Chong Cheng

List of Publications by Year in Descending Order

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	Recent Advances in ZIF-Derived Atomic Metal-N-C Electrocatalysts for Oxygen Reduction Reaction: Synthetic Strategies, Active Centers, and Stabilities.. *Small*, **2022**, e2105409	11	8
143	Emerging 2D Materials for Electrocatalytic Applications: Synthesis, Multifaceted Nanostructures, and Catalytic Center Design.. *Small*, **2022**, e2105831	11	8
142	A Library of ROS-Catalytic Metalloenzyme-Mimics with Atomic Metal Centers.. *Advanced Materials*, **2022**, e2200255	24	6
141	Superhydrophilic and polyporous nanofibrous membrane with excellent photocatalytic activity and recyclability for wastewater remediation under visible light irradiation. *Chemical Engineering Journal*, **2022**, 427, 131685	14.7	6
140	Modulating Electron Transfer in Vanadium-Based Artificial Enzymes for Enhanced ROS-Catalysis and Disinfection.. *Advanced Materials*, **2022**, e2108646	24	5
139	A Library of ROS-Catalytic Metalloenzyme Mimics with Atomic Metal Centers (Adv. Mater. 16/2022). *Advanced Materials*, **2022**, 34, 2270120	24	2
138	Modulating Electron Transfer in Vanadium-Based Artificial Enzymes for Enhanced ROS-Catalysis and Disinfection (Adv. Mater. 17/2022). *Advanced Materials*, **2022**, 34, 2270128	24	0
137	Interfacial Atom-Substitution Engineered Transition-Metal Hydroxide Nanofibers with High-Valence Fe for Efficient Electrochemical Water Oxidation.. *Angewandte Chemie - International Edition*, **2021**,	16.4	6
136	Ladder-type π-conjugated metallophthalocyanine covalent organic frameworks with boosted oxygen reduction reaction activity and durability for zinc-air batteries. *Chemical Engineering Journal*, **2021**, 435, 133872	14.7	3
135	Polysulfide Catalytic Materials for Fast-Kinetic Metal-Sulfur Batteries: Principles and Active Centers. *Advanced Science*, **2021**, 9, e2102217	13.6	7
134	A Nanohook-Equipped Bionanocatalyst for Localized Near-Infrared-Enhanced Catalytic Bacterial Disinfection. *Angewandte Chemie - International Edition*, **2021**,	16.4	7
133	Cobalt-Based Double Catalytic Sites on Mesoporous Carbon as Reversible Polysulfide Catalysts for Fast-Kinetic Li-S Batteries. *ACS Applied Materials & Interfaces*, **2021**, 13, 51174-51185	9.5	6
132	Hedgehog artificial macrophage with atomic-catalytic centers to combat Drug-resistant bacteria. *Nature Communications*, **2021**, 12, 6143	17.4	19
131	Designing MOF Nanoarchitectures for Electrochemical Water Splitting. *Advanced Materials*, **2021**, 33, e2006042	24	76
130	Graph theoretical design of biomimetic aramid nanofiber composites as insulation coatings for implantable bioelectronics. *MRS Bulletin*, **2021**, 46, 576-587	3.2	4
129	Biocatalytic and Antioxidant Nanostructures for ROS Scavenging and Biotherapeutics. *Advanced Functional Materials*, **2021**, 31, 2101804	15.6	16
128	Metal-Organic-Framework-Derived Nanostructures as Multifaceted Electrodes in Metal-Sulfur Batteries. *Advanced Materials*, **2021**, 33, e2008784	24	21

127	Oxygen-evolving catalytic atoms on metal carbides. *Nature Materials*, **2021**, 20, 1240-1247	27	58
126	Pd-Single-Atom Coordinated Biocatalysts for Chem-/Sono-/Photo-Trimodal Tumor Therapies. *Advanced Materials*, **2021**, 33, e2101095	24	25
125	Homology and Immune Checkpoint Dual-Targeted Sonocatalytic Nanoagents for Enhancing Sonodynamic Tumor Therapy. *ACS Applied Materials & Interfaces*, **2021**, 13, 32810-32822	9.5	6
124	Biocatalytic Nanomaterials: A New Pathway for Bacterial Disinfection. *Advanced Materials*, **2021**, 33, e2100637	24	34
123	Tumor Therapy: Pd-Single-Atom Coordinated Biocatalysts for Chem-/Sono-/Photo-Trimodal Tumor Therapies (Adv. Mater. 29/2021). *Advanced Materials*, **2021**, 33, 2170227	24	
122	Engineering Biofunctional Enzyme-Mimics for Catalytic Therapeutics and Diagnostics. *Advanced Functional Materials*, **2021**, 31, 2007475	15.6	21
121	Heteromultivalent topology-matched nanostructures as potent and broad-spectrum influenza A virus inhibitors. *Science Advances*, **2021**, 7,	14.3	13
120	Multivalent Polyanionic 2D Nanosheets Functionalized Nanofibrous Stem Cell-based Neural Scaffolds. *Advanced Functional Materials*, **2021**, 31, 2010145	15.6	4
119	Conjugated Coordination Porphyrin-based Nanozymes for Photo-/Sono-Augmented Biocatalytic and Homologous Tumor Treatments. *ACS Applied Materials & Interfaces*, **2021**, 13, 41485-41497	9.5	4
118	A review of surface-enhanced Raman spectroscopy in pathological processes. *Analytica Chimica Acta*, **2021**, 1187, 338978	6.6	3
117	Ros Scavenging: Biocatalytic and Antioxidant Nanostructures for ROS Scavenging and Biotherapeutics (Adv. Funct. Mater. 31/2021). *Advanced Functional Materials*, **2021**, 31, 2170226	15.6	0
116	Anchoring Fe-N-C Sites on Hierarchically Porous Carbon Sphere and CNT Interpenetrated Nanostructures as Efficient Cathodes for Zinc-Air Batteries. *ACS Applied Materials & Interfaces*, **2021**, 13, 41609-41618	9.5	4
115	Synthesis and Electronic Modulation of Nanostructured Layered Double Hydroxides for Efficient Electrochemical Oxygen Evolution. *ChemSusChem*, **2021**, 14, 5112-5134	8.3	4
114	Activity Trends and Mechanisms in Peroxymonosulfate-Assisted Catalytic Production of Singlet Oxygen over Atomic Metal-N-C Catalysts. *Angewandte Chemie*, **2021**, 133, 22687-22695	3.6	3
113	Activity Trends and Mechanisms in Peroxymonosulfate-Assisted Catalytic Production of Singlet Oxygen over Atomic Metal-N-C Catalysts. *Angewandte Chemie - International Edition*, **2021**, 60, 22513-22521	16.4	32
112	Bioinspired Spiky Peroxidase-Mimics for Localized Bacterial Capture and Synergistic Catalytic Sterilization. *Advanced Materials*, **2021**, 33, e2005477	24	33
111	Assembling and Regulating of Transition Metal-Based Heterophase Vanadates as Efficient Oxygen Evolution Catalysts. *Small*, **2021**, e2105763	11	5
110	Topology-Matching Design of an Influenza-Neutralizing Spiky Nanoparticle-Based Inhibitor with a Dual Mode of Action. *Angewandte Chemie - International Edition*, **2020**, 59, 15532-15536	16.4	16

109	Ultrasound-targeted microbubble destruction augmented synergistic therapy of rheumatoid arthritis via targeted liposomes. *Journal of Materials Chemistry B*, **2020**, 8, 5245-5256	7.3	18
108	Ligand Diffusion Enables Force-Independent Cell Adhesion via Activating 51 Integrin and Initiating Rac and RhoA Signaling. *Advanced Materials*, **2020**, 32, e2002566	24	26
107	Spiky Nanostructures with Geometry-matching Topography for Virus Inhibition. *Nano Letters*, **2020**, 20, 5367-5375	11.5	23
106	Metal-Organic Framework/Ag-Based Hybrid Nanoagents for Rapid and Synergistic Bacterial Eradication. *ACS Applied Materials & Interfaces*, **2020**, 12, 13698-13708	9.5	59
105	Construction of Kevlar nanofiber/graphene oxide composite beads as safe, self-anticoagulant, and highly efficient hemoperfusion adsorbents. *Journal of Materials Chemistry B*, **2020**, 8, 1960-1970	7.3	11
104	Advanced nanomaterials for efficient oxygen electrodes in metalair batteries **2020**, 191-222		
103	Coreshell-structured MOF-derived 2D hierarchical nanocatalysts with enhanced Fenton-like activities. *Journal of Materials Chemistry A*, **2020**, 8, 3168-3179	13	52
102	Spiky nanostructures for virus inhibition and infection prevention. *Smart Materials in Medicine*, **2020**, 1, 48-53	12.9	4
101	Transition Metal and Metal-N Codoped MOF-Derived Fenton-Like Catalysts: A Comparative Study on Single Atoms and Nanoparticles. *Small*, **2020**, 16, e2005060	11	28
100	Metal-Organic-Framework-Engineered Enzyme-Mimetic Catalysts. *Advanced Materials*, **2020**, 32, e2003065	24	64
99	ZnO/Nanocarbons-Modified Fibrous Scaffolds for Stem Cell-Based Osteogenic Differentiation. *Small*, **2020**, 16, e2003010	11	28
98	New opportunities for emerging 2D materials in bioelectronics and biosensors. *Current Opinion in Biomedical Engineering*, **2020**, 13, 32-41	4.4	27
97	Augmenting Intrinsic Fenton-Like Activities of MOF-Derived Catalysts via N-Molecule-Assisted Self-catalyzed Carbonization. *Nano-Micro Letters*, **2019**, 11, 87	19.5	37
96	Inorganic Nanozyme with Combined Self-Oxygenation/Degradable Capabilities for Sensitized Cancer Immunochemotherapy. *Nano-Micro Letters*, **2019**, 11, 74	19.5	40
95	A multivalent polyanion-dispersed carbon nanotube toward highly bioactive nanostructured fibrous stem cell scaffolds. *Applied Materials Today*, **2019**, 16, 518-528	6.6	18
94	Size-Transformable MetalOrganic FrameworkDerived Nanocarbons for Localized Chemo-Photothermal Bacterial Ablation and Wound Disinfection. *Advanced Functional Materials*, **2019**, 29, 1900143	15.6	70
93	Ultrasound-triggered perfluorocarbon-derived nanobombs for targeted therapies of rheumatoid arthritis. *Journal of Materials Chemistry B*, **2019**, 7, 4581-4591	7.3	13
92	Super-tough poly (l-lactide) materials: Reactive blending with maleic anhydride grafted starch and poly (ethylene glycol) diacrylate. *International Journal of Biological Macromolecules*, **2019**, 136, 1069-1075	7.9	3

91	Metal-Organic-Framework-Derived 2D Carbon Nanosheets for Localized Multiple Bacterial Eradication and Augmented Anti-infective Therapy. *Nano Letters*, **2019**, 19, 5885-5896	11.5	90
90	Recent progresses in graphene based bio-functional nanostructures for advanced biological and cellular interfaces. *Nano Today*, **2019**, 26, 57-97	17.9	43
89	Graphene-based advanced nanoplatforms and biocomposites from environmentally friendly and biomimetic approaches. *Green Chemistry*, **2019**, 21, 4887-4918	10	27
88	Metal-Organic Precursor□Derived Mesoporous Carbon Spheres with Homogeneously Distributed Molybdenum Carbide/Nitride Nanoparticles for Efficient Hydrogen Evolution in Alkaline Media. *Advanced Functional Materials*, **2019**, 29, 1807419	15.6	68
87	In-Plane Carbon Lattice-Defect Regulating Electrochemical Oxygen Reduction to Hydrogen Peroxide Production over Nitrogen-Doped Graphene. *ACS Catalysis*, **2019**, 9, 1283-1288	13.1	128
86	Graphene Nanoinks: A Water-Processable and Bioactive Multivalent Graphene Nanoink for Highly Flexible Bioelectronic Films and Nanofibers (Adv. Mater. 5/2018). *Advanced Materials*, **2018**, 30, 1870030	24	2
85	Active Salt/Silica-Templated 2D Mesoporous FeCo-N -Carbon as Bifunctional Oxygen Electrodes for Zinc-Air Batteries. *Angewandte Chemie - International Edition*, **2018**, 57, 1856-1862	16.4	267
84	Active Salt/Silica-Templated 2D Mesoporous FeCo-Nx-Carbon as Bifunctional Oxygen Electrodes for Zinc□Air Batteries. *Angewandte Chemie*, **2018**, 130, 1874-1880	3.6	36
83	Mussel-Inspired Polymer-Based Universal Spray Coating for Surface Modification: Fast Fabrication of Antibacterial and Superhydrophobic Surface Coatings. *Advanced Materials Interfaces*, **2018**, 5, 1701254	4.6	64
82	Atomic Fe-N Coupled Open-Mesoporous Carbon Nanofibers for Efficient and Bioadaptable Oxygen Electrode in Mg-Air Batteries. *Advanced Materials*, **2018**, 30, e1802669	24	95
81	Nonchemotherapic and Robust Dual-Responsive Nanoagents with On-Demand Bacterial Trapping, Ablation, and Release for Efficient Wound Disinfection. *Advanced Functional Materials*, **2018**, 28, 1705708	15.6	92
80	Functionalized 2D nanomaterials with switchable binding to investigate graphene-bacteria interactions. *Nanoscale*, **2018**, 10, 9525-9537	7.7	37
79	A Water-Processable and Bioactive Multivalent Graphene Nanoink for Highly Flexible Bioelectronic Films and Nanofibers. *Advanced Materials*, **2018**, 30, 1705452	24	43
78	Mussel-Inspired Synthesis of NIR-Responsive and Biocompatible Ag-Graphene 2D Nanoagents for Versatile Bacterial Disinfections. *ACS Applied Materials & Interfaces*, **2018**, 10, 296-307	9.5	70
77	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). *Advanced Materials*, **2018**, 30, 1870303	24	2
76	Thermally Responsive Microfibers Mediated Stem Cell Fate via Reversibly Dynamic Mechanical Stimulation. *Advanced Functional Materials*, **2018**, 28, 1804773	15.6	25
75	Antibacterial Nanoagents: Nonchemotherapic and Robust Dual-Responsive Nanoagents with On-Demand Bacterial Trapping, Ablation, and Release for Efficient Wound Disinfection (Adv. Funct. Mater. 21/2018). *Advanced Functional Materials*, **2018**, 28, 1870145	15.6	3
74	Bioinspired and biocompatible carbon nanotube-Ag nanohybrid coatings for robust antibacterial applications. *Acta Biomaterialia*, **2017**, 51, 479-494	10.8	71

73	Functional Graphene Nanomaterials Based Architectures: Biointeractions, Fabrications, and Emerging Biological Applications. *Chemical Reviews*, **2017**, 117, 1826-1914	68.1	333
72	Aramid nanofiber as an emerging nanofibrous modifier to enhance ultrafiltration and biological performances of polymeric membranes. *Journal of Membrane Science*, **2017**, 528, 251-263	9.6	52
71	Bioinspired Universal Monolayer Coatings by Combining Concepts from Blood Protein Adsorption and Mussel Adhesion. *ACS Applied Materials & Interfaces*, **2017**, 9, 6624-6633	9.5	31
70	2D Porous Carbons prepared from Layered Organic-Inorganic Hybrids and their Use as Oxygen-Reduction Electrocatalysts. *Advanced Materials*, **2017**, 29, 1700707	24	95
69	Mussel-inspired post-heparinization of a stretchable hollow hydrogel tube and its potential application as an artificial blood vessel. *Polymer Chemistry*, **2017**, 8, 2266-2275	4.9	31
68	Carbon-Based Microbial-Fuel-Cell Electrodes: From Conductive Supports to Active Catalysts. *Advanced Materials*, **2017**, 29, 1602547	24	182
67	High-Antifouling Polymer Brush Coatings on Nonpolar Surfaces via Adsorption-Cross-Linking Strategy. *ACS Applied Materials & Interfaces*, **2017**, 9, 44281-44292	9.5	38
66	Functionalized graphene sheets for intracellular controlled release of therapeutic agents. *Nanoscale*, **2017**, 9, 18931-18939	7.7	37
65	Graphene oxide linked sulfonate-based polyanionic nanogels as biocompatible, robust and versatile modifiers of ultrafiltration membranes. *Journal of Materials Chemistry B*, **2016**, 4, 6143-6153	7.3	24
64	Improved antifouling and antimicrobial efficiency of ultrafiltration membranes with functional carbon nanotubes. *RSC Advances*, **2016**, 6, 88265-88276	3.7	30
63	Graphene oxide and sulfonated polyanion co-doped hydrogel films for dual-layered membranes with superior hemocompatibility and antibacterial activity. *Biomaterials Science*, **2016**, 4, 1431-40	7.4	37
62	Highly swellable and biocompatible graphene/heparin-analogue hydrogels for implantable drug and protein delivery. *RSC Advances*, **2016**, 6, 71893-71904	3.7	14
61	Anticoagulant sodium alginate sulfates and their mussel-inspired heparin-mimetic coatings. *Journal of Materials Chemistry B*, **2016**, 4, 3203-3215	7.3	51
60	Mussel-inspired coatings on Ag nanoparticle-conjugated carbon nanotubes: bactericidal activity and mammal cell toxicity. *Journal of Materials Chemistry B*, **2016**, 4, 2749-2756	7.3	34
59	Switching biological functionalities of biointerfaces via dynamic covalent bonds. *Journal of Materials Chemistry B*, **2016**, 4, 694-703	7.3	21
58	Construction of microgels embedded robust ultrafiltration membranes for highly effective bioadhesion resistance. *Colloids and Surfaces B: Biointerfaces*, **2016**, 139, 199-210	6	17
57	A porphyrin-PEG polymer with rapid renal clearance. *Biomaterials*, **2016**, 76, 25-32	15.6	53
56	Dynamic Covalent Bond-Assisted Anchor of PEG Brushes on Cationic Surfaces with Antibacterial and Antithrombotic Dual Capabilities. *Advanced Materials Interfaces*, **2016**, 3, 1500473	4.6	16

55	Kevlar based nanofibrous particles as robust, effective and recyclable absorbents for water purification. *Journal of Hazardous Materials*, **2016**, 318, 255-265	12.8	58
54	Mussel-Inspired Antibacterial and Biocompatible Silver-Carbon Nanotube Composites: Green and Universal Nanointerfacial Functionalization. *Langmuir*, **2016**, 32, 5955-65	4	31
53	Nanofibrous polymeric beads from aramid fibers for efficient bilirubin removal. *Biomaterials Science*, **2016**, 4, 1392-401	7.4	33
52	One-pot cross-linked copolymerization for the construction of robust antifouling and antibacterial composite membranes. *Journal of Materials Chemistry B*, **2015**, 3, 4170-4180	7.3	46
51	Robust, highly elastic and bioactive heparin-mimetic hydrogels. *Polymer Chemistry*, **2015**, 6, 7893-7901	4.9	24
50	Interfacial Self-Assembly of Heparin-Mimetic Multilayer on Membrane Substrate as Effective Antithrombotic, Endothelialization, and Antibacterial Coating. *ACS Biomaterials Science and Engineering*, **2015**, 1, 1183-1193	5.5	28
49	Versatile and Rapid Postfunctionalization from Cyclodextrin Modified Host Polymeric Membrane Substrate. *Langmuir*, **2015**, 31, 9665-74	4	42
48	Substrate-Independent Robust and Heparin-Mimetic Hydrogel Thin Film Coating via Combined LbL Self-Assembly and Mussel-Inspired Post-Cross-linking. *ACS Applied Materials & Interfaces*, **2015**, 7, 26050-62	9.5	70
47	Layer by layer assembly of sulfonic poly(ether sulfone) as heparin-mimicking coatings: scalable fabrication of super-hemocompatible and antibacterial membranes. *Journal of Materials Chemistry B*, **2015**, 3, 1391-1404	7.3	50
46	Novel heparin-mimicking polymer brush grafted carbon nanotube/PES composite membranes for safe and efficient blood purification. *Journal of Membrane Science*, **2015**, 475, 455-468	9.6	114
45	A degradable brush polymer□drug conjugate for pH-responsive release of doxorubicin. *Polymer Chemistry*, **2015**, 6, 953-961	4.9	73
44	Hemocompatible polyethersulfone/polyurethane composite membrane for high-performance antifouling and antithrombotic dialyzer. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2015**, 103, 97-105	3.5	28
43	Ag-nanogel blended polymeric membranes with antifouling, hemocompatible and bactericidal capabilities. *Journal of Materials Chemistry B*, **2015**, 3, 9295-9304	7.3	32
42	Graphene oxide based heparin-mimicking and hemocompatible polymeric hydrogels for versatile biomedical applications. *Journal of Materials Chemistry B*, **2015**, 3, 592-602	7.3	67
41	Nanofibrous heparin and heparin-mimicking multilayers as highly effective endothelialization and antithrombogenic coatings. *Biomacromolecules*, **2015**, 16, 992-1001	6.9	64
40	From commodity polymers to functional polymers. *Scientific Reports*, **2014**, 4, 4604	4.9	29
39	Mussel-inspired self-coating at macro-interface with improved biocompatibility and bioactivity via dopamine grafted heparin-like polymers and heparin. *Journal of Materials Chemistry B*, **2014**, 2, 363-375	7.3	149
38	Light-Triggered Switching of Reversible and Alterable Biofunctionality via □Cyclodextrin/Azobenzene-Based Host□Guest Interaction. *ACS Macro Letters*, **2014**, 3, 1130-1133	6.6	56

37	Toward a highly hemocompatible membrane for blood purification via a physical blend of miscible comb-like amphiphilic copolymers. *Biomaterials Science*, **2014**, 2, 538-547	7.4	33
36	Heparin-mimicking multilayer coating on polymeric membrane via LbL assembly of cyclodextrin-based supramolecules. *ACS Applied Materials & Interfaces*, **2014**, 6, 21603-14	9.5	68
35	Surface-engineered nanogel assemblies with integrated blood compatibility, cell proliferation and antibacterial property: towards multifunctional biomedical membranes. *Polymer Chemistry*, **2014**, 5, 5908-5919	4.9	67
34	Self-assembled 3D biocompatible and bioactive layer at the macro-interface via graphene-based supermolecules. *Polymer Chemistry*, **2014**, 5, 3563	4.9	49
33	Graphene oxide interpenetrated polymeric composite hydrogels as highly effective adsorbents for water treatment. *RSC Advances*, **2014**, 4, 42346-42357	3.7	38
32	High efficient protocol for the modification of polyethersulfone membranes with anticoagulant and antifouling properties via in situ cross-linked copolymerization. *Journal of Membrane Science*, **2014**, 468, 172-183	9.6	80
31	Toward highly blood compatible hemodialysis membranes via blending with heparin-mimicking polyurethane: Study in vitro and in vivo. *Journal of Membrane Science*, **2014**, 470, 90-101	9.6	71
30	Toward robust pH-responsive and anti-fouling composite membranes via one-pot in-situ cross-linked copolymerization. *Desalination*, **2014**, 349, 80-93	10.3	36
29	Blood activation and compatibility on single-molecular-layer biointerfaces. *Journal of Materials Chemistry B*, **2014**, 2, 4911-4921	7.3	47
28	Progress in heparin and heparin-like/mimicking polymer-functionalized biomedical membranes. *Journal of Materials Chemistry B*, **2014**, 2, 7649-7672	7.3	127
27	Insights into the surface property and blood compatibility of polyethersulfone/polyvinylpyrrolidone composite membranes: toward high-performance hemodialyzer. *Polymers for Advanced Technologies*, **2014**, 25, 851-860	3.2	18
26	Catechol chemistry inspired approach to construct self-cross-linked polymer nanolayers as versatile biointerfaces. *Langmuir*, **2014**, 30, 14905-15	4	47
25	Biologically inspired membrane design with a heparin-like interface: prolonged blood coagulation, inhibited complement activation, and bio-artificial liver related cell proliferation. *Biomaterials Science*, **2014**, 2, 98-109	7.4	72
24	Toward 3D graphene oxide gels based adsorbents for high-efficient water treatment via the promotion of biopolymers. *Journal of Hazardous Materials*, **2013**, 263 Pt 2, 467-78	12.8	159
23	Polyaniline-coupled multifunctional 2D metal oxide/hydroxide graphene nanohybrids. *Angewandte Chemie - International Edition*, **2013**, 52, 12105-9	16.4	105
22	Biopolymer functionalized reduced graphene oxide with enhanced biocompatibility via mussel inspired coatings/anchors. *Journal of Materials Chemistry B*, **2013**, 1, 265-275	7.3	213
21	Biomimetic assembly of polydopamine-layer on graphene: Mechanisms, versatile 2D and 3D architectures and pollutant disposal. *Chemical Engineering Journal*, **2013**, 228, 468-481	14.7	127
20	Polyethersulfone enwrapped graphene oxide porous particles for water treatment. *Chemical Engineering Journal*, **2013**, 215-216, 72-81	14.7	98

19	Polyaniline-Coupled Multifunctional 2D Metal Oxide/Hydroxide Graphene Nanohybrids. *Angewandte Chemie*, **2013**, 125, 12327-12331	3.6	44
18	Toward safe, efficient and multifunctional 3D blood-contact adsorbents engineered by biopolymers/graphene oxide gels. *RSC Advances*, **2013**, 3, 22120	3.7	36
17	Modification of polyethersulfone membranes using terpolymers engineered and integrated antifouling and anticoagulant properties. *Polymers for Advanced Technologies*, **2013**, 24, 1040-1050	3.2	26
16	Modification of polyethersulfone hemodialysis membrane by blending citric acid grafted polyurethane and its anticoagulant activity. *Journal of Membrane Science*, **2012**, 405-406, 261-274	9.6	118
15	General and biomimetic approach to biopolymer-functionalized graphene oxide nanosheet through adhesive dopamine. *Biomacromolecules*, **2012**, 13, 4236-46	6.9	127
14	Two-dimensional carbon-coated graphene/metal oxide hybrids for enhanced lithium storage. *ACS Nano*, **2012**, 6, 8349-56	16.7	378
13	The hydrodynamic permeability and surface property of polyethersulfone ultrafiltration membranes with mussel-inspired polydopamine coatings. *Journal of Membrane Science*, **2012**, 417-418, 228-236	9.6	223
12	Comparison of surface segregation and anticoagulant property in block copolymer blended evaporation and phase inversion membranes. *Surface and Interface Analysis*, **2012**, 44, 819-824	1.5	17
11	Surface modification of polyethersulfone membranes by blending triblock copolymers of methoxyl poly(ethylene glycol)-polyurethane-methoxyl poly(ethylene glycol). *Colloids and Surfaces B: Biointerfaces*, **2011**, 88, 315-24	6	48
10	Comparison of pH-sensitivity between two copolymer modified polyethersulfone hollow fiber membranes. *Desalination*, **2011**, 280, 152-159	10.3	19
9	Preparation of polyethersulfone-modified sepiolite hybrid particles for the removal of environmental toxins. *Chemical Engineering Journal*, **2011**, 171, 1132-1142	14.7	46
8	Synthesis, characterization, and application of polyethersulfone bound-iminodiacetic acid. *Journal of Applied Polymer Science*, **2011**, 120, 345-350	2.9	6
7	Remarkable pH-sensitivity and anti-fouling property of terpolymer blended polyethersulfone hollow fiber membranes. *Journal of Membrane Science*, **2011**, 378, 369-381	9.6	60
6	Surface modification of polyethersulfone membrane by grafting bovine serum albumin. *Fibers and Polymers*, **2010**, 11, 960-966	2	18
5	A Nanohook-Equipped Bionanocatalyst for Localized Near-Infrared-Enhanced Catalytic Bacterial Disinfection. *Angewandte Chemie*,e202113833	3.6	3
4	Micro/Nano-Scaled Covalent Organic Frameworks: Polymerization, Crystallization and Self-Assembly. *ChemNanoMat*,	3.5	0
3	ROS-Catalytic Transition-Metal-Based Enzymatic Nanoagents for Tumor and Bacterial Eradication. *Advanced Functional Materials*,2107530	15.6	16
2	Structures, properties, and challenges of emerging 2D materials in bioelectronics and biosensors. *Informa□□Materi□y*,	23.1	2

1	High-Valence Transition Metal Modified FeNiV Oxides Anchored on Carbon Fiber Cloth for Efficient Oxygen Evolution Catalysis. *Advanced Fiber Materials*,1	10.9	2