Sherif A El-Safty

List of Publications by Year
in descending order

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205 papers	11,404 citations	19608 61 h-index	42291 92 g-index
214 all docs	214 docs citations	214 times ranked	7506 citing authors

#	Article	IF	Citations
1	Recent progress in marine foul-release polymeric nanocomposite coatings. Progress in Materials Science, 2017, 87, 1-32.	16.0	358
2	Trace copper(II) ions detection and removal from water using novel ligand modified composite adsorbent. Chemical Engineering Journal, 2013, 222, 67-76.	6.6	312
3	Copper(II) ions capturing from water using ligand modified a new type mesoporous adsorbent. Chemical Engineering Journal, 2013, 221, 322-330.	6.6	304
4	Meso- and Macroporous Co₃O₄ Nanorods for Effective VOC Gas Sensors. Journal of Physical Chemistry C, 2011, 115, 8466-8474.	1.5	280
5	Optical Sensors Based on Nanostructured Cage Materials for the Detection of Toxic Metal Ions. Angewandte Chemie - International Edition, 2006, 45, 7202-7208.	7.2	219
6	A weak-base fibrous anion exchanger effective for rapid phosphate removal from water. Journal of Hazardous Materials, 2011, 188, 164-171.	6.5	217
7	Removal of trace arsenic(V) and phosphate from water by a highly selective ligand exchange adsorbent. Journal of Environmental Sciences, 2011, 23, 1947-1954.	3.2	177
8	Efficient adsorbents of nanoporous aluminosilicate monoliths for organic dyes from aqueous solution. Journal of Colloid and Interface Science, 2011, 359, 9-18.	5.0	173
9	Investigation of palladium(II) detection and recovery using ligand modified conjugate adsorbent. Chemical Engineering Journal, 2013, 222, 172-179.	6.6	161
10	Synthesis of Mesoporous NiO Nanosheets for the Detection of Toxic NO₂ Gas. Chemistry - A European Journal, 2011, 17, 12896-12901.	1.7	158
11	Progress in biomimetic leverages for marine antifouling using nanocomposite coatings. Journal of Materials Chemistry B, 2020, 8, 3701-3732.	2.9	157
12	Synthesis, Morphological Control, and Properties of Silver Nanoparticles in Potential Applications. Particle and Particle Systems Characterization, 2014, 31, 293-316.	1.2	152
13	Large three-dimensional mesocage pores tailoring silica nanotubes as membrane filters: nanofiltration and permeation flux of proteins. Journal of Materials Chemistry, 2011, 21, 5593.	6.7	150
14	Simultaneous optical detection and extraction of cobalt(II) from lithium ion batteries using nanocollector monoliths. Sensors and Actuators B: Chemical, 2013, 176, 1015-1025.	4.0	146
15	Mesoporous aluminosilica sensors for the visual removal and detection of Pd(II) and Cu(II) ions. Microporous and Mesoporous Materials, 2013, 166, 195-205.	2.2	143
16	Silicone/graphene oxide sheet-alumina nanorod ternary composite for superhydrophobic antifouling coating. Progress in Organic Coatings, 2018, 121, 160-172.	1.9	143
17	Optical mesosensors for monitoring and removal of ultra-trace concentration of Zn(ii) and Cu(ii) ions from water. Analyst, The, 2012, 137, 5278.	1.7	140
18	Nanosensor Design Packages: A Smart and Compact Development for Metal Ions Sensing Responses. Advanced Functional Materials, 2007, 17, 3731-3745.	7.8	113

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19	Broccoli-shaped biosensor hierarchy for electrochemical screening of noradrenaline in living cells. Biosensors and Bioelectronics, 2018, 100, 122-131.	5.3	113
20	Mesoporous NiO nanoarchitectures for electrochemical energy storage: influence of size, porosity, and morphology. RSC Advances, 2013, 3, 23801.	1.7	111
21	Synthesis of ultrahydrophobic and thermally stable inorganicâ€“organic nanocomposites for self-cleaning foul release coatings. Chemical Engineering Journal, 2017, 320, 653-666.	6.6	103
22	Antifungal activity of fabricated mesoporous alumina nanoparticles against root rot disease of tomato caused by Fusarium oxysporium. Pest Management Science, 2017, 73, 1121-1126.	1.7	103
23	Microemulsion Liquid Crystal Templates for Highly Ordered Three-Dimensional Mesoporous Silica Monoliths with Controllable Mesopore Structures. Chemistry of Materials, 2004, 16, 384-400.	3.2	99
24	Superhydrophobic coating of silicone/Î²â€“MnO2 nanorod composite for marine antifouling. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 570, 518-530.	2.3	98
25	Architecture of optical sensor for recognition of multiple toxic metal ions from water. Journal of Hazardous Materials, 2013, 260, 833-843.	6.5	93
26	Eco-friendly design of superhydrophobic nano-magnetite/silicone composites for marine foul-release paints. Progress in Organic Coatings, 2018, 116, 21-34.	1.9	90
27	Mercury-ion optical sensors. TrAC - Trends in Analytical Chemistry, 2012, 38, 98-115.	5.8	89
28	Smart photo-induced silicone/TiO2 nanocomposites with dominant [110] exposed surfaces for self-cleaning foul-release coatings of ship hulls. Materials and Design, 2016, 101, 218-225.	3.3	89
29	Fabrication of photo-electrochemical biosensors for ultrasensitive screening of mono-bioactive molecules: the effect of geometrical structures and crystal surfaces. Journal of Materials Chemistry B, 2017, 5, 7985-7996.	2.9	88
30	One-step selective screening of bioactive molecules in living cells using sulfur-doped microporous carbon. Biosensors and Bioelectronics, 2018, 109, 237-245.	5.3	88
31	Environmental remediation and monitoring of cadmium. TrAC - Trends in Analytical Chemistry, 2014, 62, 56-68.	5.8	85
32	Incorporation of Transition-Metal Complexes in Functionalized Mesoporous Silica and Their Activity toward the Oxidation of Aromatic Amines. Journal of Physical Chemistry B, 2000, 104, 10271-10281.	1.2	84
33	Optical Nanoscale Poolâ€onâ€Surface Design for Control Sensing Recognition of Multiple Cations. Advanced Functional Materials, 2008, 18, 1485-1500.	7.8	84
34	Ultrasensitive in-vitro monitoring of monoamine neurotransmitters from dopaminergic cells. Sensors and Actuators B: Chemical, 2018, 259, 114-124.	4.0	83
35	Large-Scale Design of Cubicla3d Mesoporous Silica Monoliths with High Order, Controlled Pores, and Hydrothermal Stability. Advanced Materials, 2005, 17, 47-53.	11.1	82
36	Optical Nanosensor Design with Uniform Pore Geometry and Large Particle Morphology. Chemistry - A European Journal, 2007, 13, 9245-9255.	1.7	81

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37	Hierarchical C-N doped NiO with dual-head echinop flowers for ultrasensitive monitoring of epinephrine in human blood serum. Mikrochimica Acta, 2017, 184, 4553-4562.	2.5	81
38	Nitrogen-doped carbon-embedded TiO2 nanofibers as promising oxygen reduction reaction electrocatalysts. Journal of Power Sources, 2016, 330, 292-303.	4.0	78
39	Axially oriented tubercle vein and X-crossed sheet of N-Co3O4@C hierarchical mesoarchitectures as potential heterogeneous catalysts for methanol oxidation reaction. Chemical Engineering Journal, 2017, 313, 83-98.	6.6	77
40	Visual monitoring and removal of divalent copper, cadmium, and mercury ions from water by using mesoporous cubic Ia3d aluminosilica sensors. Separation and Purification Technology, 2013, 116, 73-86.	3.9	75
41	Sensitive and selective fluorometric determination and monitoring of Zn2+ ions using supermicroporous Zr-MOFs chemosensors. Microchemical Journal, 2018, 139, 24-33.	2.3	74
42	Uniformly Mesocaged Cubic Fd3m Monoliths as Modal Carriers for Optical Chemosensors. Journal of Physical Chemistry C, 2008, 112, 4825-4835.	1.5	73
43	Highly-efficient removal of AsV, Pb2+, Fe3+, and Al3+ pollutants from water using hierarchical, microscopic TiO2 and TiOF2 adsorbents through batch and fixed-bed columnar techniques. Journal of Cleaner Production, 2018, 182, 910-925.	4.6	73
44	Mesocylindrical Aluminosilica Monolith Biocaptors for Sizeâ€Selective Macromolecule Cargos. Advanced Functional Materials, 2012, 22, 3013-3021.	7.8	72
45	Tailorâ€Made Microâ€Object Optical Sensor Based on Mesoporous Pellets for Visual Monitoring and Removal of Toxic Metal Ions from Aqueous Media. Small, 2013, 9, 2288-2296.	5.2	71
46	Meso-/Nanoporous Semiconducting Metal Oxides for Gas Sensor Applications. Journal of Nanomaterials, 2015, 2015, 1-14.	1.5	71
47	Dual colorimetric and fluorometric monitoring of Bi3+ ions in water using supermicroporous Zr-MOFs chemosensors. Journal of Luminescence, 2018, 198, 438-448.	1.5	70
48	Monolithic scaffolds for highly selective ion sensing/removal of Co(<scp>ii</scp>), Cu(<scp>ii</scp>), and Cd(<scp>ii</scp>) ions in water. Analyst, The, 2014, 139, 6393-6405.	1.7	69
49	Fabrication of Crystalline, Highly Ordered Three-Dimensional Silica Monoliths (HOM-n) with Large, Morphological Mesopore Structures. Advanced Materials, 2003, 15, 1893-1899.	11.1	68
50	Sunflower oil-based hyperbranched alkyd/spherical ZnO nanocomposite modeling for mechanical and anticorrosive applications. RSC Advances, 2017, 7, 21796-21808.	1.7	68
51	Kinetics and Mechanism of the Sorption of Some Aromatic Amines onto Amberlite IRA-904 Anion-Exchange Resin. Journal of Colloid and Interface Science, 2000, 221, 58-63.	5.0	67
52	Design of Highly Stable, Ordered Cage Mesostructured Monoliths with Controllable Pore Geometries and Sizes. Chemistry of Materials, 2005, 17, 3137-3145.	3.2	67
53	Facile design of graphene oxide-ZnO nanorod-based ternary nanocomposite as a superhydrophobic and corrosion-barrier coating. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 611, 125793.	2.3	67
54	Three-Dimensional Wormhole and Ordered Mesostructures and Their Applicability as Optically Ion-Sensitive Probe Templates. Chemistry of Materials, 2008, 20, 2644-2654.	3.2	66

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55	A natural clayey adsorbent for selective removal of lead from aqueous solutions. Applied Clay Science, 2016, 126, 89-97.	2.6	64
56	Nanohexagonal Fe2O3 Electrode for One-Step Selective Monitoring of Dopamine and Uric Acid in Biological Samples. Electrocatalysis, 2018, 9, 514-525.	1.5	64
57	General and Simple Approach for Control Cage and Cylindrical Mesopores, and Thermal/Hydrothermal Stable Frameworks. Journal of Physical Chemistry B, 2005, 109, 9255-9264.	1.2	63
58	Hemoproteinsâ€“nickel foam hybrids as effective supercapacitors. Chemical Communications, 2014, 50, 1356-1358.	2.2	63
59	Nanoscale Membrane Strips for Benign Sensing of Hg^{II} Ions: A Route to Commercial Waste Treatments. Advanced Functional Materials, 2008, 18, 1739-1750.	7.8	62
60	Organicâ€“inorganic mesoporous silica nanostrands for ultrafine filtration of spherical nanoparticles. Chemical Communications, 2010, 46, 3917.	2.2	62
61	Facile synthesis of microporous sulfur-doped carbon spheres as electrodes for ultrasensitive detection of ascorbic acid in food and pharmaceutical products. New Journal of Chemistry, 2018, 42, 5037-5044.	1.4	62
62	Functionalized hexagonal mesoporous silica monoliths withÂhydrophobic azo-chromophore for enhanced Co(II) ion monitoring. Adsorption, 2009, 15, 227-239.	1.4	61
63	Modeling of spherical silver nanoparticles in silicone-based nanocomposites for marine antifouling. RSC Advances, 2015, 5, 63175-63185.	1.7	61
64	Fabrication of a highly selective nonenzymatic amperometric sensor for hydrogen peroxide based on nickel foam/cytochrome c modified electrode. Sensors and Actuators B: Chemical, 2015, 207, 158-166.	4.0	61
65	Ultrasensitive label-free detection of cardiac biomarker myoglobin based on surface-enhanced Raman spectroscopy. Sensors and Actuators B: Chemical, 2016, 228, 401-409.	4.0	61
66	Design of hierarchical electrocatalytic mediator for one step, selective screening of biomolecules in biological fluid samples. Journal of Applied Electrochemistry, 2018, 48, 529-542.	1.5	61
67	Monolithic Nanostructured Silicate Family Templated by Lyotropic Liquid-Crystalline Nonionic Surfactant Mesophases. Chemistry of Materials, 2003, 15, 2892-2902.	3.2	60
68	Optical mesosensor for capturing of Fe(III) and Hg(II) ions from water and physiological fluids. Sensors and Actuators B: Chemical, 2013, 183, 58-70.	4.0	60
69	Extraction and recovery of Co²⁺ions from spent lithium-ion batteries using hierarchical mesosponge Î³-Al₂O₃monolith extractors. Green Chemistry, 2018, 20, 1841-1857.	4.6	60
70	Ultra-trace recognition and removal of toxic chromium (VI) ions from water using visual mesocaptor. Journal of Hazardous Materials, 2013, 244-245, 726-735.	6.5	58
71	A well-thought-out sensory protocol for screening of oxygen reactive species released from cancer cells. Sensors and Actuators B: Chemical, 2019, 284, 456-467.	4.0	58
72	Buildingâ€Blockâ€Based Mosaic Cage Silica Nanotubes for Molecular Transport and Separation. Small, 2011, 7, 62-65.	5.2	57

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73	Robust alkyd/exfoliated graphene oxide nanocomposite as a surface coating. Progress in Organic Coatings, 2019, 126, 106-118.	1.9	57
74	Longitudinal Hierarchy Co3O4 Mesocrystals with High-dense Exposure Facets and Anisotropic Interfaces for Direct-Ethanol Fuel Cells. Scientific Reports, 2016, 6, 24330.	1.6	56
75	Superhydrophobic Silicone/TiO₂â€“SiO₂ Nanorodâ€like Composites for Marine Fouling Release Coatings. ChemistrySelect, 2019, 4, 3395-3407.	0.7	56
76	Controlled Design of Ordered and Disordered Pore Architectures, Geometries, and Dimensions of HOM-Type Mesostructured Monoliths and Their Hydrothermal Stabilities. Journal of Physical Chemistry C, 2008, 112, 5476-5489.	1.5	55
77	Anisotropic N-Graphene-diffused Co3O4 nanocrystals with dense upper-zone top-on-plane exposure facets as effective ORR electrocatalysts. Scientific Reports, 2018, 8, 3740.	1.6	55
78	Nanosized rambutan-like nickel oxides as electrochemical sensor and pseudocapacitor. Sensors and Actuators B: Chemical, 2014, 193, 644-652.	4.0	53
79	Nanospherical inorganic Î±-Fe core-organic shell necklaces for the removal of arsenic(V) and chromium(VI) from aqueous solution. Journal of Physics and Chemistry of Solids, 2017, 109, 78-88.	1.9	53
80	3Dâ€Ridge Stocked Layers of Nitrogenâ€Doped Mesoporous Carbon Nanosheets for Ultrasensitive Monitoring of Dopamine Released from PC12 Cells under K⁺ Stimulation. Advanced Healthcare Materials, 2018, 7, e1701459.	3.9	53
81	Oneâ€Pot Fabrication of Dendritic NiO@carbonâ€“nitrogen Dot Electrodes for Screening Blood Glucose Level in Diabetes. Advanced Healthcare Materials, 2015, 4, 2110-2119.	3.9	52
82	Tailored design of Cu₂O nanocube/silicone composites as efficient foul-release coatings. RSC Advances, 2015, 5, 19933-19943.	1.7	52
83	Optical mesoscopic membrane sensor layouts for water-free and blood-free toxicants. Nano Research, 2015, 8, 3150-3163.	5.8	52
84	Ratiometric Fluorescent Chemosensor for Zn²⁺ Ions in Environmental Samples Using Supermicroporous Organicâ€Inorganic Structures as Potential Platforms. ChemistrySelect, 2017, 2, 11083-11090.	0.7	52
85	Formation of highly ordered mesoporous silica materials adopting lyotropic liquid crystal mesophases. Journal of Materials Chemistry, 2002, 12, 117-123.	6.7	51
86	Nanosized NiO particles wrapped into uniformly mesocaged silica frameworks as effective catalysts of organic amines. Applied Catalysis A: General, 2008, 337, 121-129.	2.2	51
87	A multi-pH-dependent, single optical mesosensor/captor design for toxic metals. Chemical Communications, 2012, 48, 9652.	2.2	51
88	Selective, Photoenhanced Trapping/Detrapping of Arsenate Anions Using Mesoporous Blobfish Head TiO₂ Monoliths. ACS Sustainable Chemistry and Engineering, 2017, 5, 10826-10839.	3.2	51
89	Gas nanosensor design packages based on tungsten oxide: mesocages, hollow spheres, and nanowires. Nanotechnology, 2011, 22, 485503.	1.3	50
90	Optical Nanosphere Sensor Based on Shellâ€Byâ€Shell Fabrication for Removal of Toxic Metals from Human Blood. Advanced Healthcare Materials, 2013, 2, 854-862.	3.9	50

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91	Optical supermicrosensor responses for simple recognition and sensitive removal of Cu (II) Ion target. Talanta, 2011, 83, 1341-1351.	2.9	49
92	Highly sensitive and selective volatile organic compound gas sensors based on mesoporous nanocomposite monoliths. Analytical Methods, 2011, 3, 1948.	1.3	48
93	Mesoporous NiO nanomagnets as catalysts and separators of chemical agents. Applied Catalysis B: Environmental, 2012, 127, 1-10.	10.8	48
94	Visual detection and revisable supermicrostructure sensor systems of Cu(II) analytes. Sensors and Actuators B: Chemical, 2012, 166-167, 253-263.	4.0	47
95	Mesoporous aluminosilica monoliths for the adsorptive removal of small organic pollutants. Journal of Hazardous Materials, 2012, 201-202, 23-32.	6.5	47
96	Hierarchical inorganicâ€“organic multi-shell nanospheres for intervention and treatment of lead-contaminated blood. Nanoscale, 2013, 5, 7920.	2.8	47
97	Design and evaluation of optical mesocaptor for the detection/recovery of Au(III) from an urban mine. Sensors and Actuators B: Chemical, 2014, 203, 363-374.	4.0	47
98	Mesoscopic engineering materials for visual detection and selective removal of copper ions from drinking and waste water sources. Journal of Hazardous Materials, 2021, 406, 124314.	6.5	47
99	Optical detection/collection of toxic Cd(II) ions using cubic Ia3d aluminosilica mesocage sensors. Talanta, 2012, 98, 69-78.	2.9	46
100	Hexagonalâ€Prismâ€Shaped Optical Sensor/Captor for the Optical Recognition and Sequestration of Pd^{II} Ions from Urban Mines. European Journal of Inorganic Chemistry, 2015, 2015, 179-191.	1.0	46
101	Mesoscopic Fabric Sheet Racks and Blocks as Catalysts with Efficiently Exposed Surfaces for Methanol and Ethanol Electrooxidation. Advanced Materials Interfaces, 2016, 3, 1600743.	1.9	46
102	Photo-induced recovery, optical detection, and separation of noxious SeO₃^{2â^’}using a mesoporous nanotube hybrid membrane. Journal of Materials Chemistry A, 2015, 3, 17578-17589.	5.2	45
103	Progress in sensory devices of pesticides, pathogens, coronavirus, and chemical additives and hazards in food assessment: Food safety concerns. Progress in Materials Science, 2022, 124, 100866.	16.0	44
104	Characteristic mechanisms of the homogeneous and heterogeneous oxidation of aromatic amines with transition metalî—¸oxalate complexes. Polyhedron, 2000, 19, 1317-1328.	1.0	43
105	Designs for size-exclusion separation of macromolecules by densely-engineered mesofilters. TrAC - Trends in Analytical Chemistry, 2011, 30, 447-458.	5.8	43
106	Organicâ€“inorganic hybrid mesoporous monoliths for selective discrimination and sensitive removal of toxic mercury ions. Journal of Materials Science, 2009, 44, 6764-6774.	1.7	42
107	Size-selective separations of biological macromolecules on mesocylinder silica arrays. Analytica Chimica Acta, 2011, 694, 151-161.	2.6	42
108	Instant synthesis of mesoporous monolithic materials with controllable geometry, dimension and stability: a review. Journal of Porous Materials, 2011, 18, 259-287.	1.3	41

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109	Radially oriented nanostrand electrodes to boost glucose sensing in mammalian blood. Biosensors and Bioelectronics, 2016, 77, 656-665.	5.3	41
110	Mesoporous Alumina Nanoparticles as Host Tunnelâ€like Pores for Removal and Recovery of Insecticides from Environmental Samples. ChemPlusChem, 2015, 80, 1119-1126.	1.3	39
111	Three-Dimensional, Vertical Platelets of ZnO Carriers for Selective Extraction of Cobalt Ions from Waste Printed Circuit Boards. ACS Sustainable Chemistry and Engineering, 2018, 6, 13813-13825.	3.2	39
112	Review on the key controls of designer copolymer-silica mesophase monoliths (HOM-type) with large particle morphology, ordered geometry and uniform pore dimension. Journal of Porous Materials, 2008, 15, 369-387.	1.3	38
113	Selective Recovery of Silver(I) Ions from Eâ€Waste using Cubically Multithiolated Cage Mesoporous Monoliths. European Journal of Inorganic Chemistry, 2017, 2017, 4823-4833.	1.0	37
114	Mesoporous silica nanotubes hybrid membranes for functional nanofiltration. Nanotechnology, 2010, 21, 375603.	1.3	36
115	Encapsulation of proteins into tunable and giant mesocage alumina. Chemical Communications, 2012, 48, 6708.	2.2	36
116	Bushy sphere dendrites with husk-shaped branches axially spreading out from the core for photo-catalytic oxidation/remediation of toxins. Nanoscale, 2017, 9, 7947-7959.	2.8	36
117	Effective, Lowâ€Cost Recovery of Toxic Arsenate Anions from Water by Using Hollowâ€Sphere Geode Traps. Chemistry - an Asian Journal, 2017, 12, 1952-1964.	1.7	36
118	Transparent cubic Fd3m mesoporous silica monoliths with highly controllable pore architectures. Journal of Materials Chemistry, 2005, 15, 2590.	6.7	35
119	Multidirectional porous NiO nanoplatelet-like mosaics as catalysts for green chemical transformations. Applied Catalysis B: Environmental, 2012, 123-124, 162-173.	10.8	35
120	Development of Mesoscopically Assembled Sulfated Zirconia Nanoparticles as Promising Heterogeneous and Recyclable Biodiesel Catalysts. ChemCatChem, 2013, 5, 3050-3059.	1.8	35
121	Promising supercapacitor electrodes based immobilization of proteins onto macroporous Ni foam materials. Journal of Energy Chemistry, 2015, 24, 31-38.	7.1	35
122	Linseed oil-based alkyd/Cu₂O nanocomposite coatings for surface applications. New Journal of Chemistry, 2018, 42, 10048-10058.	1.4	35
123	Synthesis, characterization and catalytic activity of highly ordered hexagonal and cubic composite monoliths. Journal of Colloid and Interface Science, 2008, 319, 477-488.	5.0	34
124	Theoretical and Experimental Sets of Choice Anode/Cathode Architectonics for High-Performance Full-Scale LIB Built-up Models. Nano-Micro Letters, 2019, 11, 84.	14.4	34
125	Electrochemical sensors-based phosphorus-doped carbon for determination of adenine DNA-nucleobases in living cells. Carbon, 2021, 173, 1093-1104.	5.4	34
126	Highly ordered, thermally/hydrothermally stable cubic Ia3d aluminosilica monoliths with low silica in frameworks. Microporous and Mesoporous Materials, 2011, 138, 51-62.	2.2	33

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127	Optical glucose biosensor built-in disposable strips and wearable electronic devices. Biosensors and Bioelectronics, 2021, 185, 113237.	5.3	33
128	Sorption and diffusion of phenols onto well-defined ordered nanoporous monolithic silicas. Journal of Colloid and Interface Science, 2003, 260, 184-194.	5.0	32
129	Mesosponge Optical Sinks for Multifunctional Mercury Ion Assessment and Recovery from Water Sources. ACS Applied Materials & Interfaces, 2015, 7, 13217-13231.	4.0	32
130	Mesoporous Organicâ€“Inorganic Coreâ€“Shell Necklace Cages for Potentially Capturing Cd²⁺ Ions from Water Sources. ChemistrySelect, 2017, 2, 6135-6142.	0.7	32
131	Inorganic-organic mesoporous hybrid segregators for selective and sensitive extraction of precious elements from urban mining. Journal of Colloid and Interface Science, 2021, 604, 61-79.	5.0	32
132	Portable sensitive and selective biosensing assay of dopamine in live cells using dual phosphorus and nitrogen doped carbon urchin-like structure. Chemical Engineering Journal, 2022, 430, 132818.	6.6	32
133	Mesoporous silica hybrid membranes for precise size-exclusive separation of silver nanoparticles. Journal of Colloid and Interface Science, 2011, 355, 348-358.	5.0	31
134	Bioadsorption of proteins on large mesocage-shaped mesoporous alumina monoliths. Colloids and Surfaces B: Biointerfaces, 2013, 103, 288-297.	2.5	30
135	Hexagonal Mg(OH)₂ Nanosheets as Antibacterial Agent for Treating Contaminated Water Sources. ChemistrySelect, 2017, 2, 11431-11437.	0.7	29
136	Trimethyl- Î² -cyclodextrin-encapsulated monolithic capillary columns: Preparation, characterization and chiral nano-LC application. Talanta, 2017, 169, 239-248.	2.9	29
137	Three-Dimensional Circular Surface Curvature of a Spherule-Based Electrode for Selective Signaling and Dynamic Mobility of Norepinephrine in Living Cells. ACS Applied Bio Materials, 2020, 3, 8496-8506.	2.3	29
138	Nano-model membrane filters for the well-controlled separation of biomolecules. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 377, 44-53.	2.3	28
139	Data on photo-nanofiller models for self-cleaning foul release coating of ship hulls. Data in Brief, 2016, 8, 1357-1364.	0.5	28
140	Selective monitoring of ultra-trace guanine and adenine from hydrolyzed DNA using boron-doped carbon electrode surfaces. Sensors and Actuators B: Chemical, 2021, 329, 129192.	4.0	28
141	In Situ Fabrication of Oneâ€Dimensionalâ€Based Lotusâ€Like Silicone/Î³â€“Al₂O₃ Nanocomposites for Marine Fouling Release Coatings. ChemistrySelect, 2017, 2, 9691-9700.	0.7	27
142	Hierarchically porous, and Cu- and Zn-containing Î³-AlOOH mesostrands as adjuvants for cancer immunotherapy. Scientific Reports, 2017, 7, 16749.	1.6	27
143	Heterogeneous catalytic activity of NiO-silica composites designated with cubic Pm3n cage nanostructures. Applied Catalysis B: Environmental, 2008, 82, 169-179.	10.8	26
144	Carbon Supported Engineering NiCo2O4 Hybrid Nanofibers with Enhanced Electrocatalytic Activity for Oxygen Reduction Reaction. Materials, 2016, 9, 759.	1.3	26

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145	Nanomembrane Canister Architectures for the Visualization and Filtration of Oxyanion Toxins with Oneâ€Step Processing. Chemistry - an Asian Journal, 2015, 10, 2467-2478.	1.7	25
146	Topical Developments of Nanoporous Membrane Filters for Ultrafine Noble Metal Nanoparticles. European Journal of Inorganic Chemistry, 2012, 2012, 5439-5450.	1.0	24
147	Mesoporous nanomagnet supercaptors for selective heme-proteins from human cells. Chemical Communications, 2012, 48, 10832.	2.2	24
148	Trapping of biological macromolecules in the three-dimensional mesocage pore cavities of monolith adsorbents. Journal of Porous Materials, 2013, 20, 679-692.	1.3	24
149	Simple and Sensitive Electrochemical Sensor-Based Three-Dimensional Porous Ni-Hemoglobin Composite Electrode. Chemosensors, 2014, 2, 235-250.	1.8	24
150	Anisotropic alignments of hierarchical Li2SiO3/TiO2 @nano-C anode//LiMnPO4@nano-C cathode architectures for full-cell lithium-ion battery. National Science Review, 2020, 7, 863-880.	4.6	24
151	Advanced Nanoscale Buildâ€Up Sensors for Daily Life Monitoring of Diabetics. Advanced Materials Interfaces, 2020, 7, 2000153.	1.9	23
152	Antimicrobial and immunomodulatory potential of nanoscale hierarchical one-dimensional zinc oxide and silicon carbide materials. Materials Chemistry and Physics, 2021, 263, 124376.	2.0	23
153	Mesoporous hexagonal and cubic aluminosilica adsorbents for toxic nitroanilines from water. Environmental Science and Pollution Research, 2013, 20, 3863-3876.	2.7	22
154	Hierarchical Nanohexagon Ceramic Sheet Layers as Platform Adsorbents for Hydrophilic and Hydrophobic Insecticides from Agricultural Wastewater. ChemPlusChem, 2015, 80, 1769-1778.	1.3	22
155	Non-metal sensory electrode design and protocol of DNA-nucleobases in living cells exposed to oxidative stresses. Analytica Chimica Acta, 2021, 1142, 143-156.	2.6	22
156	Mesoporous Cagedâ€Î³â€AlOOHâ€Doubleâ€Stranded RNA Analog Complexes for Cancer Immunotherapy. Advanced Biology, 2018, 2, 1700114.	3.0	21
157	Nitrogen-doped carbon hollow trunk-like structure as a portable electrochemical sensor for noradrenaline detection in neuronal cells. Analytica Chimica Acta, 2022, 1192, 339380.	2.6	21
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159	Antibacterial Activity of Magnesium Oxide Nanoâ€hexagonal Sheets for Wastewater Remediation. Environmental Progress and Sustainable Energy, 2019, 38, S260.	1.3	19
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