Xiaojun Han

List of Publications by Year
in descending order

215	5,807	76196	133063
papers	citations	40 h-index	59 g-index

223	223	223	6823
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recoverable peroxidase-like Fe3O4@MoS2-Ag nanozyme with enhanced antibacterial ability. Chemical Engineering Journal, 2021, 408, 127240.	6.6	205
2	Enhanced antibacterial performance of gelatin/chitosan film containing capsaicin loaded MOFs for food packaging. Applied Surface Science, 2020, 510, 145418.	3.1	120
3	Direct electrochemistry of hemoglobin in eggâ€“phosphatidylcholine films and its catalysis to H2O2. Biosensors and Bioelectronics, 2002, 17, 741-746.	5.3	119
4	Hydrodynamically Driven Selfâ€Assembly of Giant Vesicles of Metal Nanoparticles for Remoteâ€Controlled Release. Angewandte Chemie - International Edition, 2013, 52, 2463-2468.	7.2	118
5	Nanopore Arrays for Stable and Functional Freeâ€Standing Lipid Bilayers. Advanced Materials, 2007, 19, 4466-4470.	11.1	111
6	Bismuth Ferriteâ€Based Nanoplatform Design: An Ablation Mechanism Study of Solid Tumor and NIRâ€Triggered Photothermal/Photodynamic Combination Cancer Therapy. Advanced Functional Materials, 2018, 28, 1706827.	7.8	99
7	Direct electron transfer between hemoglobin and a glassy carbon electrode facilitated by lipid-protected gold nanoparticles. Biochimica Et Biophysica Acta - Bioenergetics, 2002, 1556, 273-277.	0.5	95
8	A Fissionable Artificial Eukaryote-like Cell Model. Journal of the American Chemical Society, 2017, 139, 9955-9960.	6.6	84
9	Ion Channel Behavior of Amphotericin B in Sterol-Free and Cholesterol- or Ergosterol-Containing Supported Phosphatidylcholine Bilayer Model Membranes Investigated by Electrochemistry and Spectroscopy. Biophysical Journal, 2002, 83, 3245-3255.	0.2	82
10	Chemical communication in spatially organized protocell colonies and protocell/living cell micro-arrays. Chemical Science, 2019, 10, 9446-9453.	3.7	82
11	Perovskite Microcrystals with Intercalated Monolayer MoS2 Nanosheets as Advanced Photocatalyst for Solar-Powered Hydrogen Generation. Matter, 2020, 3, 935-949.	5.0	81
12	Continuous Microfluidic Selfâ€Assembly of Hybrid Janusâ€Like Vesicular Motors: Autonomous Propulsion and Controlled Release. Small, 2015, 11, 3762-3767.	5.2	80
13	Efficient Erbiumâ€Sensitized Core/Shell Nanocrystals for Short Wave Infrared Bioimaging. Advanced Optical Materials, 2018, 6, 1800690.	3.6	80
14	Discovery of new acylaminopyridines as GSK-3 inhibitors by a structure guided in-depth exploration of chemical space around a pyrrolopyridinone core. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 1856-1863.	1.0	78
15	Lipid membrane immobilized horseradish peroxidase biosensor for amperometric determination of hydrogen peroxide. Biosensors and Bioelectronics, 2003, 18, 867-872.	5.3	75
16	Agâ€“ZnO Submicrometer Rod Arrays for High-Efficiency Photocatalytic Degradation of Congo Red and Disinfection. ACS Sustainable Chemistry and Engineering, 2019, 7, 11258-11266.	3.2	73
17	Electroformation of giant unilamellar vesicles in saline solution. Colloids and Surfaces B: Biointerfaces, 2016, 147, 368-375.	2.5	71
18	Phase separation in mixed self-assembled monolayers and its effect on biomimetic membranes. Sensors and Actuators B: Chemical, 2007, 124, 501-509.	4.0	67

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19	Programmed magnetic manipulation of vesicles into spatially coded prototissue architectures arrays. Nature Communications, 2020, 11, 232.	5.8	67
20	Microfluidic Lysis of Human Blood for Leukocyte Analysis Using Single Cell Impedance Cytometry. Analytical Chemistry, 2012, 84, 1070-1075.	3.2	66
21	Electroformation of giant unilamellar vesicles using interdigitated ITO electrodes. Journal of Materials Chemistry A, 2013, 1, 7125.	5.2	65
22	Plasmonic Ag decorated graphitic carbon nitride sheets with enhanced visible-light response for photocatalytic water disinfection and organic pollutant removal. Chemosphere, 2020, 242, 125201.	4.2	64
23	Electric field-induced synthesis of dendritic nanostructured Î±-Fe for electromagnetic absorption application. Journal of Materials Chemistry A, 2013, 1, 4571.	5.2	63
24	Mixing enhancement of novel passive microfluidic mixers with cylindrical grooves. Chemical Engineering Science, 2012, 81, 157-163.	1.9	60
25	3D Electrospun Synthetic Extracellular Matrix for Tissue Regeneration. Small Science, 2021, 1, 2100003.	5.8	59
26	Discovery of (R)-4-(8-Fluoro-2-oxo-1,2-dihydroquinazolin-3(4H)-yl)-N-(3-(7-methyl-1H-indazol-5-yl)-1-oxo-1-(4-(piperidin-1-y (BMS-694153): A Potent Antagonist of the Human Calcitonin Gene-Related Peptide Receptor for Migraine with Rapid and Efficient Intranasal Exposure. Journal of Medicinal Chemistry, 2008, 51, 4858-4861.	2.9	58
27	Polydopamine-coated liposomes as pH-sensitive anticancer drug carriers. Journal of Microencapsulation, 2016, 33, 257-262.	1.2	57
28	Multifunctional Bismuth Nanoparticles as Theranostic Agent for PA/CT Imaging and NIR Laser-Driven Photothermal Therapy. ACS Applied Nano Materials, 2018, 1, 820-830.	2.4	57
29	A Facile Method To Prepare Novel Ag₂O/Ag₂CO₃ Three-Dimensional Hollow Hierarchical Structures and Their Water Purification Function. ACS Sustainable Chemistry and Engineering, 2017, 5, 6148-6158.	3.2	56
30	Simultaneous detection of trace Cd(II) and Pb(II) by differential pulse anodic stripping voltammetry using a bismuth oxycarbide/nafion electrode. Inorganic Chemistry Communication, 2020, 111, 107672.	1.8	54
31	Chemical Signal Communication between Two Protoorganelles in a Lipid-Based Artificial Cell. Analytical Chemistry, 2019, 91, 6859-6864.	3.2	53
32	Vesicular Self-Assembly of Colloidal Amphiphiles in Microfluidics. ACS Applied Materials & Interfaces, 2013, 5, 9746-9751.	4.0	51
33	A Z-scheme ZnFe₂O₄/RGO/In₂O₃ hierarchical photocatalyst for efficient CO₂ reduction enhancement. Journal of Materials Chemistry A, 2020, 8, 6524-6531.	5.2	51
34	A novel electrochemiluminescent immunosensor based on CdS-coated ZnO nanorod arrays for HepG2 cell detection. Nanoscale, 2015, 7, 3627-3633.	2.8	50
35	Prussian blue-coated lanthanide-doped core/shell/shell nanocrystals for NIR-II image-guided photothermal therapy. Nanoscale, 2019, 11, 22079-22088.	2.8	50
36	Versatile Phospholipid Assemblies for Functional Synthetic Cells and Artificial Tissues. Advanced Materials, 2021, 33, e2002635.	11.1	50

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37	Hydrogen peroxide biosensor based on microperoxidase-11 entrapped in lipid membrane. Biosensors and Bioelectronics, 2003, 18, 1225-1230.	5.3	49
38	Synthesis of hierarchical dendritic micro-nano structure CoxFe1â˜'x alloy with tunable electromagnetic absorption performance. Journal of Materials Chemistry A, 2013, 1, 12462.	5.2	49
39	Chemical Information Exchange in Organized Protocells and Natural Cell Assemblies with Controllable Spatial Positions. Small, 2020, 16, e1906394.	5.2	48
40	A green method to synthesize flowerlike Fe(OH)3 microspheres for enhanced adsorption performance toward organic and heavy metal pollutants. Journal of Environmental Sciences, 2018, 73, 47-57.	3.2	45
41	Mixing enhancement of a passive microfluidic mixer containing triangle baffles. Asia-Pacific Journal of Chemical Engineering, 2014, 9, 877-885.	0.8	42
42	Lipid Nanotube Formation Using Space-Regulated Electric Field above Interdigitated Electrodes. ACS Nano, 2014, 8, 3961-3969.	7.3	39
43	Rational fabrication of Bi2WO6 decorated TiO2 nanotube arrays for photocatalytic degradation of organic pollutants. Materials Research Bulletin, 2022, 145, 111563.	2.7	39
44	Formation of a Supported Hybrid Bilayer Membrane on Gold:Â A Sterically Enhanced Hydrophobic Effect. Langmuir, 2002, 18, 4834-4839.	1.6	38
45	Synthesis and structureâ€“activity relationship of imidazo[1,2-a]benzimidazoles as corticotropin-releasing factor 1 receptor antagonists. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 4029-4032.	1.0	38
46	Cross coupling of 3-bromopyridine and sulfonamides (R1NHSO2R2Â·R1=H, Me, alkyl; R2=alkyl and aryl) catalyzed by CuI/1,3-di(pyridin-2-yl)propane-1,3-dione. Tetrahedron Letters, 2010, 51, 360-362.	0.7	38
47	Research Progress of Electrochemical Detection of Heavy Metal Ions. Chinese Journal of Analytical Chemistry, 2021, 49, 330-340.	0.9	38
48	UiO-66 based electrochemical sensor for simultaneous detection of Cd(II) and Pb(II). Inorganic Chemistry Communication, 2021, 131, 108785.	1.8	38
49	Electrocatalytic oxidation of ascorbic acid by norepinephrine embedded in lipid cast film at glassy carbon electrode. Electrochimica Acta, 2001, 46, 3367-3371.	2.6	37
50	Formation of individual protein channels in lipid bilayers suspended in nanopores. Colloids and Surfaces B: Biointerfaces, 2009, 73, 325-331.	2.5	37
51	Manipulation and charge determination of proteins in photopatterned solid supported bilayers. Integrative Biology (United Kingdom), 2009, 1, 205-211.	0.6	37
52	Flexible amorphous MoS2 nanoflakes/N-doped carbon microtubes/reduced graphite oxide composite paper as binder free anode for full cell lithium ion batteries. Electrochimica Acta, 2020, 333, 135568.	2.6	37
53	Supported Bilayer Lipid Membrane Arrays on Photopatterned Selfâ€Assembled Monolayers. Chemistry - A European Journal, 2007, 13, 7957-7964.	1.7	36
54	Concentrating Membrane Proteins Using Asymmetric Traps and AC Electric Fields. Journal of the American Chemical Society, 2011, 133, 6521-6524.	6.6	36

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55	Magnetically triggered drug release from biocompatible microcapsules for potential cancer therapeutics. Journal of Materials Chemistry B, 2016, 4, 3269-3277.	2.9	36
56	A Highly Efficient ZrO₂ Nanoparticle Based Electrochemical Sensor for the Detection of Organophosphorus Pesticides. Chinese Journal of Chemistry, 2015, 33, 1135-1139.	2.6	35
57	Interactions of the baicalin and baicalein with bilayer lipid membranes investigated by cyclic voltammetry and UVâ€“Vis spectroscopy. Bioelectrochemistry, 2014, 95, 29-33.	2.4	33
58	Morphology-controlled synthesis of Ag nanoparticle decorated poly(o-phenylenediamine) using microfluidics and its application for hydrogen peroxide detection. Chemical Engineering Journal, 2015, 268, 102-108.	6.6	33
59	Progress on Electrocatalysts of Hydrogen Evolution Reaction Based on Carbon Fiber Materials. Chinese Journal of Analytical Chemistry, 2016, 44, 1447-1457.	0.9	33
60	Fabrication of Chemical Gradient Using Space Limited Plasma Oxidation and its Application for Droplet Motion. Advanced Functional Materials, 2012, 22, 4533-4538.	7.8	32
61	Concentration-dependent behavior of nisin interaction with supported bilayer lipid membrane. Biophysical Chemistry, 2002, 99, 271-279.	1.5	31
62	Direct measurement of surface charge distribution in phase separating supported lipid bilayers. Nanoscale, 2018, 10, 4538-4544.	2.8	31
63	Effect of bovine lactoferrin and human lactoferrin on the proliferative activity of the osteoblast cell line MC3T3-E1 in vitro. Journal of Dairy Science, 2018, 101, 1827-1833.	1.4	31
64	An edible film of sodium alginate/pullulan incorporated with capsaicin. New Journal of Chemistry, 2018, 42, 17756-17761.	1.4	31
65	A Novel Method To Fabricate Patterned Bilayer Lipid Membranes. Langmuir, 2007, 23, 1354-1358.	1.6	30
66	MoS₂@HKUSTâ€1 Flowerâ€Like Nanohybrids for Efficient Hydrogen Evolution Reactions. Chemistry - A European Journal, 2018, 24, 1080-1087.	1.7	29
67	Surface-engineered vanadium nitride nanosheets for an imaging-guided photothermal/photodynamic platform of cancer treatment. Nanoscale, 2019, 11, 1968-1977.	2.8	29
68	Melt Electrospinning Writing of Magnetic Microrobots. Advanced Science, 2021, 8, 2003177.	5.6	29
69	An azo-phenol derivative probe: colorimetric and â€œturn-onâ€•fluorescent detection of copper(<scp>ii</scp>) ions and pH value in aqueous solution. RSC Advances, 2017, 7, 20537-20541.	1.7	27
70	Deformation of giant unilamellar vesicles under osmotic stress. Colloids and Surfaces B: Biointerfaces, 2018, 172, 459-463.	2.5	27
71	Acoustic deformation for the extraction of mechanical properties of lipid vesicle populations. Physical Review E, 2019, 99, 063002.	0.8	27
72	Improved Photoreaction Yields for Soft Ultraviolet Photolithography in Organothiol Self-Assembled Monolayers. Journal of Physical Chemistry C, 2009, 113, 21642-21647.	1.5	26

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73	Lipid bilayer modified gold nanorod@mesoporous silica nanoparticles for controlled drug delivery triggered by near-infrared light. Journal of Materials Chemistry B, 2018, 6, 8078-8084.	2.9	26
74	Interdigited Phospholipid/Alkanethiol Bilayers Assembled on APTMS-Supported Gold Colloid Electrodes. Electroanalysis, 2004, 16, 127-131.	1.5	25
75	Electrochemiluminescent TiO2/CdS nanocomposites for efficient immunosensing of HepG2 cells. Journal of Materials Chemistry B, 2013, 1, 5021.	2.9	25
76	Resistance risk assessment for fludioxonil inStemphylium solani. Annals of Applied Biology, 2015, 167, 277-284.	1.3	25
77	Bioadhesive anisotropic nanogrooved microfibers directing three-dimensional neurite extension. Biomaterials Science, 2019, 7, 2165-2173.	2.6	25
78	SiO₂/MXene/Poly(tetrafluoroethylene)-Based Janus Membranes as Solar Absorbers for Solar Steam Generation. ACS Applied Nano Materials, 2021, 4, 14274-14284.	2.4	25
79	Thylakoid Containing Artificial Cells for the Inhibition Investigation of Light-Driven Electron Transfer during Photosynthesis. ACS Synthetic Biology, 2018, 7, 945-951.	1.9	24
80	Hierarchical drug release of pH-sensitive liposomes encapsulating aqueous two phase system. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 127, 177-182.	2.0	24
81	Magnetic field triggered drug release from lipid microcapsule containing lipid-coated magnetic nanoparticles. Chemical Physics Letters, 2018, 706, 455-460.	1.2	23
82	Growth of cationic lipid toward bilayer lipid membrane by solution spreading: scanning probe microscopy study. Chemistry and Physics of Lipids, 2003, 123, 177-185.	1.5	22
83	A Strategy for Constructing a Hybrid Bilayer Membrane Based on a Carbon Substrate. Analytical Chemistry, 2003, 75, 6566-6570.	3.2	22
84	Efficient Synthesis of Î±-Tertiary Î±-Silylamines from Aryl Sulfonylimidates via One-Pot, Sequential Câ€“Si/Câ€“C Bond Formations. Organic Letters, 2012, 14, 2906-2909.	2.4	22
85	Sliding Wear Map for AZ31 Magnesium Alloy. Tribology Transactions, 2014, 57, 1077-1085.	1.1	22
86	Optimization of Brownian ratchets for the manipulation of charged components within supported lipid bilayers. Applied Physics Letters, 2015, 106, .	1.5	22
87	Hollow Platinum Nanospheres and Nanotubes Templated by Shear Flow-Induced Lipid Vesicles and Tubules and Their Applications on Hydrogen Evolution. ACS Sustainable Chemistry and Engineering, 2016, 4, 3773-3779.	3.2	22
88	Detection of Tetracycline in Water Using Glutathione-protected Fluorescent Gold Nanoclusters. Analytical Sciences, 2019, 35, 367-370.	0.8	22
89	Targeted miR-21 loaded liposomes for acute myocardial infarction. Journal of Materials Chemistry B, 2020, 8, 10384-10391.	2.9	22
90	Recent progress of inorganic metal-based catalysts in electrocatalytic synthesis of ammonia. Materials Today Energy, 2021, 21, 100766.	2.5	22

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91	Study of the interaction between lanthanide ions and a supported bilayer lipid membrane by cyclic voltammetry and ac impedance. Journal of Electroanalytical Chemistry, 2002, 523, 136-141.	1.9	21
92	A practical and expedient synthesis of 2-heterocycle (Câ€“N bond) substituted 4-oxo-4-arylbutanoates. Tetrahedron Letters, 2007, 48, 2845-2849.	0.7	21
93	Syntheses of aza and fluorine-substituted 3-(piperidin-4-yl)-4,5-dihydro-1H-benzo[d][1,3]diazepin-2(3H)-ones. Tetrahedron Letters, 2009, 50, 386-388.	0.7	21
94	A Selfâ€assembly Route for Double Bilayer Lipid Membrane Formation. ChemPhysChem, 2010, 11, 569-574.	1.0	21
95	Effect of cholesterol on the fluidity of supported lipid bilayers. Colloids and Surfaces B: Biointerfaces, 2020, 196, 111353.	2.5	21
96	Interaction of K7Fe3+P2W17O62H2 with supported bilayer lipid membranes on platinum electrode. Biophysical Chemistry, 2003, 106, 31-38.	1.5	20
97	A biomimetic enzyme modified electrode for H₂O₂ highly sensitive detection. Analyst, The, 2015, 140, 7792-7798.	1.7	20
98	Development of 1H-Pyrazolo[3,4-b]pyridines as Metabotropic Glutamate Receptor 5 Positive Allosteric Modulators. ACS Medicinal Chemistry Letters, 2016, 7, 1082-1086.	1.3	20
99	Phospholipidâ€“Block Copolymer Hybrid Vesicles with Lysosomal Escape Ability. Langmuir, 2018, 34, 6874-6886.	1.6	20
100	Multicompartmentalized vesosomes containing DOX loaded liposomes and 5FU loaded liposomes for synergistic tumor treatment. New Journal of Chemistry, 2019, 43, 4895-4899.	1.4	20
101	Electrochemistry and spectroscopy study on the interaction of microperoxidase-11 with lipid membrane. Biophysical Chemistry, 2001, 94, 165-173.	1.5	19
102	A water soluble, recyclable organostannatrane. Tetrahedron Letters, 2001, 42, 5837-5839.	0.7	19
103	Catalytic Asymmetric Syntheses of Tyrosine Surrogates. Journal of Organic Chemistry, 2008, 73, 8502-8510.	1.7	19
104	A Cholesterolâ€Based Tether for Creating Photopatterned Lipid Membrane Arrays on both a Silica and Gold Surface. Chemistry - A European Journal, 2009, 15, 6363-6370.	1.7	19
105	Decoratable hybrid-film-patch stabilized Pickering emulsions and their catalytic applications. Nano Research, 2015, 8, 2603-2610.	5.8	19
106	Pointâ€toâ€Plane Nonhomogeneous Electricâ€Fieldâ€Induced Simultaneous Formation of Giant Unilamellar Vesicles (GUVs) and Lipid Tubes. Chemistry - A European Journal, 2016, 22, 2906-2909.	1.7	19
107	Selfâ€Assembled â€œBreathingâ€•Granaâ€Like Cisternae Stacks. Advanced Materials, 2018, 30, e1707482.	11.1	19
108	Giant Unilamellar Vesicle Microarrays for Cell Function Study. Analytical Chemistry, 2018, 90, 14363-14367.	3.2	19

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109	Construction of novel 3D ZnO hierarchical structure with Fe3O4 assist and its enhanced visible light photocatalytic performance. Journal of Environmental Chemical Engineering, 2020, 8, 103548.	3.3	19
110	A hierarchically ordered compacted coil scaffold for tissue regeneration. NPG Asia Materials, 2020, 12, .	3.8	19
111	CdTeâ€paperâ€based Visual Sensor for Detecting Methyl Viologen. Chinese Journal of Chemistry, 2015, 33, 446-450.	2.6	18
112	An Investigation on Subsurface Microstructural Evolution and Mild to Severe Wear Transition in AZ51 Magnesium Alloy. Tribology Transactions, 2015, 58, 549-559.	1.1	18
113	Liposome-mediated conformation transition of DNA detected by molecular probe: methyl green. Bioelectrochemistry, 2003, 59, 21-27.	2.4	17
114	Synthesis, structureâ€“activity relationships, and anxiolytic activity of 7-aryl-6,7-dihydroimidazoimidazole corticotropin-releasing factor 1 receptor antagonists. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 3870-3873.	1.0	17
115	Morphology controllable fabrication of poly-o-phenylenediamine microstructures tuned by the ionic strength and their applications in pH sensors. Journal of Materials Chemistry A, 2014, 2, 19208-19213.	5.2	17
116	A pH-responsive asymmetric lipid vesicle as drug carrier. Journal of Microencapsulation, 2016, 33, 663-668.	1.2	17
117	High-concentration organic dye removal using Fe₂O₃Â·3.9MoO₃ nanowires as Fenton-like catalysts. Environmental Science: Nano, 2018, 5, 2069-2076.	2.2	17
118	High-throughput production of functional prototissues capable of producing NO for vasodilation. Nature Communications, 2022, 13, 2148.	5.8	17
119	Defect Formation Induced by PAMAM Dendrimers on Pt-Supported Bilayer Lipid Membranes Investigated by Electrochemistry. Journal of the Electrochemical Society, 2003, 150, E218.	1.3	16
120	A novel strategy for water disinfection with a AgNPs/gelatin sponge filter. Environmental Science and Pollution Research, 2018, 25, 19480-19487.	2.7	16
121	Antiâ€adipogenesis and metabolismâ€regulating effects of heatâ€inactivated Streptococcus thermophilus MNâ€ZLWâ€002. Letters in Applied Microbiology, 2021, 72, 677-687.	1.0	16
122	Characterization and property of DNA incorporated bilayer lipid membranes. Biophysical Chemistry, 2003, 105, 1-9.	1.5	15
123	Size controllable synthesis and antimicrobial activity of poly-N,Nâ€²-[(4,5-dihydroxy-1,2-phenylene)bis(methylene)]bisacrylamide microspheres. RSC Advances, 2014, 4, 57891-57898.	1.7	15
124	Effects of Loading and Sliding Speed on the Dry Sliding Wear Behavior of Mg-3Al-0.4Si Magnesium Alloy. Tribology Transactions, 2017, 60, 238-248.	1.1	15
125	Electroformation of double vesicles using an amplitude modulated electric field. Colloids and Surfaces B: Biointerfaces, 2017, 160, 697-703.	2.5	15
126	Reversible conductivity recovery of highly sensitive flexible devices by water vapor. Npj Flexible Electronics, 2018, 2, .	5.1	15

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127	Multicompartmentalized Microreactors Containing Nuclei and Catalase-Loaded Liposomes. Biomacromolecules, 2018, 19, 4379-4385.	2.6	15
128	Molybdenum Disulfide Nanoflakes Covered Carbonized Catkin Microtube Hybrids as Superior Catalysts for Electrochemical Hydrogen Evolution. ACS Sustainable Chemistry and Engineering, 2018, 6, 11255-11264.	3.2	15
129	ZnO/Agâ€“Ag2O microstructures for high-performance photocatalytic degradation of organic pollutants. Clean Technologies and Environmental Policy, 2019, 21, 367-378.	2.1	15
130	Fe doped InVO4 nanosheets with rich surface oxygen vacancies for enhanced electrochemical nitrogen fixation. Chemical Engineering Journal, 2022, 431, 133383.	6.6	15
131	Palladium Nanotubes Formed by Lipid Tubule Templating and Their Application in Ethanol Electrocatalysis. Chemistry - A European Journal, 2015, 21, 6084-6089.	1.7	14
132	Fabrication of pH sensitive microcapsules using soft templates and their application to drug release. RSC Advances, 2015, 5, 51271-51277.	1.7	14
133	High Impedance Dropletâ€“Solid Interface Lipid Bilayer Membranes. Analytical Chemistry, 2015, 87, 2094-2099.	3.2	14
134	Simultaneous determination of trace Cd²⁺ and Pb²⁺ using GR/<scp>I</scp>-cysteine/Bi modified screen-printed electrodes. Analytical Methods, 2018, 10, 4945-4950.	1.3	14
135	Prediction of the size of electroformed giant unilamellar vesicle using response surface methodology. Biophysical Chemistry, 2019, 253, 106217.	1.5	14
136	Phototherapy ablation of rabbit orthotopic tumors by non-stoichiometric BiPO4â^'x nanoparticles. Chemical Engineering Journal, 2020, 386, 123961.	6.6	14
137	Principles and Applications of Single Particle Tracking in Cell Research. Small, 2021, 17, e2005133.	5.2	14
138	Mimicking Cellular Metabolism in Artificial Cells: Universal Molecule Transport across the Membrane through Vesicle Fusion. Analytical Chemistry, 2022, 94, 3811-3818.	3.2	14
139	Reversible Deformation of Artificial Cell Colonies Triggered by Actin Polymerization for Muscle Behavior Mimicry. Advanced Materials, 2022, 34, .	11.1	14
140	Catalytic Asymmetric Syntheses of Î±-Amino and Î±-Hydroxyl Acid Derivatives. Journal of Organic Chemistry, 2009, 74, 3993-3996.	1.7	13
141	The synthesis and SAR of calcitonin gene-related peptide (CGRP) receptor antagonists derived from tyrosine surrogates. Part 1. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 4723-4727.	1.0	13
142	Bifunctional Demulsifier of ODTS Modified Magnetite/Reduced Graphene Oxide Nanocomposites for Oilâ€“water Separation. ChemistrySelect, 2016, 1, 4742-4746.	0.7	13
143	Codelivery of doxorubicin and sodium tanshinone IIA sulfonate using multicompartmentalized vesosomes to enhance synergism and prevent doxorubicin-induced cardiomyocyte apoptosis. Journal of Materials Chemistry B, 2018, 6, 5243-5247.	2.9	13
144	In situ Surface Charge Density Visualization of Selfâ€assembled DNA Nanostructures after Ion Exchange. ChemPhysChem, 2020, 21, 1474-1482.	1.0	13

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145	Ion-Channel Sensing of Ferricyanide Anion Based on a Supported Bilayer Lipid Membrane.. Analytical Sciences, 2001, 17, 1171-1174.	0.8	12
146	A Ferricyanideâ€mediated Activated Sludge Bioassay for Determination of the Toxicity of Water. Electroanalysis, 2016, 28, 580-587.	1.5	12
147	Necklace-like fiber composite membrane for high-efficiency particulate matter capture. Applied Surface Science, 2017, 425, 220-226.	3.1	12
148	A biocompatible artificial tendril with a spontaneous 3D Janus multi-helix-perversion configuration. Materials Chemistry Frontiers, 2020, 4, 2149-2156.	3.2	12
149	Rational Construction of MnCo₂O_{4.5} Deposited TiO₂ Nanotube Array Heterostructures with Enhanced Photocatalytic Degradation of Tetracycline. ChemPhotoChem, 2020, 4, 366-372.	1.5	12
150	Studies of Perchlorate Triggered Ion-Gate Behavior of sBLM by Electrochemiluminescence and Its Application to a Sensor for Perchlorate. Electroanalysis, 2002, 14, 1185-1190.	1.5	11
151	Self-Assembled Rough Endoplasmic Reticulum-Like Proto-Organelles. IScience, 2018, 8, 138-147.	1.9	11
152	Direct and fast capture lactoferrin from cheese whey on nanoparticles of Fe3O4 combined with concanavalin A. Food Chemistry, 2019, 274, 314-318.	4.2	11
153	Biomimetic light-activatable graphene-based nanoarchitecture for synergistic chemophotothermal therapy. Chemical Engineering Journal, 2021, 420, 127710.	6.6	11
154	Forming Lipid Bilayer Membrane Arrays on Micropatterned Polyelectrolyte Film Surfaces. Chemistry - A European Journal, 2013, 19, 9059-9063.	1.7	10
155	An Investigation on Transition Between Mild and Severe Wear in Mgâ€“5Alâ€“0.8Zn Magnesium Alloy Using Recrystallization Kinetics Modeling. Journal of Tribology, 2015, 137, .	1.0	10
156	Topological Defect-Driven Buckling of Phospholipid Bicelles to Cones for Micromotors with Modulated Heading Pathways. ACS Nano, 2019, 13, 3573-3579.	7.3	10
157	Chemical sensors for environmental pollutant determination. , 2019, , 147-160.		10
158	Uniform octahedral ZrO2@C from carbonized UiO-66 for electrocatalytic nitrogen reduction. Materials Today Energy, 2021, 22, 100884.	2.5	10
159	An orally active corticotropin releasing factor 1 receptor antagonist from 8-aryl-1,3a,7,8-tetraaza-cyclopenta[a]indenes. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 2026-2030.	1.0	9
160	Formation of Lipid Bilayer Microarrays on Photoâ€Oxidized Polystyrene Surfaces. Chemistry - A European Journal, 2011, 17, 14741-14744.	1.7	9
161	A Universal Approach for the Reversible Phase Transfer of Hydrophilic Nanoparticles. Chemistry - A European Journal, 2014, 20, 15580-15586.	1.7	9
162	Roles of Friction-Induced Strain Hardening and Recrystallization in Dry Sliding Wear of AZ31 Magnesium Alloy. Transactions of the Indian Institute of Metals, 2015, 68, 89-98.	0.7	9

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163	Supported lipid bilayer membrane arrays on micro-patterned ITO electrodes. RSC Advances, 2016, 6, 72821-72826.	1.7	9
164	Lipid tubes formation induced by electroosmotic flow. Chemical Physics Letters, 2018, 706, 515-519.	1.2	9
165	Polymer antibacterial agent immobilized polyethylene films as efficient antibacterial cling films. Materials Science and Engineering C, 2019, 105, 110088.	3.8	9
166	Facilitated Ion-Transfer of Sodium Cation by (Anthraquinone-1-yloxy) methane-15-crown-5 Across the Water/1,2-Dichloroethane Microinterface. Electroanalysis, 2004, 16, 1014-1018.	1.5	8
167	The synthesis and SAR of calcitonin gene-related peptide (CGRP) receptor antagonists derived from tyrosine surrogates. Part 2. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 1870-1873.	1.0	8
168	Photosynthetic Proteins in Supported Lipid Bilayers: Towards a Biokleptic Approach for Energy Capture. Small, 2015, 11, 3306-3318.	5.2	8
169	Micromixing enhancement in a novel passive mixer with symmetrical cylindrical grooves. Asia-Pacific Journal of Chemical Engineering, 2015, 10, 201-209.	0.8	8
170	Inorganic microcapsules mineralized at the interface of water droplets in ethanol solution and their application as drug carriers. RSC Advances, 2015, 5, 82247-82251.	1.7	8
171	Lipid membrane formation on chemical gradient modified surfaces. RSC Advances, 2016, 6, 11325-11328.	1.7	8
172	Bowlâ€like Micromotors Using Red Blood Cell Membrane as Template. ChemistrySelect, 2019, 4, 10296-10298.	0.7	8
173	A multifunctional biomimetic hybrid nanocarrier for the controlled delivery of chemotherapy drugs by near-infrared light. New Journal of Chemistry, 2019, 43, 2752-2757.	1.4	8
174	Impact of Electric Fields on the Nanoscale Behavior of Lipid Monolayers at the Surface of Graphite in Solution. Langmuir, 2018, 34, 9561-9571.	1.6	7
175	Interaction of pH-responsive polyanions with phospholipid membranes. Polymer Chemistry, 2019, 10, 5992-5997.	1.9	7
176	Profiles of gut microbiota in children with obesity from Harbin, China and screening of strains with antiâ€obesity ability in vitro and in vivo. Journal of Applied Microbiology, 2020, 129, 728-737.	1.4	7
177	Non-viral nanocarriers for CRISPR-Cas9 gene editing system delivery. Chemical Engineering Journal, 2022, 435, 135116.	6.6	7
178	RGD Peptide Modified Erythrocyte Membrane/Porous Nanoparticles Loading Mir-137 for NIR-Stimulated Theranostics of Glioblastomas. Nanomaterials, 2022, 12, 1464.	1.9	7
179	Electrochemical Study of the Bilayer Lipid Membrane. Behavior Research Methods, 2005, 2, 261-303.	2.3	6
180	Controllable synthesis Fe3O4@POHABA core-shell nanostructure as high-performance recyclable bifunctional magnetic antimicrobial agent. Environmental Science and Pollution Research, 2017, 24, 19011-19020.	2.7	6

#	Article	IF	Citations
181	Template-free synthesis of inorganic hollow spheres at water/â€œwater-brotherâ€•interfaces as Fenton-like reagents for water treatment. Journal of Environmental Sciences, 2017, 55, 331-338.	3.2	6
182	Interaction of cells with patterned reactors. Biomaterials Science, 2018, 6, 793-802.	2.6	6
183	Catâ€Tailâ€Like Mesostructured Silica Fibers Decorated with Gold Nanowires: Synthesis, Characterization, and Application as Stretchable Sensors. ChemPlusChem, 2019, 84, 1031-1038.	1.3	6
184	Multilayer giant unilamellar vesicles as a model of artificial tissue for drug screen. Chemical Physics Letters, 2019, 717, 34-37.	1.2	6
185	Magnetic-responsive Pickering emulsion and its catalytic application at the waterâ€“oil interface. New Journal of Chemistry, 2021, 45, 3974-3980.	1.4	6
186	Bacterial Behavior in Confined Spaces. Frontiers in Cell and Developmental Biology, 2021, 9, 629820.	1.8	6
187	Breast milk flora plays an important role in infantile eczema: cohort study in Northeast China. Journal of Applied Microbiology, 2021, 131, 2981-2993.	1.4	6
188	Direct Z-scheme charge transfer of Bi2WO6/InVO4 interface for efficient photocatalytic CO2 reduction. Chemical Engineering Journal, 2022, 446, 137129.	6.6	6
189	Light-triggered generation of multifunctional gas-filled capsules on-demand. Journal of Materials Chemistry C, 2016, 4, 652-658.	2.7	5
190	Formation of square prism-shaped poly(o-phenylenediamine) fibers triggered by high ionic strength. RSC Advances, 2016, 6, 21895-21899.	1.7	5
191	Phospholipid Self-Assemblies Shaped Like Ancient Chinese Coins for Artificial Organelles. Analytical Chemistry, 2020, 92, 6060-6064.	3.2	5
192	Manipulation of gold coated microspheres using electrorotation. Science China Technological Sciences, 2011, 54, 643-649.	2.0	4
193	Synthesis and SAR of calcitonin gene-related peptide (CGRP) antagonists containing substituted aryl-piperazines and piperidines. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 1229-1232.	1.0	4
194	Preparation Methods for Phospholipid Vesicle Arrays and Their Applications in Biological Analysis. Chinese Journal of Analytical Chemistry, 2019, 47, 1134-1144.	0.9	4
195	Functional Graphene Derivatives for Chemotherapy-Based Synergistic Tumor Therapy. Nano, 2019, 14, 1930006.	0.5	4
196	Microbial Electrode Sensor for Heavy-metal Ions. Sensors and Materials, 2019, 31, 4103.	0.3	4
197	Red blood cell membrane-coated biomimetic upconversion nanoarchitectures for synergistic chemo-photodynamic therapy. New Journal of Chemistry, 2021, 45, 22269-22279.	1.4	4
198	Progress on Crowding Effect in Cell-like Structures. Membranes, 2022, 12, 593.	1.4	4

#	Article	IF	Citations
199	Electrochemical study of ion channel behavior in incorporated poly L-glutamate bilayer lipid membranes. Journal of Bioenergetics and Biomembranes, 2002, 34, 185-191.	1.0	3
200	Salt-induced square prism Pd microtubes and their ethanol electrocatalysis properties. Applied Surface Science, 2017, 403, 677-681.	3.1	3
201	Forming Bilayer Lipid Membranes on Polyaniline Surface and Its Application on Potassium-Ion Sensor. Nanoscience and Nanotechnology Letters, 2013, 5, 643-647.	0.4	2
202	Engineering C, 2017, 77, 624-629.	3.8	2
203	Lipid Bilayer Membrane Arrays: Fabrication and Applications. Advances in Biochemical Engineering/Biotechnology, 2012, 131, 121-152.	0.6	1
204	Hydorgen Peroxide Biosensor Based on Direct Electrochemistry of Hemin in Eggâ€“Phosphatidylcholine Films. Chinese Journal of Analytical Chemistry, 2013, 41, 1719-1723.	0.9	1
205	Combination of hematin and PEDOT via 1-pyrenebutanoic acid: a new platform for direct electrochemistry of hematin and biosensing applications. RSC Advances, 2014, 4, 46980-46986.	1.7	1
206	Fabrication of Thicknessâ€Controllable Micropatterned Polyelectrolyteâ€Film/Nanoparticle Surfaces by Using the Plasma Oxidation Method. Chemistry - an Asian Journal, 2016, 11, 1059-1064.	1.7	1
207	Patterned Liposomeâ€“Polymer Composite Coatings. ChemNanoMat, 2016, 2, 822-829.	1.5	1
208	Catâ€Tailâ€Like Mesostructured Silica Fibers Decorated with Gold Nanowires: Synthesis, Characterization, and Application as Stretchable Sensors. ChemPlusChem, 2019, 84, 1030-1030.	1.3	1
209	Recent Progress of Lung Cancer Diagnosis Using Nanomaterials. Crystals, 2021, 11, 24.	1.0	1
210	Micrometer-size double-helical structures from phospholipid-modified carbon nanotubes. Soft Matter, 2022, 18, 2726-2730.	1.2	1
211	In Situ Synthesis of Lipid Analogues Leading to Artificial Cell Growth and Division. ChemSystemsChem, 0, , .	1.1	1
212	MIGRATION OF CHARGED SPECIES IN LIPID BILAYER MEMBRANES UNDER AN ELECTRIC FIELD. Nano, 2013, 08, 1230006.	0.5	0
213	Frontispiece: Palladium Nanotubes Formed by Lipid Tubule Templating and Their Application in Ethanol Electrocatalysis. Chemistry - A European Journal, 2015, 21, n/a-n/a.	1.7	0
214	Microbubbles for Tumor Targeting Theranostics. , 2016, , 277-297.		0
215	Frontispiece: MoS₂@HKUSTâ€1 Flowerâ€Like Nanohybrids for Efficient Hydrogen Evolution Reactions. Chemistry - A European Journal, 2018, 24, .	1.7	0