Katsuhiko Ariga

List of Publications by Year
in descending order

907 papers	55,167 citations	807 118 h-index	2675 193 g-index
988 all docs	988 docs citations	988 times ranked	39954 citing authors

#	Article	IF	Citations
1	Assembly of Multicomponent Protein Films by Means of Electrostatic Layer-by-Layer Adsorption. Journal of the American Chemical Society, 1995, 117, 6117-6123.	6.6	1,382
2	Layer-by-layer assembly as a versatile bottom-up nanofabrication technique for exploratory research and realistic application. Physical Chemistry Chemical Physics, 2007, 9, 2319.	1.3	1,143
3	Layer-by-layer Nanoarchitectonics: Invention, Innovation, and Evolution. Chemistry Letters, 2014, 43, 36-68.	0.7	813
4	A new family of carbon materials: synthesis of MOF-derived nanoporous carbons and their promising applications. Journal of Materials Chemistry A, 2013, 1, 14-19.	5.2	739
5	Challenges and breakthroughs in recent research on self-assembly. Science and Technology of Advanced Materials, 2008, 9, 014109.	2.8	695
6	Nanoarchitectonics for Mesoporous Materials. Bulletin of the Chemical Society of Japan, 2012, 85, 1-32.	2.0	650
7	Nanoporous carbons through direct carbonization of a zeolitic imidazolate framework for supercapacitor electrodes. Chemical Communications, 2012, 48, 7259.	2.2	624
8	Direct Carbonization of Al-Based Porous Coordination Polymer for Synthesis of Nanoporous Carbon. Journal of the American Chemical Society, 2012, 134, 2864-2867.	6.6	588
9	Direct Synthesis of MOFâ€Derived Nanoporous Carbon with Magnetic Co Nanoparticles toward Efficient Water Treatment. Small, 2014, 10, 2096-2107.	5.2	588
10	Preparation and Characterization of Well-Ordered Hexagonal Mesoporous Carbon Nitride. Advanced Materials, 2005, 17, 1648-1652.	11.1	512
11	Templated Synthesis for Nanoarchitectured Porous Materials. Bulletin of the Chemical Society of Japan, 2015, 88, 1171-1200.	2.0	512
12	Assembling Alternate Dyeâ^'Polyion Molecular Films by Electrostatic Layer-by-Layer Adsorption. Journal of the American Chemical Society, 1997, 119, 2224-2231.	6.6	503
13	Nanoarchitectonics for Dynamic Functional Materials from Atomicâ€/Molecularâ€Level Manipulation to Macroscopic Action. Advanced Materials, 2016, 28, 1251-1286.	11.1	441
14	Alternate Assembly of Ordered Multilayers of SiO2and Other Nanoparticles and Polyions. Langmuir, 1997, 13, 6195-6203.	1.6	435
15	X-ray peak broadening analysis in ZnO nanoparticles. Solid State Communications, 2009, 149, 1919-1923.	0.9	421
16	25th Anniversary Article: What Can Be Done with the Langmuirâ€Blodgett Method? Recent Developments and its Critical Role in Materials Science. Advanced Materials, 2013, 25, 6477-6512.	11.1	411
17	Molecular Recognition at Airâ^'Water and Related Interfaces:Â Complementary Hydrogen Bonding and Multisite Interaction. Accounts of Chemical Research, 1998, 31, 371-378.	7.6	406
18	Layer-by-layer self-assembled shells for drug delivery. Advanced Drug Delivery Reviews, 2011, 63, 762-771.	6.6	404

#	Article	IF	Citations
19	Redox-Active Polymers for Energy Storage Nanoarchitectonics. Joule, 2017, 1, 739-768.	11.7	400
20	Mechanical Control of Nanomaterials and Nanosystems. Advanced Materials, 2012, 24, 158-176.	11.1	389
21	Enzyme nanoarchitectonics: organization and device application. Chemical Society Reviews, 2013, 42, 6322.	18.7	376
22	Molecular recognition: from solution science to nano/materials technology. Chemical Society Reviews, 2012, 41, 5800.	18.7	371
23	Two-Dimensional (2D) Nanomaterials towards Electrochemical Nanoarchitectonics in Energy-Related Applications. Bulletin of the Chemical Society of Japan, 2017, 90, 627-648.	2.0	369
24	Forming nanomaterials as layered functional structures toward materials nanoarchitectonics. NPG Asia Materials, 2012, 4, e17-e17.	3.8	366
25	Self-assembly as a key player for materials nanoarchitectonics. Science and Technology of Advanced Materials, 2019, 20, 51-95.	2.8	322
26	Gold Nanoparticles Embedded in a Mesoporous Carbon Nitride Stabilizer for Highly Efficient Threeâ€Component Coupling Reaction. Angewandte Chemie - International Edition, 2010, 49, 5961-5965.	7.2	321
27	Porphyrin-based sensor nanoarchitectonics in diverse physical detection modes. Physical Chemistry Chemical Physics, 2014, 16, 9713.	1.3	319
28	Photocatalytic activity of La-doped ZnO for the degradation of monocrotophos in aqueous suspension. Journal of Molecular Catalysis A, 2007, 266, 149-157.	4.8	315
29	Amphiphile nanoarchitectonics: from basic physical chemistry to advanced applications. Physical Chemistry Chemical Physics, 2013, 15, 10580.	1.3	311
30	Nanoarchitectonics: A Conceptual Paradigm for Design and Synthesis of Dimension-Controlled Functional Nanomaterials. Journal of Nanoscience and Nanotechnology, 2011, 11, 1-13.	0.9	309
31	Recent Advances in Functionalization of Mesoporous Silica. Journal of Nanoscience and Nanotechnology, 2005, 5, 347-371.	0.9	306
32	Characterization of Polyelectrolyteâ^'Protein Multilayer Films by Atomic Force Microscopy, Scanning Electron Microscopy, and Fourier Transform Infrared Reflectionâ^'Absorption Spectroscopy. Langmuir, 1998, 14, 4559-4565.	1.6	299
33	Layerâ€byâ€Layer Films of Graphene and Ionic Liquids for Highly Selective Gas Sensing. Angewandte Chemie - International Edition, 2010, 49, 9737-9739.	7.2	296
34	Electrochemical nanoarchitectonics and layer-by-layer assembly: From basics to future. Nano Today, 2015, 10, 138-167.	6.2	284
35	Advances in Biomimetic and Nanostructured Biohybrid Materials. Advanced Materials, 2010, 22, 323-336.	11.1	275
36	Formation of Ultrathin Multilayer and Hydrated Gel from Montmorillonite and Linear Polycations. Langmuir, 1996, 12, 3038-3044.	1.6	274

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37	Nanoarchitectonics: a new materials horizon for nanotechnology. Materials Horizons, 2015, 2, 406-413.	6.4	270
38	Chemistry Can Make Strict and Fuzzy Controls for Bio-Systems: DNA Nanoarchitectonics and Cell-Macromolecular Nanoarchitectonics. Bulletin of the Chemical Society of Japan, 2017, 90, 967-1004.	2.0	257
39	Synthesis of Nanoporous Carbonâ€“Cobaltâ€Oxide Hybrid Electrocatalysts by Thermal Conversion of Metalâ€“Organic Frameworks. Chemistry - A European Journal, 2014, 20, 4217-4221.	1.7	253
40	Sequential actions of glucose oxidase and peroxidase in molecular films assembled by layer-by-layer alternate adsorption. , 1996, 51, 163-167.		243
41	The Way to Nanoarchitectonics and the Way of Nanoarchitectonics. Advanced Materials, 2016, 28, 989-992.	11.1	242
42	Bioactive nanocarbon assemblies: Nanoarchitectonics and applications. Nano Today, 2014, 9, 378-394.	6.2	236
43	Natural Tubule Clay Template Synthesis of Silver Nanorods for Antibacterial Composite Coating. ACS Applied Materials & Interfaces, 2011, 3, 4040-4046.	4.0	235
44	Directing Assembly and Disassembly of 2D MoS₂ Nanosheets with DNA for Drug Delivery. ACS Applied Materials & Interfaces, 2017, 9, 15286-15296.	4.0	232
45	A careful examination of the adsorption step in the alternate layer-by-layer assembly of linear polyanion and polycation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1999, 146, 337-346.	2.3	229
46	Nanoarchitectonics: what's coming next after nanotechnology?. Nanoscale Horizons, 2021, 6, 364-378.	4.1	221
47	Molecular Recognition of Nucleotides by the Guanidinium Unit at the Surface of Aqueous Micelles and Bilayers. A Comparison of Microscopic and Macroscopic Interfaces. Journal of the American Chemical Society, 1996, 118, 8524-8530.	6.6	219
48	Biomaterial Immobilization in Nanoporous Carbon Molecular Sieves:â€‰ Influence of Solution pH, Pore Volume, and Pore Diameter. Journal of Physical Chemistry B, 2005, 109, 6436-6441.	1.2	219
49	Soft Langmuirâ€“Blodgett Technique for Hard Nanomaterials. Advanced Materials, 2009, 21, 2959-2981.	11.1	219
50	Molecular Imprinting: Materials Nanoarchitectonics with Molecular Information. Bulletin of the Chemical Society of Japan, 2018, 91, 1075-1111.	2.0	215
51	Regulation of Î²-Sheet Structures within Amyloid-Like Î²-Sheet Assemblage from Tripeptide Derivatives. Journal of the American Chemical Society, 1998, 120, 12192-12199.	6.6	208
52	Layered Paving of Vesicular Nanoparticles Formed with Cerasome as a Bioinspired Organicâ^'Inorganic Hybrid. Journal of the American Chemical Society, 2002, 124, 7892-7893.	6.6	208
53	Inorganic Nanoarchitectonics for Biological Applications. Chemistry of Materials, 2012, 24, 728-737.	3.2	206
54	What are the emerging concepts and challenges in NANO? Nanoarchitectonics, hand-operating nanotechnology and mechanobiology. Polymer Journal, 2016, 48, 371-389.	1.3	205

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55	Fullerene Nanoarchitectonics: From Zero to Higher Dimensions. Chemistry - an Asian Journal, 2013, 8, 1662-1679.	1.7	198
56	Preparation of Highly Ordered Nitrogenâ€Containing Mesoporous Carbon from a Gelatin Biomolecule and its Excellent Sensing of Acetic Acid. Advanced Functional Materials, 2012, 22, 3596-3604.	7.8	194
57	Sequential reaction and product separation on molecular films of glucoamylase and glucose oxidase assembled on an ultrafilter. Journal of Bioscience and Bioengineering, 1996, 82, 502-506.	0.9	190
58	Photocatalytic degradation of 2,4,6-trichlorophenol using lanthanum doped ZnO in aqueous suspension. Catalysis Communications, 2007, 8, 1377-1382.	1.6	189
59	Synthesis of Monocrystalline Nanoframes of Prussian Blue Analogues by Controlled Preferential Etching. Angewandte Chemie - International Edition, 2016, 55, 8228-8234.	7.2	184
60	Solvent Engineering for Shape-Shifter Pure Fullerene (C₆₀). Journal of the American Chemical Society, 2009, 131, 6372-6373.	6.6	183
61	Activity and stability of glucose oxidase in molecular films assembled alternately with polyions. Journal of Bioscience and Bioengineering, 1999, 87, 69-75.	1.1	181
62	Coordination chemistry and supramolecular chemistry in mesoporous nanospace. Coordination Chemistry Reviews, 2007, 251, 2562-2591.	9.5	179
63	Carboxy-mesoporous carbon and its excellent adsorption capability for proteins. Journal of Materials Chemistry, 2007, 17, 1819.	6.7	177
64	Nanoarchitectonics beyond Selfâ€Assembly: Challenges to Create Bioâ€Like Hierarchic Organization. Angewandte Chemie - International Edition, 2020, 59, 15424-15446.	7.2	176
65	Bis(alkylguanidinium) receptors for phosphodiesters: effect of counterions, solvent mixtures, and cavity flexibility on complexation. Journal of the American Chemical Society, 1993, 115, 10042-10055.	6.6	175
66	Layer-by-Layer Assembly of Alternate Protein/Polyion Ultrathin Films. Chemistry Letters, 1994, 23, 2323-2326.	0.7	172
67	Selective, sensitive and reversible â€œturn-onâ€•fluorescent cyanide probes based on 2,2â€²-dipyridylaminoanthraceneâ€“Cu2+ ensembles. Chemical Communications, 2012, 48, 11513.	2.2	170
68	Thinâ€Filmâ€Based Nanoarchitectures for Soft Matter: Controlled Assemblies into Twoâ€Dimensional Worlds. Small, 2011, 7, 1288-1308.	5.2	169
69	Mechanical Control of Enantioselectivity of Amino Acid Recognition by Cholesterol-Armed Cyclen Monolayer at the Air-Water Interface. Journal of the American Chemical Society, 2006, 128, 14478-14479.	6.6	166
70	Nanocarbon Superhydrophobic Surfaces created from Fullereneâ€Based Hierarchical Supramolecular Assemblies. Advanced Materials, 2008, 20, 443-446.	11.1	165
71	MOF-derived Nanoporous Carbon as Intracellular Drug Delivery Carriers. Chemistry Letters, 2014, 43, 717-719.	0.7	165
72	Synthesis of Mesoporous BN and BCN Exhibiting Large Surface Areas via Templating Methods. Chemistry of Materials, 2005, 17, 5887-5890.	3.2	164

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73	Catalytic nanoarchitectonics for environmentally compatible energy generation. Materials Today, 2016, 19, 12-18.	8.3	163
74	Adsorption of l-histidine over mesoporous carbon molecular sieves. Carbon, 2006, 44, 530-536.	5.4	162
75	<I>A Special Section on</I> Nanocomposites and Nanoporous Materials. Journal of Nanoscience and Nanotechnology, 2010, 10, 1-2.	0.9	157
76	Hierarchical supramolecular fullerene architectures with controlled dimensionality. Chemical Communications, 2005, , 5982.	2.2	156
77	New families of mesoporous materials. Science and Technology of Advanced Materials, 2006, 7, 753-771.	2.8	156
78	Materials nanoarchitectonics for environmental remediation and sensing. Journal of Materials Chemistry, 2012, 22, 2369-2377.	6.7	156
79	The Past and the Future of Langmuir and Langmuirâ€“Blodgett Films. Chemical Reviews, 2022, 122, 6459-6513.	23.0	155
80	All-Metal Layer-by-Layer Films: Bimetallic Alternate Layers with Accessible Mesopores for Enhanced Electrocatalysis. Journal of the American Chemical Society, 2012, 134, 10819-10821.	6.6	154
81	Benzylation of benzene and other aromatics by benzyl chloride over mesoporous AlSBA-15 catalysts. Microporous and Mesoporous Materials, 2005, 80, 195-203.	2.2	153
82	Control of Morphology and Helicity of Chiral Mesoporous Silica. Advanced Materials, 2006, 18, 593-596.	11.1	151
83	Formation of wormlike micelle in a mixed amino-acid based anionic surfactant and cationic surfactant systems. Journal of Colloid and Interface Science, 2007, 311, 276-284.	5.0	151
84	Steric hindrance-enforced distortion as a general strategy for the design of fluorescence â€œturn-onâ€• cyanide probes. Chemical Communications, 2013, 49, 10136.	2.2	151
85	Supramolecular Chiral Nanoarchitectonics. Advanced Materials, 2020, 32, e1905657.	11.1	150
86	Nanoarchitectonics for Hybrid and Related Materials for Bioâ€Oriented Applications. Advanced Functional Materials, 2018, 28, 1702905.	7.8	149
87	Photocatalytic Water Splitting under Visible Light by Mixed-Valence Sn₃O₄. ACS Applied Materials & Interfaces, 2014, 6, 3790-3793.	4.0	148
88	Two-dimensional nanoarchitectonics based on self-assembly. Advances in Colloid and Interface Science, 2010, 154, 20-29.	7.0	146
89	Langmuir-Blodgett films of an enzyme-lipid complex for sensor membranes. Langmuir, 1988, 4, 1373-1375.	1.6	145
90	A Condensable Amphiphile with a Cleavable Tail as a â€œLizardâ€•Template for the Solâ^'Gel Synthesis of Functionalized Mesoporous Silica. Journal of the American Chemical Society, 2004, 126, 988-989.	6.6	145

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91	Large pore cage type mesoporous carbon, carbon nanocage: a superior adsorbent for biomaterials. Journal of Materials Chemistry, 2005, 15, 5122.	6.7	144
92	Electrochemical-Coupling Layer-by-Layer (ECCâ€“LbL) Assembly. Journal of the American Chemical Society, 2011, 133, 7348-7351.	6.6	144
93	Layer-by-Layer Films of Dual-Pore Carbon Capsules with Designable Selectivity of Gas Adsorption. Journal of the American Chemical Society, 2009, 131, 4220-4221.	6.6	143
94	Donâ€™t Forget Langmuirâ€“Blodgett Films 2020: Interfacial Nanoarchitectonics with Molecules, Materials, and Living Objects. Langmuir, 2020, 36, 7158-7180.	1.6	143
95	Preparation and Characterization of a Novel Organicâ€“Inorganic Nanohybrid â€œCerasomeâ€•Formed with a Liposomal Membrane and Silicate Surface. Chemistry - A European Journal, 2007, 13, 5272-5281.	1.7	142
96	Stimuli-Free Auto-Modulated Material Release from Mesoporous Nanocompartment Films. Journal of the American Chemical Society, 2008, 130, 2376-2377.	6.6	142
97	Piezoluminescence Based on Molecular Recognition by Dynamic Cavity Array of Steroid Cyclophanes at the Airâ^'Water Interface. Journal of the American Chemical Society, 2000, 122, 7835-7836.	6.6	141
98	Fullerene Crystals with Bimodal Pore Architectures Consisting of Macropores and Mesopores. Journal of the American Chemical Society, 2013, 135, 586-589.	6.6	141
99	A Layered Mesoporous Carbon Sensor Based on Nanoporeâ€Filling Cooperative Adsorption in the Liquid Phase. Angewandte Chemie - International Edition, 2008, 47, 7254-7257.	7.2	140
100	A grapheneâ€“polyurethane composite hydrogel as a potential bioink for 3D bioprinting and differentiation of neural stem cells. Journal of Materials Chemistry B, 2017, 5, 8854-8864.	2.9	139
101	Direct Synthesis of Well-Ordered and Unusually Reactive FeSBA-15 Mesoporous Molecular Sieves. Chemistry of Materials, 2005, 17, 5339-5345.	3.2	138
102	Polymeric Micelle Assembly for Preparation of Large-Sized Mesoporous Metal Oxides with Various Compositions. Langmuir, 2014, 30, 651-659.	1.6	138
103	Hierarchically Structured Fullerene C₇₀ Cube for Sensing Volatile Aromatic Solvent Vapors. ACS Nano, 2016, 10, 6631-6637.	7.3	137
104	Enhanced imidazole-catalyzed RNA cleavage induced by a bis-alkylguanidinium receptor. Journal of the American Chemical Society, 1993, 115, 362-364.	6.6	134
105	One-Pot Separation of Tea Components through Selective Adsorption on Pore-Engineered Nanocarbon, Carbon Nanocage. Journal of the American Chemical Society, 2007, 129, 11022-11023.	6.6	134
106	Flowerâ€shaped Supramolecular Assemblies: Hierarchical Organization of a Fullerene Bearing Long Aliphatic Chains. Small, 2007, 3, 2019-2023.	5.2	134
107	Gold Nanoparticles Aggregation: Drastic Effect of Cooperative Functionalities in a Single Molecular Conjugate. Journal of Physical Chemistry C, 2012, 116, 2683-2690.	1.5	134
108	Preparations of Langmuir-Blodgett films of enzyme-lipid complexes: A glucose sensor membrane. Thin Solid Films, 1989, 180, 65-72.	0.8	132

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109	Molecular film assembly via layer-by-layer adsorption of oppositely charged macromolecules (linear) Tj ETQq1 1 0.784314 rgBT /Overlock	0.8	132
110	Piezoluminescence at the Airâ^'Water Interface through Dynamic Molecular Recognition Driven by Lateral Pressure Application. Langmuir, 2005, 21, 976-981.	1.6	131
111	Room Temperature Liquid Fullerenes:Â An Uncommon Morphology of C60Derivatives. Journal of the American Chemical Society, 2006, 128, 10384-10385.	6.6	131
112	A Polymerâ€Electrolyteâ€Based Atomic Switch. Advanced Functional Materials, 2011, 21, 93-99.	7.8	130
113	Î²-Cyclodextrin-crosslinked alginate gel for patient-controlled drug delivery systems: regulation of hostâ€"guest interactions with mechanical stimuli. Journal of Materials Chemistry B, 2013, 1, 2155.	2.9	130
114	First Synthesis of Phenylazomethine Dendrimer Ligands and Structural Studies. Journal of the American Chemical Society, 2001, 123, 4414-4420.	6.6	129
115	Bioinspired nanoarchitectonics as emerging drug delivery systems. New Journal of Chemistry, 2014, 38, 5149-5163.	1.4	128
116	Three-Dimensional Cage Type Mesoporous CN-Based Hybrid Material with Very High Surface Area and Pore Volume. Chemistry of Materials, 2007, 19, 4367-4372.	3.2	127
117	Perfectly Straight Nanowires of Fullerenes Bearing Long Alkyl Chains on Graphite. Journal of the American Chemical Society, 2006, 128, 6328-6329.	6.6	123
118	Visually resolving the direct Z-scheme heterojunction in CdS@ZnIn2S4 hollow cubes for photocatalytic evolution of H2 and H2O2 from pure water. Applied Catalysis B: Environmental, 2021, 293, 120213.	10.8	123
119	Preparation of Organic-Inorganic Hybrid Vesicle â€œCerasomeâ€•Derived from Artificial Lipid with Alkoxysilyl Head. Chemistry Letters, 1999, 28, 661-662.	0.7	122
120	Layer-by-Layer Self-Assembling of Liposomal Nanohybrid â€œCerasomeâ€•on Substrates. Langmuir, 2002, 18, 6709-6711.	1.6	122
121	Immobilization of Biomaterials to Nano-Assembled Films (Self-Assembled Monolayers,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 26 Nanoscience and Nanotechnology, 2006, 6, 2278-2301.	0.9	122
122	Kinetically Controlled Crystallization for Synthesis of Monodispersed Coordination Polymer Nanocubes and Their Selfâ€Assembly to Periodic Arrangements. Chemistry - A European Journal, 2013, 19, 1882-1885.	1.7	122
123	Ultrathin films of charged polysaccharides assembled alternately with linear polyions. Journal of Biomaterials Science, Polymer Edition, 1998, 9, 345-355.	1.9	121
124	Soft 2D nanoarchitectonics. NPG Asia Materials, 2018, 10, 90-106.	3.8	121
125	Highly Ordered 1D Fullerene Crystals for Concurrent Control of Macroscopic Cellular Orientation and Differentiation toward Largeâ€Scale Tissue Engineering. Advanced Materials, 2015, 27, 4020-4026.	11.1	119
126	Dimensionally integrated nanoarchitectonics for a novel composite from 0D, 1D, and 2D nanomaterials: RGO/CNT/CeO₂ternary nanocomposites with electrochemical performance. Journal of Materials Chemistry A, 2014, 2, 18480-18487.	5.2	118

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127	Layer-by-layer architectures of concanavalin A by means of electrostatic and biospecific interactions. Journal of the Chemical Society Chemical Communications, 1995, , 2313.	2.0	116
128	Nanoporous Carbon Tubes from Fullerene Crystals as the Ï€â€Electron Carbon Source. Angewandte Chemie - International Edition, 2015, 54, 951-955.	7.2	116
129	Mechanical Tuning of Molecular Recognition To Discriminate the Single-Methyl-Group Difference between Thymine and Uracil. Journal of the American Chemical Society, 2010, 132, 12868-12870.	6.6	113
130	Layerâ€byâ€Layer Assembly: Recent Progress from Layered Assemblies to Layered Nanoarchitectonics. Chemistry - an Asian Journal, 2019, 14, 2553-2566.	1.7	113
131	Molecular Recognition of Aqueous Dipeptides at Multiple Hydrogen-Bonding Sites of Mixed Peptide Monolayers. Journal of the American Chemical Society, 1996, 118, 9545-9551.	6.6	112
132	Vortex-Aligned Fullerene Nanowhiskers as a Scaffold for Orienting Cell Growth. ACS Applied Materials & Interfaces, 2015, 7, 15667-15673.	4.0	112
133	Theoretical Study of Intermolecular Interaction at the Lipidâ^'Water Interface. 1. Quantum Chemical Analysis Using a Reaction Field Theory. Journal of Physical Chemistry B, 1997, 101, 4810-4816.	1.2	111
134	Putting the â€˜Nâ€™ in ACENE: Pyrazinacenes and their structural relatives. Organic and Biomolecular Chemistry, 2011, 9, 5005.	1.5	111
135	Langmuir Nanoarchitectonics from Basic to Frontier. Langmuir, 2019, 35, 3585-3599.	1.6	111
136	Color-Tunable Transparent Mesoporous Silica Films: Immobilization of One-Dimensional Columnar Charge-Transfer Assemblies in Aligned Silicate Nanochannels. Angewandte Chemie - International Edition, 2002, 41, 3414-3417.	7.2	108
137	Carbon nanocage: a large-pore cage-type mesoporous carbon material as an adsorbent for biomolecules. Journal of Porous Materials, 2006, 13, 379-383.	1.3	107
138	Layer-by-layer assembly for drug delivery and related applications. Expert Opinion on Drug Delivery, 2011, 8, 633-644.	2.4	107
139	Biomaterials and Biofunctionality in Layered Macromolecular Assemblies. Macromolecular Bioscience, 2008, 8, 981-990.	2.1	106
140	Fabrication of partially graphitic three-dimensional nitrogen-doped mesoporous carbon using polyaniline nanocomposite through nanotemplating method. Microporous and Mesoporous Materials, 2008, 109, 398-404.	2.2	105
141	<I>A Special Issue on</I>: Advanced Materials for Nanoscience and Nanotechnology. Journal of Nanoscience and Nanotechnology, 2009, 9, 1-2.	0.9	104
142	NMR spectroscopic detection of chirality and enantiopurity in referenced systems without formation of diastereomers. Nature Communications, 2013, 4, 2188.	5.8	103
143	Formation of metal clusters in halloysite clay nanotubes. Science and Technology of Advanced Materials, 2017, 18, 147-151.	2.8	102
144	Selfâ€Construction from 2D to 3D: Oneâ€Pot Layerâ€byâ€Layer Assembly of Graphene Oxide Sheets Held Together by Coordination Polymers. Angewandte Chemie - International Edition, 2016, 55, 8426-8430.	7.2	101

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145	Controlling the textural parameters of mesoporous carbon materials. Microporous and Mesoporous Materials, 2007, 100, 20-26.	2.2	100
146	Nanoarchitectonics: a navigator from materials to life. Materials Chemistry Frontiers, 2017, 1, 208-211.	3.2	100
147	Mechanochemical Tuning of the Binaphthyl Conformation at the Airâ€“Water Interface. Angewandte Chemie - International Edition, 2015, 54, 8988-8991.	7.2	97
148	Preparation and Catalytic Performances of Ultralarge-Pore TiSBA-15 Mesoporous Molecular Sieves with Very High Ti Content. Journal of Physical Chemistry B, 2006, 110, 801-806.	1.2	96
149	Molecular Recognition of Aqueous Dipeptides by Noncovalently Aligned Oligoglycine Units at the Air/Water Interface. Journal of the American Chemical Society, 1995, 117, 11833-11838.	6.6	95
150	Nanoarchitectonics: Pioneering a New Paradigm for Nanotechnology in Materials Development. Advanced Materials, 2012, 24, 150-151.	11.1	95
151	Nanoarchitectonics for carbon-material-based sensors. Analyst, The, 2016, 141, 2629-2638.	1.7	95
152	Manipulating the stoichiometry and strength of phosphodiester binding to a bisguanidine cleft in DMSO/water solutions. Journal of Organic Chemistry, 1992, 57, 417-419.	1.7	94
153	Anion-Complexation-Induced Stabilization of Charge Separation. Journal of the American Chemical Society, 2009, 131, 16138-16146.	6.6	93
154	Block-Copolymer-Nanowires with Nanosized Domain Segregation and High Charge Mobilities as Stacked p/n Heterojunction Arrays for Repeatable Photocurrent Switching. Journal of the American Chemical Society, 2009, 131, 18030-18031.	6.6	93
155	Chiral Sensing by Nonchiral Tetrapyrroles. Accounts of Chemical Research, 2015, 48, 521-529.	7.6	93
156	Tunable, Functional Carbon Spheres Derived from Rapid Synthesis of Resorcinol-Formaldehyde Resins. ACS Applied Materials & Interfaces, 2014, 6, 10649-10655.	4.0	91
157	Theoretical Study of Intermolecular Interaction at the Lipidâ^'Water Interface. 2. Analysis Based on the Poissonâ^'Boltzmann Equation. Journal of Physical Chemistry B, 1997, 101, 4817-4825.	1.2	90
158	A Bottom-Up Approach toward Fabrication of Ultrathin PbS Sheets. Nano Letters, 2013, 13, 409-415.	4.5	90
159	Selective sensing performance of mesoporous carbon nitride with a highly ordered porous structure prepared from 3-amino-1,2,4-triazine. Journal of Materials Chemistry A, 2013, 1, 2913.	5.2	90
160	Open-Mouthed Metallic Microcapsules: Exploring Performance Improvements at Agglomeration-Free Interiors. Journal of the American Chemical Society, 2010, 132, 14415-14417.	6.6	89
161	Highly Crystalline and Conductive Nitrogenâ€Doped Mesoporous Carbon with Graphitic Walls and Its Electrochemical Performance. Chemistry - A European Journal, 2011, 17, 3390-3397.	1.7	89
162	Molecular Patterning of a Guanidinium/Orotate Mixed Monolayer through Molecular Recognition with Flavin Adenine Dinucleotide. Langmuir, 1997, 13, 519-524.	1.6	88

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163	Enzyme-Encapsulated Layer-by-Layer Assemblies: Current Status and Challenges Toward Ultimate Nanodevices. Advances in Polymer Science, 2010, , 51-87.	0.4	88
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