

Chong Cheng

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

144 papers	6,893 citations	48 h-index	78 g-index
155 ext. papers	8,459 ext. citations	11.4 avg, IF	6.29 L-index

#	Paper	IF	Citations
144	Two-dimensional carbon-coated graphene/metal oxide hybrids for enhanced lithium storage. <i>ACS Nano</i> , 2012 , 6, 8349-56	16.7	378
143	Functional Graphene Nanomaterials Based Architectures: Biointeractions, Fabrications, and Emerging Biological Applications. <i>Chemical Reviews</i> , 2017 , 117, 1826-1914	68.1	333
142	Active Salt/Silica-Templated 2D Mesoporous FeCo-N -Carbon as Bifunctional Oxygen Electrodes for Zinc-Air Batteries. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 1856-1862	16.4	267
141	The hydrodynamic permeability and surface property of polyethersulfone ultrafiltration membranes with mussel-inspired polydopamine coatings. <i>Journal of Membrane Science</i> , 2012 , 417-418, 228-236	9.6	223
140	Biopolymer functionalized reduced graphene oxide with enhanced biocompatibility via mussel inspired coatings/anchors. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 265-275	7.3	213
139	Carbon-Based Microbial-Fuel-Cell Electrodes: From Conductive Supports to Active Catalysts. <i>Advanced Materials</i> , 2017 , 29, 1602547	24	182
138	Toward 3D graphene oxide gels based adsorbents for high-efficient water treatment via the promotion of biopolymers. <i>Journal of Hazardous Materials</i> , 2013 , 263 Pt 2, 467-78	12.8	159
137	Mussel-inspired self-coating at macro-interface with improved biocompatibility and bioactivity via dopamine grafted heparin-like polymers and heparin. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 363-375	7.3	149
136	In-Plane Carbon Lattice-Defect Regulating Electrochemical Oxygen Reduction to Hydrogen Peroxide Production over Nitrogen-Doped Graphene. <i>ACS Catalysis</i> , 2019 , 9, 1283-1288	13.1	128
135	Progress in heparin and heparin-like/mimicking polymer-functionalized biomedical membranes. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 7649-7672	7.3	127
134	General and biomimetic approach to biopolymer-functionalized graphene oxide nanosheet through adhesive dopamine. <i>Biomacromolecules</i> , 2012 , 13, 4236-46	6.9	127
133	Biomimetic assembly of polydopamine-layer on graphene: Mechanisms, versatile 2D and 3D architectures and pollutant disposal. <i>Chemical Engineering Journal</i> , 2013 , 228, 468-481	14.7	127
132	Modification of polyethersulfone hemodialysis membrane by blending citric acid grafted polyurethane and its anticoagulant activity. <i>Journal of Membrane Science</i> , 2012 , 405-406, 261-274	9.6	118
131	Novel heparin-mimicking polymer brush grafted carbon nanotube/PES composite membranes for safe and efficient blood purification. <i>Journal of Membrane Science</i> , 2015 , 475, 455-468	9.6	114
130	Polyaniline-coupled multifunctional 2D metal oxide/hydroxide graphene nanohybrids. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 12105-9	16.4	105
129	Polyethersulfone enwrapped graphene oxide porous particles for water treatment. <i>Chemical Engineering Journal</i> , 2013 , 215-216, 72-81	14.7	98
128	2D Porous Carbons prepared from Layered Organic-Inorganic Hybrids and their Use as Oxygen-Reduction Electrocatalysts. <i>Advanced Materials</i> , 2017 , 29, 1700707	24	95

127	Atomic Fe-N Coupled Open-Mesoporous Carbon Nanofibers for Efficient and Bioadaptable Oxygen Electrode in Mg-Air Batteries. <i>Advanced Materials</i> , 2018 , 30, e1802669	24	95
126	Nonchemotherapeutic and Robust Dual-Responsive Nanoagents with On-Demand Bacterial Trapping, Ablation, and Release for Efficient Wound Disinfection. <i>Advanced Functional Materials</i> , 2018 , 28, 1705708	15.6	92
125	Metal-Organic-Framework-Derived 2D Carbon Nanosheets for Localized Multiple Bacterial Eradication and Augmented Anti-infective Therapy. <i>Nano Letters</i> , 2019 , 19, 5885-5896	11.5	90
124	High efficient protocol for the modification of polyethersulfone membranes with anticoagulant and antifouling properties via in situ cross-linked copolymerization. <i>Journal of Membrane Science</i> , 2014 , 468, 172-183	9.6	80
123	Designing MOF Nanoarchitectures for Electrochemical Water Splitting. <i>Advanced Materials</i> , 2021 , 33, e2006042	24	76
122	A degradable brush polymer-drug conjugate for pH-responsive release of doxorubicin. <i>Polymer Chemistry</i> , 2015 , 6, 953-961	4.9	73
121	Biologically inspired membrane design with a heparin-like interface: prolonged blood coagulation, inhibited complement activation, and bio-artificial liver related cell proliferation. <i>Biomaterials Science</i> , 2014 , 2, 98-109	7.4	72
120	Bioinspired and biocompatible carbon nanotube-Ag nanohybrid coatings for robust antibacterial applications. <i>Acta Biomaterialia</i> , 2017 , 51, 479-494	10.8	71
119	Toward highly blood compatible hemodialysis membranes via blending with heparin-mimicking polyurethane: Study in vitro and in vivo. <i>Journal of Membrane Science</i> , 2014 , 470, 90-101	9.6	71
118	Size-Transformable Metal-Organic Framework-Derived Nanocarbons for Localized Chemo-Photothermal Bacterial Ablation and Wound Disinfection. <i>Advanced Functional Materials</i> , 2019 , 29, 1900143	15.6	70
117	Substrate-Independent Robust and Heparin-Mimetic Hydrogel Thin Film Coating via Combined LbL Self-Assembly and Mussel-Inspired Post-Cross-linking. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 26050-62	9.5	70
116	Mussel-Inspired Synthesis of NIR-Responsive and Biocompatible Ag-Graphene 2D Nanoagents for Versatile Bacterial Disinfections. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 296-307	9.5	70
115	Heparin-mimicking multilayer coating on polymeric membrane via LbL assembly of cyclodextrin-based supramolecules. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 21603-14	9.5	68
114	Metal-Organic Precursor-Derived Mesoporous Carbon Spheres with Homogeneously Distributed Molybdenum Carbide/Nitride Nanoparticles for Efficient Hydrogen Evolution in Alkaline Media. <i>Advanced Functional Materials</i> , 2019 , 29, 1807419	15.6	68
113	Surface-engineered nanogel assemblies with integrated blood compatibility, cell proliferation and antibacterial property: towards multifunctional biomedical membranes. <i>Polymer Chemistry</i> , 2014 , 5, 5906-5919	4.9	67
112	Graphene oxide based heparin-mimicking and hemocompatible polymeric hydrogels for versatile biomedical applications. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 592-602	7.3	67
111	Mussel-Inspired Polymer-Based Universal Spray Coating for Surface Modification: Fast Fabrication of Antibacterial and Superhydrophobic Surface Coatings. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1701254	4.6	64
110	Nanofibrous heparin and heparin-mimicking multilayers as highly effective endothelialization and antithrombogenic coatings. <i>Biomacromolecules</i> , 2015 , 16, 992-1001	6.9	64

109	Metal-Organic-Framework-Engineered Enzyme-Mimetic Catalysts. <i>Advanced Materials</i> , 2020 , 32, e2003065	9.5	64
108	Remarkable pH-sensitivity and anti-fouling property of terpolymer blended polyethersulfone hollow fiber membranes. <i>Journal of Membrane Science</i> , 2011 , 378, 369-381	9.6	60
107	Metal-Organic Framework/Ag-Based Hybrid Nanoagents for Rapid and Synergistic Bacterial Eradication. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 13698-13708	9.5	59
106	Oxygen-evolving catalytic atoms on metal carbides. <i>Nature Materials</i> , 2021 , 20, 1240-1247	27	58
105	Kevlar based nanofibrous particles as robust, effective and recyclable absorbents for water purification. <i>Journal of Hazardous Materials</i> , 2016 , 318, 255-265	12.8	58
104	Light-Triggered Switching of Reversible and Alterable Biofunctionality via Cyclodextrin/Azobenzene-Based Host-Guest Interaction. <i>ACS Macro Letters</i> , 2014 , 3, 1130-1133	6.6	56
103	A porphyrin-PEG polymer with rapid renal clearance. <i>Biomaterials</i> , 2016 , 76, 25-32	15.6	53
102	Aramid nanofiber as an emerging nanofibrous modifier to enhance ultrafiltration and biological performances of polymeric membranes. <i>Journal of Membrane Science</i> , 2017 , 528, 251-263	9.6	52
101	Core-shell-structured MOF-derived 2D hierarchical nanocatalysts with enhanced Fenton-like activities. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 3168-3179	13	52
100	Anticoagulant sodium alginate sulfates and their mussel-inspired heparin-mimetic coatings. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 3203-3215	7.3	51
99	Layer by layer assembly of sulfonic poly(ether sulfone) as heparin-mimicking coatings: scalable fabrication of super-hemocompatible and antibacterial membranes. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 1391-1404	7.3	50
98	Self-assembled 3D biocompatible and bioactive layer at the macro-interface via graphene-based supermolecules. <i>Polymer Chemistry</i> , 2014 , 5, 3563	4.9	49
97	Surface modification of polyethersulfone membranes by blending triblock copolymers of methoxyl poly(ethylene glycol)-polyurethane-methoxyl poly(ethylene glycol). <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 88, 315-24	6	48
96	Blood activation and compatibility on single-molecular-layer biointerfaces. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 4911-4921	7.3	47
95	Catechol chemistry inspired approach to construct self-cross-linked polymer nanolayers as versatile biointerfaces. <i>Langmuir</i> , 2014 , 30, 14905-15	4	47
94	One-pot cross-linked copolymerization for the construction of robust antifouling and antibacterial composite membranes. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 4170-4180	7.3	46
93	Preparation of polyethersulfone-modified sepiolite hybrid particles for the removal of environmental toxins. <i>Chemical Engineering Journal</i> , 2011 , 171, 1132-1142	14.7	46
92	Polyaniline-Coupled Multifunctional 2D Metal Oxide/Hydroxide Graphene Nanohybrids. <i>Angewandte Chemie</i> , 2013 , 125, 12327-12331	3.6	44

91	Recent progresses in graphene based bio-functional nanostructures for advanced biological and cellular interfaces. <i>Nano Today</i> , 2019 , 26, 57-97	17.9	43
90	A Water-Processable and Bioactive Multivalent Graphene Nanoink for Highly Flexible Bioelectronic Films and Nanofibers. <i>Advanced Materials</i> , 2018 , 30, 1705452	24	43
89	Versatile and Rapid Postfunctionalization from Cyclodextrin Modified Host Polymeric Membrane Substrate. <i>Langmuir</i> , 2015 , 31, 9665-74	4	42
88	Inorganic Nanozyme with Combined Self-Oxygenation/Degradable Capabilities for Sensitized Cancer Immunochemotherapy. <i>Nano-Micro Letters</i> , 2019 , 11, 74	19.5	40
87	Graphene oxide interpenetrated polymeric composite hydrogels as highly effective adsorbents for water treatment. <i>RSC Advances</i> , 2014 , 4, 42346-42357	3.7	38
86	High-Antifouling Polymer Brush Coatings on Nonpolar Surfaces via Adsorption-Cross-Linking Strategy. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 44281-44292	9.5	38
85	Augmenting Intrinsic Fenton-Like Activities of MOF-Derived Catalysts via N-Molecule-Assisted Self-catalyzed Carbonization. <i>Nano-Micro Letters</i> , 2019 , 11, 87	19.5	37
84	Graphene oxide and sulfonated polyanion co-doped hydrogel films for dual-layered membranes with superior hemocompatibility and antibacterial activity. <i>Biomaterials Science</i> , 2016 , 4, 1431-40	7.4	37
83	Functionalized 2D nanomaterials with switchable binding to investigate graphene-bacteria interactions. <i>Nanoscale</i> , 2018 , 10, 9525-9537	7.7	37
82	Functionalized graphene sheets for intracellular controlled release of therapeutic agents. <i>Nanoscale</i> , 2017 , 9, 18931-18939	7.7	37
81	Active Salt/Silica-Templated 2D Mesoporous FeCo-Nx-Carbon as Bifunctional Oxygen Electrodes for Zinc-Air Batteries. <i>Angewandte Chemie</i> , 2018 , 130, 1874-1880	3.6	36
80	Toward robust pH-responsive and anti-fouling composite membranes via one-pot in-situ cross-linked copolymerization. <i>Desalination</i> , 2014 , 349, 80-93	10.3	36
79	Toward safe, efficient and multifunctional 3D blood-contact adsorbents engineered by biopolymers/graphene oxide gels. <i>RSC Advances</i> , 2013 , 3, 22120	3.7	36
78	Mussel-inspired coatings on Ag nanoparticle-conjugated carbon nanotubes: bactericidal activity and mammal cell toxicity. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 2749-2756	7.3	34
77	Biocatalytic Nanomaterials: A New Pathway for Bacterial Disinfection. <i>Advanced Materials</i> , 2021 , 33, e2100637	24	34
76	Toward a highly hemocompatible membrane for blood purification via a physical blend of miscible comb-like amphiphilic copolymers. <i>Biomaterials Science</i> , 2014 , 2, 538-547	7.4	33
75	Nanofibrous polymeric beads from aramid fibers for efficient bilirubin removal. <i>Biomaterials Science</i> , 2016 , 4, 1392-401	7.4	33
74	Bioinspired Spiky Peroxidase-Mimics for Localized Bacterial Capture and Synergistic Catalytic Sterilization. <i>Advanced Materials</i> , 2021 , 33, e2005477	24	33

73	Ag-nanogel blended polymeric membranes with antifouling, hemocompatible and bactericidal capabilities. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 9295-9304	7.3	32
72	Activity Trends and Mechanisms in Peroxymonosulfate-Assisted Catalytic Production of Singlet Oxygen over Atomic Metal-N-C Catalysts. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 22513-22521	16.4	32
71	Bioinspired Universal Monolayer Coatings by Combining Concepts from Blood Protein Adsorption and Mussel Adhesion. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 6624-6633	9.5	31
70	Mussel-inspired post-heparinization of a stretchable hollow hydrogel tube and its potential application as an artificial blood vessel. <i>Polymer Chemistry</i> , 2017 , 8, 2266-2275	4.9	31
69	Mussel-Inspired Antibacterial and Biocompatible Silver-Carbon Nanotube Composites: Green and Universal Nanointerfacial Functionalization. <i>Langmuir</i> , 2016 , 32, 5955-65	4	31
68	Improved antifouling and antimicrobial efficiency of ultrafiltration membranes with functional carbon nanotubes. <i>RSC Advances</i> , 2016 , 6, 88265-88276	3.7	30
67	From commodity polymers to functional polymers. <i>Scientific Reports</i> , 2014 , 4, 4604	4.9	29
66	Interfacial Self-Assembly of Heparin-Mimetic Multilayer on Membrane Substrate as Effective Antithrombotic, Endothelialization, and Antibacterial Coating. <i>ACS Biomaterials Science and Engineering</i> , 2015 , 1, 1183-1193	5.5	28
65	Hemocompatible polyethersulfone/polyurethane composite membrane for high-performance antifouling and antithrombotic dialyzer. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2015 , 103, 97-105	3.5	28
64	Transition Metal and Metal-N Codoped MOF-Derived Fenton-Like Catalysts: A Comparative Study on Single Atoms and Nanoparticles. <i>Small</i> , 2020 , 16, e2005060	11	28
63	ZnO/Nanocarbons-Modified Fibrous Scaffolds for Stem Cell-Based Osteogenic Differentiation. <i>Small</i> , 2020 , 16, e2003010	11	28
62	Graphene-based advanced nanoplatforms and biocomposites from environmentally friendly and biomimetic approaches. <i>Green Chemistry</i> , 2019 , 21, 4887-4918	10	27
61	New opportunities for emerging 2D materials in bioelectronics and biosensors. <i>Current Opinion in Biomedical Engineering</i> , 2020 , 13, 32-41	4.4	27
60	Ligand Diffusion Enables Force-Independent Cell Adhesion via Activating β_1 Integrin and Initiating Rac and RhoA Signaling. <i>Advanced Materials</i> , 2020 , 32, e2002566	24	26
59	Modification of polyethersulfone membranes using terpolymers engineered and integrated antifouling and anticoagulant properties. <i>Polymers for Advanced Technologies</i> , 2013 , 24, 1040-1050	3.2	26
58	Pd-Single-Atom Coordinated Biocatalysts for Chem-/Sono-/Photo-Trimodal Tumor Therapies. <i>Advanced Materials</i> , 2021 , 33, e2101095	24	25
57	Thermally Responsive Microfibers Mediated Stem Cell Fate via Reversibly Dynamic Mechanical Stimulation. <i>Advanced Functional Materials</i> , 2018 , 28, 1804773	15.6	25
56	Robust, highly elastic and bioactive heparin-mimetic hydrogels. <i>Polymer Chemistry</i> , 2015 , 6, 7893-7901	4.9	24

55	Graphene oxide linked sulfonate-based polyanionic nanogels as biocompatible, robust and versatile modifiers of ultrafiltration membranes. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 6143-6153	7.3	24
54	Spiky Nanostructures with Geometry-matching Topography for Virus Inhibition. <i>Nano Letters</i> , 2020 , 20, 5367-5375	11.5	23
53	Switching biological functionalities of biointerfaces via dynamic covalent bonds. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 694-703	7.3	21
52	Metal-Organic-Framework-Derived Nanostructures as Multifaceted Electrodes in Metal-Sulfur Batteries. <i>Advanced Materials</i> , 2021 , 33, e2008784	24	21
51	Engineering Biofunctional Enzyme-Mimics for Catalytic Therapeutics and Diagnostics. <i>Advanced Functional Materials</i> , 2021 , 31, 2007475	15.6	21
50	Comparison of pH-sensitivity between two copolymer modified polyethersulfone hollow fiber membranes. <i>Desalination</i> , 2011 , 280, 152-159	10.3	19
49	Hedgehog artificial macrophage with atomic-catalytic centers to combat Drug-resistant bacteria. <i>Nature Communications</i> , 2021 , 12, 6143	17.4	19
48	A multivalent polyanion-dispersed carbon nanotube toward highly bioactive nanostructured fibrous stem cell scaffolds. <i>Applied Materials Today</i> , 2019 , 16, 518-528	6.6	18
47	Ultrasound-targeted microbubble destruction augmented synergistic therapy of rheumatoid arthritis via targeted liposomes. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 5245-5256	7.3	18
46	Insights into the surface property and blood compatibility of polyethersulfone/polyvinylpyrrolidone composite membranes: toward high-performance hemodialyzer. <i>Polymers for Advanced Technologies</i> , 2014 , 25, 851-860	3.2	18
45	Surface modification of polyethersulfone membrane by grafting bovine serum albumin. <i>Fibers and Polymers</i> , 2010 , 11, 960-966	2	18
44	Construction of microgels embedded robust ultrafiltration membranes for highly effective bioadhesion resistance. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 139, 199-210	6	17
43	Comparison of surface segregation and anticoagulant property in block copolymer blended evaporation and phase inversion membranes. <i>Surface and Interface Analysis</i> , 2012 , 44, 819-824	1.5	17
42	Topology-Matching Design of an Influenza-Neutralizing Spiky Nanoparticle-Based Inhibitor with a Dual Mode of Action. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 15532-15536	16.4	16
41	Biocatalytic and Antioxidant Nanostructures for ROS Scavenging and Biotherapeutics. <i>Advanced Functional Materials</i> , 2021 , 31, 2101804	15.6	16
40	Dynamic Covalent Bond-Assisted Anchor of PEG Brushes on Cationic Surfaces with Antibacterial and Antithrombotic Dual Capabilities. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1500473	4.6	16
39	ROS-Catalytic Transition-Metal-Based Enzymatic Nanoagents for Tumor and Bacterial Eradication. <i>Advanced Functional Materials</i> , 2107530	15.6	16
38	Highly swellable and biocompatible graphene/heparin-analogue hydrogels for implantable drug and protein delivery. <i>RSC Advances</i> , 2016 , 6, 71893-71904	3.7	14

37	Ultrasound-triggered perfluorocarbon-derived nanobombs for targeted therapies of rheumatoid arthritis. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 4581-4591	7.3	13
36	Heteromultivalent topology-matched nanostructures as potent and broad-spectrum influenza A virus inhibitors. <i>Science Advances</i> , 2021 , 7,	14.3	13
35	Construction of Kevlar nanofiber/graphene oxide composite beads as safe, self-anticoagulant, and highly efficient hemoperfusion adsorbents. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 1960-1970	7.3	11
34	Recent Advances in ZIF-Derived Atomic Metal-N-C Electrocatalysts for Oxygen Reduction Reaction: Synthetic Strategies, Active Centers, and Stabilities.. <i>Small</i> , 2022 , e2105409	11	8
33	Emerging 2D Materials for Electrocatalytic Applications: Synthesis, Multifaceted Nanostructures, and Catalytic Center Design.. <i>Small</i> , 2022 , e2105831	11	8
32	Polysulfide Catalytic Materials for Fast-Kinetic Metal-Sulfur Batteries: Principles and Active Centers. <i>Advanced Science</i> , 2021 , 9, e2102217	13.6	7
31	A Nanohook-Equipped Bionanocatalyst for Localized Near-Infrared-Enhanced Catalytic Bacterial Disinfection. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	7
30	Synthesis, characterization, and application of polyethersulfone bound-iminodiacetic acid. <i>Journal of Applied Polymer Science</i> , 2011 , 120, 345-350	2.9	6
29	Interfacial Atom-Substitution Engineered Transition-Metal Hydroxide Nanofibers with High-Valence Fe for Efficient Electrochemical Water Oxidation.. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	6
28	A Library of ROS-Catalytic Metalloenzyme-Mimics with Atomic Metal Centers.. <i>Advanced Materials</i> , 2022 , e2200255	24	6
27	Cobalt-Based Double Catalytic Sites on Mesoporous Carbon as Reversible Polysulfide Catalysts for Fast-Kinetic Li-S Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 51174-51185	9.5	6
26	Homology and Immune Checkpoint Dual-Targeted Sonocatalytic Nanoagents for Enhancing Sonodynamic Tumor Therapy. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 32810-32822	9.5	6
25	Superhydrophilic and polyporous nanofibrous membrane with excellent photocatalytic activity and recyclability for wastewater remediation under visible light irradiation. <i>Chemical Engineering Journal</i> , 2022 , 427, 131685	14.7	6
24	Modulating Electron Transfer in Vanadium-Based Artificial Enzymes for Enhanced ROS-Catalysis and Disinfection.. <i>Advanced Materials</i> , 2022 , e2108646	24	5
23	Assembling and Regulating of Transition Metal-Based Heterophase Vanadates as Efficient Oxygen Evolution Catalysts. <i>Small</i> , 2021 , e2105763	11	5
22	Spiky nanostructures for virus inhibition and infection prevention. <i>Smart Materials in Medicine</i> , 2020 , 1, 48-53	12.9	4
21	Graph theoretical design of biomimetic aramid nanofiber composites as insulation coatings for implantable bioelectronics. <i>MRS Bulletin</i> , 2021 , 46, 576-587	3.2	4
20	Multivalent Polyanionic 2D Nanosheets Functionalized Nanofibrous Stem Cell-based Neural Scaffolds. <i>Advanced Functional Materials</i> , 2021 , 31, 2010145	15.6	4

19	Conjugated Coordination Porphyrin-based Nanozymes for Photo-/Sono-Augmented Biocatalytic and Homologous Tumor Treatments. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 41485-41497	9.5	4
18	Anchoring Fe-N-C Sites on Hierarchically Porous Carbon Sphere and CNT Interpenetrated Nanostructures as Efficient Cathodes for Zinc-Air Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 41609-41618	9.5	4
17	Synthesis and Electronic Modulation of Nanostructured Layered Double Hydroxides for Efficient Electrochemical Oxygen Evolution. <i>ChemSusChem</i> , 2021 , 14, 5112-5134	8.3	4
16	Super-tough poly (l-lactide) materials: Reactive blending with maleic anhydride grafted starch and poly (ethylene glycol) diacrylate. <i>International Journal of Biological Macromolecules</i> , 2019 , 136, 1069-1075	7.9	3
15	Ladder-type π -conjugated metallophthalocyanine covalent organic frameworks with boosted oxygen reduction reaction activity and durability for zinc-air batteries. <i>Chemical Engineering Journal</i> , 2021 , 435, 133872	14.7	3
14	A Nanohook-Equipped Bionanocatalyst for Localized Near-Infrared-Enhanced Catalytic Bacterial Disinfection. <i>Angewandte Chemie</i> , 2021 , 133, 22687-22695	3.6	3
13	Antibacterial Nanoagents: Nonchemotherapeutic and Robust Dual-Responsive Nanoagents with On-Demand Bacterial Trapping, Ablation, and Release for Efficient Wound Disinfection (Adv. Funct. Mater. 21/2018). <i>Advanced Functional Materials</i> , 2018 , 28, 1870145	15.6	3
12	A review of surface-enhanced Raman spectroscopy in pathological processes. <i>Analytica Chimica Acta</i> , 2021 , 1187, 338978	6.6	3
11	Activity Trends and Mechanisms in Peroxymonosulfate-Assisted Catalytic Production of Singlet Oxygen over Atomic Metal-N-C Catalysts. <i>Angewandte Chemie</i> , 2021 , 133, 22687-22695	3.6	3
10	Graphene Nanoinks: A Water-Processable and Bioactive Multivalent Graphene Nanoink for Highly Flexible Bioelectronic Films and Nanofibers (Adv. Mater. 5/2018). <i>Advanced Materials</i> , 2018 , 30, 1870030	24	2
9	Mg-Air Batteries: Atomic Fe-Nx Coupled Open-Mesoporous Carbon Nanofibers for Efficient and Bioadaptable Oxygen Electrode in Mg-Air Batteries (Adv. Mater. 40/2018). <i>Advanced Materials</i> , 2018 , 30, 1870303	24	2
8	Structures, properties, and challenges of emerging 2D materials in bioelectronics and biosensors. <i>Information Materials</i> , 2021 , 21, 2100001	23.1	2
7	High-Valence Transition Metal Modified Fe-Ni-V Oxides Anchored on Carbon Fiber Cloth for Efficient Oxygen Evolution Catalysis. <i>Advanced Fiber Materials</i> , 2021 , 1, 1-10	10.9	2
6	A Library of ROS-Catalytic Metalloenzyme Mimics with Atomic Metal Centers (Adv. Mater. 16/2022). <i>Advanced Materials</i> , 2022 , 34, 2270120	24	2
5	Micro/Nano-Scaled Covalent Organic Frameworks: Polymerization, Crystallization and Self-Assembly. <i>ChemNanoMat</i> , 2021 , 7, 2100001	3.5	0
4	ROS Scavenging: Biocatalytic and Antioxidant Nanostructures for ROS Scavenging and Biotherapeutics (Adv. Funct. Mater. 31/2021). <i>Advanced Functional Materials</i> , 2021 , 31, 2170226	15.6	0
3	Modulating Electron Transfer in Vanadium-Based Artificial Enzymes for Enhanced ROS-Catalysis and Disinfection (Adv. Mater. 17/2022). <i>Advanced Materials</i> , 2022 , 34, 2270128	24	0
2	Advanced nanomaterials for efficient oxygen electrodes in metal-air batteries 2020 , 191-222		

- 1 Tumor Therapy: Pd-Single-Atom Coordinated Biocatalysts for Chem-/Sono-/Photo-Trimodal Tumor Therapies (Adv. Mater. 29/2021). *Advanced Materials*, **2021**, 33, 2170227 24