Katsuhiko Ariga

List of Publications by Year
in descending order

909 papers	55,167 citations	813 / 118 h-index	2684 / 193 g-index
988 all docs	988 docs citations	988 times ranked	39954 citing authors

#	Article	IF	Citations
1	Lipid coating technology: A potential solution to address the problem of sticky containers and vanishing drugs. View, 2022, 3, 20200078.	5.3	15
2	Material Evolution with Nanotechnology, Nanoarchitectonics, and Materials Informatics: What will be the Next Paradigm Shift in Nanoporous Materials?. Advanced Materials, 2022, 34, e2107212.	21.0	81
3	Selfâ€Assembled Fullerene Nanostructures: Synthesis and Applications. Advanced Functional Materials, 2022, 32, 2106924.	14.9	61
4	Nanoarchitectonics. Nanostructure Science and Technology, 2022, , 35-44.	0.1	0
5	Mechanisms Responsible for Adsorption of Molybdate ions on Alumina for the Production of Medical Radioisotopes. Bulletin of the Chemical Society of Japan, 2022, 95, 129-137.	3.2	7
6	Self-Assembled Corn-Husk-Shaped Fullerene Crystals as Excellent Acid Vapor Sensors. Chemosensors, 2022, 10, 16.	3.6	9
7	There is still plenty of room for layer-by-layer assembly for constructing nanoarchitectonics-based materials and devices. Physical Chemistry Chemical Physics, 2022, 24, 4097-4115.	2.8	75
8	A General Concurrent Template Strategy for Ordered Mesoporous Intermetallic Nanoparticles with Controllable Catalytic Performance. Angewandte Chemie, 2022, 134, .	2.0	3
9	Analyte Interactions with Oxoporphyrinogen Derivatives: Computational Aspects. Current Organic Chemistry, 2022, 26, 580-595.	1.6	1
10	Fullerphene Nanosheets: A Bottomâ€Up 2D Material for Singleâ€Carbonâ€Atomâ€Level Molecular Discrimination. Advanced Materials Interfaces, 2022, 9, .	3.7	19
11	A General Concurrent Template Strategy for Ordered Mesoporous Intermetallic Nanoparticles with Controllable Catalytic Performance. Angewandte Chemie - International Edition, 2022, 61, .	13.8	35
12	The Past and the Future of Langmuir and Langmuirâ€"Blodgett Films. Chemical Reviews, 2022, 122, 6459-6513.	47.7	155
13	Recycling Waste Paper for Further Implementation: XRD, FTIR, SEM, and EDS Studies. Journal of Oleo Science, 2022, 71, 619-626.	1.4	7
14	A heterogeneous bifunctional silica-supported Ag₂O/Im⁺Cl^{â^'} catalyst for efficient CO₂ conversion. Catalysis Science and Technology, 2022, 12, 3778-3785.	4.1	5
15	Surface Plasmon Tunability of Coreâ€"Shell Au@Mo₆ Nanoparticles by Shell Thickness Modification. Journal of Physical Chemistry Letters, 2022, 13, 2150-2157.	4.6	6
16	Biomimetic and Biological Nanoarchitectonics. International Journal of Molecular Sciences, 2022, 23, 3577.	4.1	9
17	Mechanoâ€Nanoarchitectonics: Design and Function. Small Methods, 2022, 6, e2101577.	8.6	23
18	Bio-interactive nanoarchitectonics with two-dimensional materials and environments. Science and Technology of Advanced Materials, 2022, 23, 199-224.	6.1	37

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19	DNAâ€Based Nanoarchitectures as Eminent Vehicles for Smart Drug Delivery Systems. Advanced Functional Materials, 2022, 32, .	14.9	32
20	Materials Nanoarchitectonics from Atom to Living Cell: A Method for Everything. Bulletin of the Chemical Society of Japan, 2022, 95, 774-795.	3.2	65
21	Evaluation of the effects of natural isoquinoline alkaloids on low density lipoprotein receptor (LDLR) and proprotein convertase subtilisin/kexin type 9 (PCSK9) in hepatocytes, as new potential hypocholesterolemic agents. Bioorganic Chemistry, 2022, 121, 105686.	4.1	5
22	High Surface Area Nanoporous Activated Carbons Materials from Areca catechu Nut with Excellent Iodine and Methylene Blue Adsorption. Journal of Carbon Research, 2022, 8, 2.	2.7	8
23	Langmuirâ€“Blodgett Nanoarchitectonics, Out of the Box. Accounts of Materials Research, 2022, 3, 404-410.	11.7	14
24	Hyper 100 Â°C Langmuirâ€“Blodgett (Langmuirâ€“Schaefer) Technique for Organized Ultrathin Film of Polymeric Semiconductors. Langmuir, 2022, 38, 5237-5247.	3.5	14
25	Coordination Amphiphile: Design of Planar-Coordinated Platinum Complexes for Monolayer Formation at an Air-Water Interface Based on Ligand Characteristics and Molecular Topology. Bulletin of the Chemical Society of Japan, 2022, 95, 889-897.	3.2	10
26	Fullerphene Nanosheets: A Bottomâ€Up 2D Material for Singleâ€Carbonâ€Atomâ€Level Molecular Discrimination (Adv. Mater. Interfaces 11/2022). Advanced Materials Interfaces, 2022, 9, .	3.7	0
27	Mechanical Tuning of Aggregated States for Conformation Control of Cyclized Binaphthyl at the Airâ€“Water Interface. Langmuir, 2022, 38, 6481-6490.	3.5	2
28	Fullerene Rosette: Two-Dimensional Interactive Nanoarchitectonics and Selective Vapor Sensing. International Journal of Molecular Sciences, 2022, 23, 5454.	4.1	11
29	Photosensitizer Encryption with Aggregation Enhanced Singlet Oxygen Production. Journal of the American Chemical Society, 2022, 144, 10830-10843.	13.7	19
30	Hierarchically Porous Carbon from <i>Phoenix dactylifera</i> Seed for High-Performance Supercapacitor Applications. Bulletin of the Chemical Society of Japan, 2022, 95, 1060-1067.	3.2	12
31	Adaptive liquid interfaces induce neuronal differentiation of mesenchymal stem cells through lipid raft assembly. Nature Communications, 2022, 13, .	12.8	24
32	Versatile nanoarchitectonics of Pt with morphology control of oxygen reduction reaction catalysts. Science and Technology of Advanced Materials, 2022, 23, 413-423.	6.1	28
33	Regulation of stem cell fate and function by using bioactive materials with nanoarchitectonics for regenerative medicine. Science and Technology of Advanced Materials, 2022, 23, 393-412.	6.1	30
34	Nanoarchitectonics horizons: materials for life sciences. Nanoscale, 2022, 14, 10630-10647.	5.6	14
35	Materials nanoarchitectonics in a two-dimensional world within a nanoscale distance from the liquid phase. Nanoscale, 2022, 14, 10610-10629.	5.6	27
36	Nanoarchitectonics, Method for Everything in Materials Science. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 3245-3247.	3.7	2

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37	Atomic Nanoarchitectonics for Catalysis. Advanced Materials Interfaces, 2021, 8, 2001395.	3.7	15
38	Nanoarchitectonics Revolution and Evolution: From Small Science to Big Technology. Small Science, 2021, 1, 2000032.	9.9	58
39	Sorghum biomass-derived porous carbon electrodes for capacitive deionization and energy storage. Microporous and Mesoporous Materials, 2021, 312, 110757.	4.4	63
40	Nanoarchitectonics for Coordination Asymmetry and Related Chemistry. Bulletin of the Chemical Society of Japan, 2021, 94, 839-859.	3.2	88
41	Zero-to-one (or more) nanoarchitectonics: how to produce functional materials from zero-dimensional single-element unit, fullerene. Materials Advances, 2021, 2, 582-597.	5.4	30
42	Life science nanoarchitectonics at interfaces. Materials Chemistry Frontiers, 2021, 5, 1018-1032.	5.9	11
43	Nanoarchitectonics on living cells. RSC Advances, 2021, 11, 18898-18914.	3.6	22
44	Development of MOF Reinforcement for Structural Stability and Toughness Enhancement of Biodegradable Bioinks. Biomacromolecules, 2021, 22, 1053-1064.	5.4	22
45	Revisiting properties of edge-bridged bromide tantalum clusters in the solid-state, in solution and vice versa: an intertwined experimental and modelling approach. Dalton Transactions, 2021, 50, 8002-8016.	3.3	11
46	Nanoarchitectonics: what's coming next after nanotechnology?. Nanoscale Horizons, 2021, 6, 364-378.	8.0	221
47	Washnut Seed-Derived Ultrahigh Surface Area Nanoporous Carbons as High Rate Performance Electrode Material for Supercapacitors. Bulletin of the Chemical Society of Japan, 2021, 94, 565-572.	3.2	25
48	Discrimination of Methanol from Ethanol in Gasoline Using a Membrane-type Surface Stress Sensor Coated with Copper(I) Complex. Bulletin of the Chemical Society of Japan, 2021, 94, 648-654.	3.2	24
49	Mesoporous Alumina-Titania Composites with Enhanced Molybdenum Adsorption towards Medical Radioisotope Production. Bulletin of the Chemical Society of Japan, 2021, 94, 502-507.	3.2	10
50	Incorporation of 5-Nitroisatin for Tailored Hydroxyapatite Nanorods and its Effect on Cervical Cancer Cells: A Nanoarchitectonics Approach. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 1946-1953.	3.7	4
51	Solvothermally synthesized anatase TiO2 nanoparticles for photoanodes in dye-sensitized solar cells. Science and Technology of Advanced Materials, 2021, 22, 100-112.	6.1	16
52	Pyrazinacenes exhibit on-surface oxidation-state-dependent conformational and self-assembly behaviours. Communications Chemistry, 2021, 4, .	4.5	12
53	Progress in Molecular Nanoarchitectonics and Materials Nanoarchitectonics. Molecules, 2021, 26, 1621.	3.8	20
54	Nanoarchitectonics at Interfaces for Regulations of Biorelated Phenomena: Small Structures with Big Effects. Small Structures, 2021, 2, 2100006.	12.0	13

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55	Macaroni Fullerene Crystals-Derived Mesoporous Carbon Tubes as a High Rate Performance Supercapacitor Electrode Material. Bulletin of the Chemical Society of Japan, 2021, 94, 1502-1509.	3.2	40
56	Nanoarchitectonics Can Save Our Planet: Nanoarchitectonics for Energy and Environment. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 2243-2244.	3.7	4
57	Switching the solubility of electroactive ionic liquids for designing high energy supercapacitor and low potential biosensor. Journal of Colloid and Interface Science, 2021, 588, 221-231.	9.4	11
58	Challenges and solutions in surface engineering and assembly of boron nitride nanosheets. Materials Today, 2021, 44, 194-210.	14.2	52
59	Singleâ€Atom Catalysts. Small, 2021, 17, e2101584.	10.0	60
60	Monitoring the Release of Silver from a Supramolecular Fullerene C60-AgNO3 Nanomaterial. Bulletin of the Chemical Society of Japan, 2021, 94, 1347-1354.	3.2	17
61	Singleâ€Atom Catalysts. Advanced Materials Interfaces, 2021, 8, 2100436.	3.7	8
62	Nanoarchitectonics for fullerene biology. Applied Materials Today, 2021, 23, 100989.	4.3	20
63	External Magnetic Field-Enhanced Supercapacitor Performance of Cobalt Oxide/Magnetic Graphene Composites. Bulletin of the Chemical Society of Japan, 2021, 94, 2245-2251.	3.2	3
64	Zero-to-Two Nanoarchitectonics: Fabrication of Two-Dimensional Materials from Zero-Dimensional Fullerene. Molecules, 2021, 26, 4636.	3.8	17
65	Band mobility exceeding 10â€‰cm2 Vâˆ’1 sâˆ’1 assessed by field-effect and chemical double doping in semicrystalline polymeric semiconductors. Applied Physics Letters, 2021, 119, 013302.	3.3	8
66	Robust, Transparent Hybrid Thin Films of Phase-Change Material Sb₂S₃ Prepared by Electrophoretic Deposition. ACS Applied Energy Materials, 2021, 4, 9891-9901.	5.1	15
67	Enhancement of singlet oxygen generation based on incorporation of oxoporphyrinogen (OxP) into microporous solids. Materials Today Chemistry, 2021, 21, 100534.	3.5	8
68	Dimension-controlled halide perovkites using templates. Nano Today, 2021, 39, 101181.	11.9	11
69	Nanoarchitectonics for Hierarchical Fullerene Nanomaterials. Nanomaterials, 2021, 11, 2146.	4.1	21
70	Estimation of Enantiomeric Excess Based on Rapid Hostâ€“Guest Exchange. Chemosensors, 2021, 9, 259.	3.6	3
71	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.	20.2	123
72	Fullerene Nanoarchitectonics: Rich Possibilities in Organized Structures from Zero-Dimensional Unit. Oleoscience, 2021, 21, 221-225.	0.0	0

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73	Nanoarchitectonics for Analytical Science at Interfaces and with Supramolecular Nanostructures. Analytical Sciences, 2021, 37, 1331-1348.	1.6	9
74	Carbon Nanoarchitectonics for Energy and Related Applications. Journal of Carbon Research, 2021, 7, 73.	2.7	10
75	Nanoarchitectonics with porphyrins and related molecules. Journal of Porphyrins and Phthalocyanines, 2021, 25, 897-916.	0.8	6
76	High-Performance Supercapacitor Materials Based on Hierarchically Porous Carbons Derived from <i>Artocarpus heterophyllus</i> Seed. ACS Applied Energy Materials, 2021, 4, 12257-12266.	5.1	21
77	Nelumbo nucifera Seedâ€“Derived Nitrogen-Doped Hierarchically Porous Carbons as Electrode Materials for High-Performance Supercapacitors. Nanomaterials, 2021, 11, 3175.	4.1	7
78	Nanoarchitectonics for Nanocarbon Assembly and Composite. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 42-55.	3.7	17
79	Diporphyrin tweezer for multichannel spectroscopic analysis of enantiomeric excess. Frontiers of Chemical Science and Engineering, 2020, 14, 28-40.	4.4	5
80	Emission Control by Molecular Manipulation of Doubleâ€Paddled Binuclear Pt^{II} Complexes at the Airâ€Water Interface. Chemistry - an Asian Journal, 2020, 15, 406-414.	3.3	24
81	Engineered functionalized 2D nanoarchitectures for stimuli-responsive drug delivery. Materials Horizons, 2020, 7, 455-469.	12.2	57
82	Post-assembly dimension-dependent face-selective etching of fullerene crystals. Materials Horizons, 2020, 7, 787-795.	12.2	31
83	Adaptive Liquid Interfacially Assembled Protein Nanosheets for Guiding Mesenchymal Stem Cell Fate. Advanced Materials, 2020, 32, e1905942.	21.0	80
84	Molecular Engineering of Î²â€Substituted Oxoporphyrinogens for Hydrogenâ€Bond Donor Catalysis. European Journal of Organic Chemistry, 2020, 2020, 82-90.	2.4	12
85	1D materials from ionic self-assembly in mixtures containing chromonic liquid crystal mesogens. Physical Chemistry Chemical Physics, 2020, 22, 23276-23285.	2.8	4
86	Nanoarchitectonics: Supramolecular Chiral Nanoarchitectonics (Adv. Mater. 41/2020). Advanced Materials, 2020, 32, 2070310.	21.0	1
87	Helicity Manipulation of a Double-Paddled Binaphthyl in a Two-Dimensional Matrix Field at the Airâ€“Water Interface. ACS Nano, 2020, 14, 13294-13303.	14.6	16
88	The evolution of molecular machines through interfacial nanoarchitectonics: from toys to tools. Chemical Science, 2020, 11, 10594-10604.	7.4	51
89	Frontispiece: 2D Nanoarchitectonics: Soft Interfacial Media as Playgrounds for Microobjects, Molecular Machines, and Living Cells. Chemistry - A European Journal, 2020, 26, .	3.3	0
90	Jackfruit Seed-Derived Nanoporous Carbons as the Electrode Material for Supercapacitors. Journal of Carbon Research, 2020, 6, 73.	2.7	14

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91	Molecular recognition at the airâ€“water interface: nanoarchitectonic design and physicochemical understanding. Physical Chemistry Chemical Physics, 2020, 22, 24856-24869.	2.8	30
92	Atomic and Organic Nanoarchitectonics. Trends in Chemistry, 2020, 2, 779-782.	8.5	18
93	Selective Phase Transfer Reagents (OxPâ€¢crowns) for Chromogenic Detection of Nitrates Especially Ammonium Nitrate. Chemistry - A European Journal, 2020, 26, 13177-13183.	3.3	6
94	Saloplastics as multiresponsive ion exchange reservoirs and catalyst supports. Journal of Materials Chemistry A, 2020, 8, 17713-17724.	10.3	15
95	Methods with Nanoarchitectonics for Small Molecules and Nanostructures to Regulate Living Cells. Small Methods, 2020, 4, 2000500.	8.6	23
96	Enantiomeric Excess Dependent Splitting of NMR Signal through Dynamic Chiral Inversion and Coligand Exchange in a Coordination Complex. Journal of Physical Chemistry Letters, 2020, 11, 8164-8169.	4.6	4
97	Interfacial nanoarchitectonics for responsive cellular biosystems. Materials Today Bio, 2020, 8, 100075.	5.5	13
98	Nanoarchitectonics of Lotus Seed Derived Nanoporous Carbon Materials for Supercapacitor Applications. Materials, 2020, 13, 5434.	2.9	16
99	Hydrotalcite-Supported Ag/Pd Bimetallic Nanoclusters Catalyzed Oxidation and One-Pot Aldol Reaction in Water. Catalysts, 2020, 10, 1120.	3.5	5
100	Fullerene Nanoarchitectonics with Shape-Shifting. Materials, 2020, 13, 2280.	2.9	22
101	The lipid composition affects Trastuzumab adsorption at monolayers at the air-water interface. Chemistry and Physics of Lipids, 2020, 227, 104875.	3.2	17
102	Dual-Branched Dense Hexagonal Fe(II)-Based Coordination Nanosheets with Red-to-Colorless Electrochromism and Durable Device Fabrication. ACS Applied Materials & Interfaces, 2020, 12, 31896-31903.	8.0	36
103	Rotaxanation as a sequestering template to preclude incidental metal insertion in complex oligochromophores. Chemical Communications, 2020, 56, 7447-7450.	4.1	1
104	Donâ€™t Forget Langmuirâ€“Blodgett Films 2020: Interfacial Nanoarchitectonics with Molecules, Materials, and Living Objects. Langmuir, 2020, 36, 7158-7180.	3.5	143
105	Electron and energy transfer in a porphyrinâ€“oxoporphyrinogenâ€“fullerene triad, ZnPâ€“OxPâ€“C₆₀. Physical Chemistry Chemical Physics, 2020, 22, 14356-14363.	2.8	4
106	Transparent Supercapacitor Display with Redox-Active Metallo-Supramolecular Polymer Films. ACS Applied Materials & Interfaces, 2020, 12, 16342-16349.	8.0	41
107	Supramolecular Chiral Nanoarchitectonics. Advanced Materials, 2020, 32, e1905657.	21.0	150
108	2D Nanoarchitectonics: Soft Interfacial Media as Playgrounds for Microobjects, Molecular Machines, and Living Cells. Chemistry - A European Journal, 2020, 26, 6461-6472.	3.3	24

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109	Hydrogen Bonds and Molecular Orientations of Supramolecular Structure between Barbituric Acid and Melamine Derivative at the Air/Water Interface Revealed by Heterodyne-Detected Vibrational Sum Frequency Generation Spectroscopy. Journal of Physical Chemistry Letters, 2020, 11, 2422-2429.	4.6	22
110	Nanomechanical Recognition and Discrimination of Volatile Molecules by Au Nanocages Deposited on Membrane-Type Surface Stress Sensors. ACS Applied Nano Materials, 2020, 3, 4061-4068.	5.0	10
111	Nanoarchitectonics beyond Selfâ€Assembly: Challenges to Create Bioâ€Like Hierarchic Organization. Angewandte Chemie - International Edition, 2020, 59, 15424-15446.	13.8	176
112	Nanomolecular singlet oxygen photosensitizers based on hemiquinonoid-resorcinarenes, the fuchsonarenes. Chemical Science, 2020, 11, 2614-2620.	7.4	7
113	Nanoarchitektonik als ein Ansatz zur Erzeugung bioÃhnlicher hierarchischer Organisate. Angewandte Chemie, 2020, 132, 15550-15574.	2.0	16
114	Bioactive supra decorated thiazolidine-4-carboxylic acid derivatives attenuate cellular oxidative stress by enhancing catalase activity. Physical Chemistry Chemical Physics, 2020, 22, 7942-7951.	2.8	11
115	Large-Area Aligned Fullerene Nanocrystal Scaffolds as Culture Substrates for Enhancing Mesenchymal Stem Cell Self-Renewal and Multipotency. ACS Applied Nano Materials, 2020, 3, 6497-6506.	5.0	41
116	Supramolecular ultrafast energy and electron transfer in a directly linked BODIPYâ€“oxoporphyrinogen dyad upon fluoride ion binding. Chemical Communications, 2020, 56, 3855-3858.	4.1	9
117	Increasing the Potential Interacting Area of Nanomedicine Enhances Its Homotypic Cancer Targeting Efficacy. ACS Nano, 2020, 14, 3259-3271.	14.6	74
118	Dynamism of Supramolecular DNA/RNA Nanoarchitectonics: From Interlocked Structures to Molecular Machines. Bulletin of the Chemical Society of Japan, 2020, 93, 581-603.	3.2	75
119	Thermodynamic and Morphological Properties of Trastuzumab Regulated by the Lipid Composition of Cell Membrane Models at the Air-Water Interface. Biophysical Journal, 2020, 118, 77a.	0.5	3
120	Soft Nanoarchitectonics for Enantioselective Biosensing. Accounts of Chemical Research, 2020, 53, 644-653.	15.6	65
121	Vortex-Aligned Ordered Film of Crystalline Fullerene C₇₀ Microtubes with Enhanced Photoluminescence and Photovoltaics Properties. Journal of Nanoscience and Nanotechnology, 2020, 20, 2971-2978.	0.9	8
122	One-dimensional Sn(<scp>iv</scp>) hydroxide nanofluid toward nonlinear optical switching. Materials Horizons, 2020, 7, 1150-1159.	12.2	7
123	Intelligent Nanoarchitectonics for Selfâ€Assembling Systems. Advanced Intelligent Systems, 2020, 2, 1900157.	6.1	14
124	Nanoarchitectonics from Atom to Life. Chemistry - an Asian Journal, 2020, 15, 718-728.	3.3	66
125	Nanoarchitectonics of Nanoporous Carbon Materials in Supercapacitors Applications. Nanomaterials, 2020, 10, 639.	4.1	51
126	Molecular Tuning Nanoarchitectonics for Molecular Recognition and Molecular Manipulation. ChemNanoMat, 2020, 6, 870-880.	2.8	25

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127	High Surface Area Nanoporous Graphitic Carbon Materials Derived from Lapsi Seed with Enhanced Supercapacitance. Nanomaterials, 2020, 10, 728.	4.1	35
128	Nanoarchitectonics: bottom-up creation of functional materials and systems. Beilstein Journal of Nanotechnology, 2020, 11, 450-452.	2.8	14
129	Bottom-up fabrication of the multi-layer carbon metal nanosheets. RSC Advances, 2020, 10, 7987-7993.	3.6	6
130	Nano-architectonics for coordination assemblies at interfacial media. Advances in Inorganic Chemistry, 2020, 76, 199-228.	1.0	4
131	100 Â°C-Langmuirâ€"Blodgett Method for Fabricating Highly Oriented, Ultrathin Films of Polymeric Semiconductors. ACS Applied Materials & Interfaces, 2020, 12, 56522-56529.	8.0	37
132	Nanoporous Carbon Materials Derived from Washnut Seed with Enhanced Supercapacitance. Materials, 2020, 13, 2371.	2.9	18
133	<i>A Special Section on</i> Materials Innovation with Nanoarchitectonics. Journal of Nanoscience and Nanotechnology, 2020, 20, 2651-2651.	0.9	0
134	Jute-derived microporous/mesoporous carbon with ultra-high surface area using a chemical activation process. Microporous and Mesoporous Materials, 2019, 274, 251-256.	4.4	47
135	Langmuir Nanoarchitectonics from Basic to Frontier. Langmuir, 2019, 35, 3585-3599.	3.5	111
136	Electrochemical Behavior of Cytochrome C Immobilized in a Magnetically Induced Mesoporous Framework. ChemElectroChem, 2019, 6, 5802-5809.	3.4	7
137	Materials nanoarchitectonics at two-dimensional liquid interfaces. Beilstein Journal of Nanotechnology, 2019, 10, 1559-1587.	2.8	31
138	Atom/molecular nanoarchitectonics for devices and related applications. Nano Today, 2019, 28, 100762.	11.9	77
139	Toxicity of Two-Dimensional Layered Materials and Their Heterostructures. Bioconjugate Chemistry, 2019, 30, 2287-2299.	3.6	49
140	Nanoarchitectonics to prepare practically useful artificial enzymes. Molecular Catalysis, 2019, 475, 110492.	2.0	41
141	Monitoring Fluorescence Response of Amphiphilic Flapping Molecules in Compressed Monolayers at the Airâ€"Water Interface. Chemistry - an Asian Journal, 2019, 14, 2869-2876.	3.3	35
142	Structural-Size Control of Domain from Nano to Micro: Logical Balancing between Attractive and Repulsive Interactions in Two Dimensions. Langmuir, 2019, 35, 10383-10389.	3.5	12
143	Knock-on synthesis of tritopic calix[4]pyrrole host for enhanced anion interactions. Dalton Transactions, 2019, 48, 15583-15596.	3.3	12
144	Review of advanced sensor devices employing nanoarchitectonics concepts. Beilstein Journal of Nanotechnology, 2019, 10, 2014-2030.	2.8	37

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145	Ratiometric immunoassays built from synergistic photonic absorption of size-diverse semiconducting MoS2 nanostructures. Materials Horizons, 2019, 6, 563-570.	12.2	38
146	Interfacial nanoarchitectonics for molecular manipulation and molecular machine operation. Current Opinion in Colloid and Interface Science, 2019, 44, 1-13.	7.4	15
147	Soft material nanoarchitectonics at interfaces: molecular assembly, nanomaterial synthesis, and life control. Molecular Systems Design and Engineering, 2019, 4, 49-64.	3.4	30
148	Nanoarchitectonics, now. Molecular Systems Design and Engineering, 2019, 4, 9-10.	3.4	12
149	Dynamic Control of Intramolecular Rotation by Tuning the Surrounding Two-Dimensional Matrix Field. ACS Nano, 2019, 13, 2410-2419.	14.6	34
150	Layerâ€byâ€Layer Assembly: Recent Progress from Layered Assemblies to Layered Nanoarchitectonics. Chemistry - an Asian Journal, 2019, 14, 2553-2566.	3.3	113
151	Quinone-Facilitated Coordinated Bipyrene and Polypyrene on Au(111) by Capture of Gold Adatoms. Journal of Physical Chemistry C, 2019, 123, 16281-16287.	3.1	8
152	Hydrous ferric oxide nanoparticles hosted porous polyethersulfone adsorptive membrane: chromium (VI) adsorptive studies and its applicability for water/wastewater treatment. Environmental Science and Pollution Research, 2019, 26, 20386-20399.	5.3	11
153	Langmuir-Blodgett Films for Nanoarchitectoncs. , 2019, , 17-29.		2
154	Quercetin loaded PLGA microspheres induce apoptosis in breast cancer cells. Applied Surface Science, 2019, 487, 211-217.	6.1	35
155	Materials Nanoarchitectonics as Cell Regulators. ChemNanoMat, 2019, 5, 692-702.	2.8	49
156	Mesoporous carbon cubes derived from fullerene crystals as a high rate performance electrode material for supercapacitors. Journal of Materials Chemistry A, 2019, 7, 12654-12660.	10.3	86
157	Selfâ€Assembled Nanosheets: Optogenetic Modulation and Reprogramming of Bacteriorhodopsinâ€Transfected Human Fibroblasts on Selfâ€Assembled Fullerene C60 Nanosheets (Adv.) Tj ETQq1 1 0.784314 rgBT	3.1	0
158	Microwires of Auâ€"Ag Nanocages Patterned via Magnetic Nanoadhesives for Investigating Proteins using Surface Enhanced Infrared Absorption Spectroscopy. ACS Applied Materials & Interfaces, 2019, 11, 18053-18061.	8.0	15
159	Fabrication of Nanoporous Carbon Materials with Hard- and Soft-Templating Approaches: A Review. Journal of Nanoscience and Nanotechnology, 2019, 19, 3673-3685.	0.9	64
160	Self-assembly as a key player for materials nanoarchitectonics. Science and Technology of Advanced Materials, 2019, 20, 51-95.	6.1	322
161	Rice Husk-Derived High Surface Area Nanoporous Carbon Materials with Excellent Iodine and Methylene Blue Adsorption Properties. Journal of Carbon Research, 2019, 5, 10.	2.7	51
162	Construction of Coordination Nanosheets Based on Tris(2,2â€²-bipyridine)â€"Iron (Fe²⁺) Complexes as Potential Electrochromic Materials. ACS Applied Materials & Interfaces, 2019, 11, 11893-11903.	8.0	61

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163	Multimodal switching of a redox-active macrocycle. Nature Communications, 2019, 10, 1007.	12.8	20
164	Amphiprotism-Coupled Near-Infrared Emission in Extended Pyrazinacenes Containing Seven Linearly Fused Pyrazine Units. Journal of the American Chemical Society, 2019, 141, 19570-19574.	13.7	13
165	Increasing the complexity of oxoporphyrinogen colorimetric sensing chromophores: N-alkylation and Î²-substitution. Journal of Porphyrins and Phthalocyanines, 2019, 23, 1184-1194.	0.8	4
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