O ₃ Nanoparticle Coated Carbon Nanofiber Composites. Journal of Korean Powder Metallurgy Institute, 2016, 23, 95-101.	0.2	1
717	Recent Developments in Synthesis of Colloidal Quantum Dots. Journal of Korean Powder Metallurgy Institute, 2018, 25, 346-354.	0.2	0
718	Effect of different parameters on the carrier mobility in NWTFET. Semiconductor Physics, Quantum Electronics and Optoelectronics, 2020, 23, 141-145.	0.3	0
719	Atomically Thin Materials for Next-Generation Rechargeable Batteries. Chemical Reviews, 2022, 122, 957-999.	23.0	87
720	Nanoelectronics and Photonics for Next Generation Devices. , 2021, , 1-21.		0
721	Electrical Excitation Decay Time in Chains of Nanoscale Non-Point Dipoles. Nanomaterials, 2021, 11, 74.	1.9	0
722	Nanoparticle-assembled interface for tailoring dynamics of chemical reactions. , 2021, , .		0
723	Controlling local relaxation in small clusters of magnetic nanoparticles. Physica B: Condensed Matter, 2022, 628, 413610.	1.3	1
724	Aqueous phase- and size-controlled synthesis, and secondary assemblies of CdS nanocrystals at room temperature. CrystEngComm, 2021, 24, 43-47.	1.3	1
725	Colloidal CdS Quantum Dot Fibers Prepared by Electrospinning of Their Wet Gel for Quantum Nanowires. ACS Applied Nano Materials, 2022, 5, 3756-3762.	2.4	1
726	Soft Bioelectronics Based on Nanomaterials. Chemical Reviews, 2022, 122, 5068-5143.	23.0	72
727	Circular dichroism of one-dimensional chain of Au-Fe alloy nanoparticles for refractive index sensing applications. Journal of Nanoparticle Research, 2022, 24, 1.	0.8	0
728	Paper-based flexible, VIS-NIR photodetector with actively variable spectrum and enhanced responsivity using surface engineered transitional metal buffer layer. FlatChem, 2022, 33, 100370.	2.8	12

#	ARTICLE	IF	CITATIONS
729	Self-assembled Cu ₂ S nanochains network with tunable diameters for efficient photothermal conversion. <i>Journal of Alloys and Compounds</i> , 2022, 910, 164958.	2.8	4
732	From binary AB to ternary ABC supraparticles. <i>Materials Horizons</i> , 2022, 9, 2572-2580.	6.4	2
733	Self-Assembled Gold Nano-Bipyramids for Solution-Based Surface-Enhanced Raman Spectroscopy Detection. <i>ACS Applied Nano Materials</i> , 2022, 5, 10421-10430.	2.4	6
734	Mixed-Valence Pt(0)/Pt ²⁺ Nanoassemblies as High-Z Radiosensitizers and Metallo-Immune Regulators for Potent Radiotherapy of Breast Cancer. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
735	Mixed-valence Pt(0)/Pt ²⁺ nanoassemblies as high-Z radiosensitizers and metallo-immune regulators for potent radiotherapy of breast cancer. <i>Nano Today</i> , 2023, 48, 101708.	6.2	8
736	Self-assembly of colloidal nanoparticles into low-dimensional structures in a dynamic environment. , 2022, , .		0
737	Fabrication Techniques. <i>Synthesis Lectures on Materials and Optics</i> , 2023, , 31-96.	0.2	0
738	Au-Loaded Superparamagnetic Mesoporous Bimetallic CoFeB Nanovehicles for Sensitive Autoantibody Detection. <i>ACS Nano</i> , 2023, 17, 3346-3357.	7.3	22
739	Improved field emission stability with a high current density of decorated CNTs for electron emission devices. <i>Journal of Materials Science: Materials in Electronics</i> , 2023, 34, .	1.1	3
740	Alarming Viral Pathogens in Shrimp Industry and Nanotechnology. <i>Nanotechnology in the Life Sciences</i> , 2023, , 115-126.	0.4	0
741	Recent advances in nanostructured materials: A look at the applications in optical chemical sensing. <i>Materials Today Nano</i> , 2023, 22, 100345.	2.3	4