

Sheng Dai

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136
papers

10,358
citations

43
h-index

100
g-index

144
ext. papers

11,461
ext. citations

7.7
avg. IF

6.67
L-index

#	Paper	IF	Citations
136	Metal-organic framework derived hybrid Co ₃ O ₄ -carbon porous nanowire arrays as reversible oxygen evolution electrodes. <i>Journal of the American Chemical Society</i> , 2014 , 136, 13925-31	16.4	1512
135	Phosphorus-doped graphitic carbon nitrides grown in situ on carbon-fiber paper: flexible and reversible oxygen electrodes. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 4646-50	16.4	654
134	Graphitic carbon nitride nanosheet-carbon nanotube three-dimensional porous composites as high-performance oxygen evolution electrocatalysts. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 7281-5	16.4	651
133	Dopamine as a carbon source: the controlled synthesis of hollow carbon spheres and yolk-structured carbon nanocomposites. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 6799-802	16.4	613
132	Graphene oxide-polydopamine derived N, S-codoped carbon nanosheets as superior bifunctional electrocatalysts for oxygen reduction and evolution. <i>Nano Energy</i> , 2016 , 19, 373-381	17.1	499
131	pH-Responsive polymers: synthesis, properties and applications. <i>Soft Matter</i> , 2008 , 4, 435-449	3.6	499
130	Proton-functionalized two-dimensional graphitic carbon nitride nanosheet: an excellent metal-/label-free biosensing platform. <i>Small</i> , 2014 , 10, 2382-9	11	359
129	Promotion of Electrocatalytic Hydrogen Evolution Reaction on Nitrogen-Doped Carbon Nanosheets with Secondary Heteroatoms. <i>ACS Nano</i> , 2017 , 11, 7293-7300	16.7	271
128	Shape Control of Mn ₃ O ₄ Nanoparticles on Nitrogen-Doped Graphene for Enhanced Oxygen Reduction Activity. <i>Advanced Functional Materials</i> , 2014 , 24, 2072-2078	15.6	261
127	Highly Active, Nonprecious Metal Perovskite Electrocatalysts for Bifunctional Metal-Air Battery Electrodes. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 1254-9	6.4	258
126	Polydopamine-Inspired, Dual Heteroatom-Doped Carbon Nanotubes for Highly Efficient Overall Water Splitting. <i>Advanced Energy Materials</i> , 2017 , 7, 1602068	21.8	256
125	Self-supported electrocatalysts for advanced energy conversion processes. <i>Materials Today</i> , 2016 , 19, 265-273	21.8	212
124	Mesoporous MnCo ₂ O ₄ with abundant oxygen vacancy defects as high-performance oxygen reduction catalysts. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 8676-8682	13	196
123	Synthesis of nitrogen-doped mesoporous carbon spheres with extra-large pores through assembly of diblock copolymer micelles. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 588-93	16.4	185
122	Developing functionalized dendrimer-like silica nanoparticles with hierarchical pores as advanced delivery nanocarriers. <i>Advanced Materials</i> , 2013 , 25, 5981-5	24	173
121	In Situ Coupling Strategy for the Preparation of FeCo Alloys and Co N Hybrid for Highly Efficient Oxygen Evolution. <i>Advanced Materials</i> , 2017 , 29, 1704091	24	136
120	Graphitic Carbon Nitride Nanosheet-Carbon Nanotube Three-Dimensional Porous Composites as High-Performance Oxygen Evolution Electrocatalysts. <i>Angewandte Chemie</i> , 2014 , 126, 7409-7413	3.6	128

119	Hierarchical Mesoporous/Macroporous Perovskite La _{0.5} Sr _{0.5} CoO _{3-x} Nanotubes: A Bifunctional Catalyst with Enhanced Activity and Cycle Stability for Rechargeable Lithium Oxygen Batteries. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 22478-86	9.5	114
118	Taming the stability of Pd active phases through a compartmentalizing strategy toward nanostructured catalyst supports. <i>Nature Communications</i> , 2019 , 10, 1611	17.4	112
117	The aggregation behavior of O-carboxymethylchitosan in dilute aqueous solution. <i>Colloids and Surfaces B: Biointerfaces</i> , 2005 , 43, 143-9	6	106
116	Activating natural bentonite as a cost-effective adsorbent for removal of Congo-red in wastewater. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 21, 653-661	6.3	102
115	Polydopamine-graphene oxide derived mesoporous carbon nanosheets for enhanced oxygen reduction. <i>Nanoscale</i> , 2015 , 7, 12598-605	7.7	96
114	Synthesis of Nitrogen-Doped Mesoporous Carbon Spheres with Extra-Large Pores through Assembly of Diblock Copolymer Micelles. <i>Angewandte Chemie</i> , 2015 , 127, 598-603	3.6	94
113	Microbial community and bioelectrochemical activities in MFC for degrading phenol and producing electricity: Microbial consortia could make differences. <i>Chemical Engineering Journal</i> , 2018 , 332, 647-657	14.7	91
112	Nitrogen-Doped CN _x /CNTs Heteroelectrocatalysts for Highly Efficient Dye-Sensitized Solar Cells. <i>Advanced Energy Materials</i> , 2017 , 7, 1602276	21.8	88
111	Phosphorus-Doped Graphitic Carbon Nitrides Grown In Situ on Carbon-Fiber Paper: Flexible and Reversible Oxygen Electrodes. <i>Angewandte Chemie</i> , 2015 , 127, 4729-4733	3.6	87
110	Lanthanide-containing polymer microspheres by multiple-stage dispersion polymerization for highly multiplexed bioassays. <i>Journal of the American Chemical Society</i> , 2009 , 131, 15276-83	16.4	83
109	Polysaccharide surface modified Fe ₃ O ₄ nanoparticles for camptothecin loading and release. <i>Acta Biomaterialia</i> , 2009 , 5, 1489-98	10.8	76
108	Enhancement on the wettability of lithium battery separator toward nonaqueous electrolytes. <i>Journal of Membrane Science</i> , 2016 , 503, 25-30	9.6	71
107	A galactosamine-mediated drug delivery carrier for targeted liver cancer therapy. <i>Pharmacological Research</i> , 2011 , 64, 410-9	10.2	68
106	Exploring N-imidazolyl-O-carboxymethyl chitosan for high performance gene delivery. <i>Biomacromolecules</i> , 2012 , 13, 146-53	6.9	67
105	Label-free dendrimer-like silica nano hybrids for traceable and controlled gene delivery. <i>Biomaterials</i> , 2014 , 35, 5580-90	15.6	54
104	Chemical Approaches to Carbon-Based Metal-Free Catalysts. <i>Advanced Materials</i> , 2019 , 31, e1804863	24	53
103	Functionalized thermo-responsive microgels for high performance forward osmosis desalination. <i>Water Research</i> , 2015 , 70, 385-93	12.5	53
102	Intracellular Microenvironment-Responsive Dendrimer-Like Mesoporous Nano hybrids for Traceable, Effective, and Safe Gene Delivery. <i>Advanced Functional Materials</i> , 2014 , 24, 7627-7637	15.6	53

101	Biomimetic three-dimensional microenvironment for controlling stem cell fate. <i>Interface Focus</i> , 2011 , 1, 792-803	3.9	52
100	Hollow mesoporous silica nanoparticles: A peculiar structure for thin film nanocomposite membranes. <i>Journal of Membrane Science</i> , 2016 , 519, 1-10	9.6	51
99	Self-Assembly of Alkali-Soluble [60]Fullerene Containing Poly(methacrylic acid) in Aqueous Solution. <i>Macromolecules</i> , 2005 , 38, 933-939	5.5	50
98	Preparation of Well-Dispersed Superparamagnetic Iron Oxide Nanoparticles in Aqueous Solution with Biocompatible N-Succinyl-O-carboxymethylchitosan. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 5432-5438	3.8	48
97	Near-Infrared Active Lead Chalcogenide Quantum Dots: Preparation, Post-Synthesis Ligand Exchange, and Applications in Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 5202-5224	16.4	47
96	Microengineered 3D cell-laden thermoresponsive hydrogels for mimicking cell morphology and orientation in cartilage tissue engineering. <i>Biotechnology and Bioengineering</i> , 2017 , 114, 217-231	4.9	47
95	Self-assembly of stimuli-responsive water-soluble [60]fullerene end-capped ampholytic block copolymer. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 4431-8	3.4	47
94	Understanding functionalized silica nanoparticles incorporation in thin film composite membranes: Interactions and desalination performance. <i>Journal of Membrane Science</i> , 2017 , 521, 53-64	9.6	44
93	EPGA-coated mesoporous silica nanoparticles with covalently attached prodrugs for enhanced cellular uptake and intracellular GSH-responsive release. <i>Advanced Healthcare Materials</i> , 2015 , 4, 771-81	10.1	42
92	Developing a chitosan supported imidazole Schiff-base for high-efficiency gene delivery. <i>Polymer Chemistry</i> , 2013 , 4, 840-850	4.9	41
91	Polyethylenimine modified silica nanoparticles enhance interfacial interactions and desalination performance of thin film nanocomposite membranes. <i>Journal of Membrane Science</i> , 2017 , 541, 19-28	9.6	40
90	Fullerene containing polymers: a review on their synthesis and supramolecular behavior in solution. <i>Journal of Nanoscience and Nanotechnology</i> , 2007 , 7, 1176-96	1.3	40
89	Electrocatalytic Activity of a 2D Phosphorene-Based Heteroelectrocatalyst for Photoelectrochemical Cells. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2644-2647	16.4	39
88	Poly(N-isopropylacrylamide) hydrogel/chitosan scaffold hybrid for three-dimensional stem cell culture and cartilage tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2016 , 104, 2764-74	5.4	39
87	Synthesis of highly active and stable spinel-type oxygen evolution electrocatalysts by a rapid inorganic self-templating method. <i>Chemistry - A European Journal</i> , 2014 , 20, 12669-76	4.8	38
86	N-cyclic quaternary ammonium-functionalized anion exchange membrane with improved alkaline stability enabled by aryl-ether free polymer backbones for alkaline fuel cells. <i>Journal of Membrane Science</i> , 2019 , 587, 117135	9.6	37
85	Metal-Containing Polystyrene Beads as Standards for Mass Cytometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2010 , 25, 260-268	3.7	37
84	A biodegradable thermosensitive hydrogel with tuneable properties for mimicking three-dimensional microenvironments of stem cells. <i>RSC Advances</i> , 2014 , 4, 63951-63961	3.7	35

83	Pyrolysis of conjugated nanoporous polycarbazoles to mesoporous N-doped carbon nanotubes as efficient electrocatalysts for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 4507-4512	13	34
82	ABC block copolymer as smart pH-responsive carrier for intracellular delivery of hydrophobic drugs. <i>Polymer</i> , 2011 , 52, 3396-3404	3.9	34
81	TiN-coated micron-sized tantalum-doped Li ₄ Ti ₅ O ₁₂ with enhanced anodic performance for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2016 , 687, 746-753	5.7	32
80	Thermoresponsive Acidic Microgels as Functional Draw Agents for Forward Osmosis Desalination. <i>Environmental Science & Technology</i> , 2016 , 50, 4221-8	10.3	31
79	Polycation-mediated gene delivery: Challenges and considerations for the process of plasmid DNA transfection. <i>Engineering in Life Sciences</i> , 2015 , 15, 489-498	3.4	29
78	Thermo- and photo-responsive polymeric systems. <i>Soft Matter</i> , 2009 ,	3.6	29
77	Solvent-induced large compound vesicle of [60]fullerene containing poly(tert-butyl methacrylate). <i>Langmuir</i> , 2004 , 20, 9882-4	4	29
76	Chemical impact of catholytes on Bacillus subtilis -catalysed microbial fuel cell performance for degrading 2,4-dichlorophenol. <i>Chemical Engineering Journal</i> , 2016 , 301, 103-114	14.7	29
75	A new family of fluidic precursors for the self-templated synthesis of hierarchical nanoporous carbons. <i>Chemical Communications</i> , 2013 , 49, 7289-91	5.8	28
74	Polymer-induced fractal patterns of [60]fullerene containing poly(methacrylic acid) in salt solutions. <i>Langmuir</i> , 2004 , 20, 9901-4	4	27
73	Ionic liquid-mediated synthesis of meso-scale porous lanthanum-transition-metal perovskites with high CO oxidation performance. <i>Chemical Communications</i> , 2015 , 51, 5910-3	5.8	26
72	Fabricating hydroxyapatite nanorods using a biomacromolecule template. <i>Applied Surface Science</i> , 2011 , 257, 3174-3179	6.7	26
71	Self-assembly of C ₆₀ containing poly(methyl methacrylate) in ethyl acetate/decalin mixtures solvent. <i>Polymer</i> , 2005 , 46, 4714-4721	3.9	26
70	Intracellular microenvironment-responsive label-free autofluorescent nanogels for traceable gene delivery. <i>Advanced Healthcare Materials</i> , 2014 , 3, 1839-48	10.1	25
69	Exploring thermal reversible hydrogels for stem cell expansion in three-dimensions. <i>Soft Matter</i> , 2012 , 8, 7250	3.6	25
68	Coupling FeNi alloys and hollow nitrogen-enriched carbon frameworks leads to high-performance oxygen electrocatalysts for rechargeable zinc-air batteries. <i>Sustainable Energy and Fuels</i> , 2019 , 3, 136-141	5.8	25
67	Rheological properties of hydrophobic ethoxylated urethane (HEUR) in the presence of methylated β -cyclodextrin. <i>Polymer</i> , 2004 , 45, 8339-8348	3.9	24
66	Effect of cosolvents on the binding interaction between poly(ethylene oxide) and sodium dodecyl sulfate. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 20794-800	3.4	23

65	Highly ordered ZnMnO ₃ nanotube arrays from a self-sacrificial ZnO template as high-performance electrodes for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 16318-16323	13.3	23
64	Manipulation of nanofiber-based galactosidase nanoenvironment for enhancement of galacto-oligosaccharide production. <i>Journal of Biotechnology</i> , 2016 , 222, 56-64	3.7	22
63	A thermally responsive cationic nanogel-based platform for three-dimensional cell culture and recovery. <i>RSC Advances</i> , 2014 , 4, 29146	3.7	22
62	Exploring low-positively charged thermosensitive copolymers as gene delivery vectors. <i>Soft Matter</i> , 2012 , 8, 1385-1394	3.6	22
61	Laser light scattering and isothermal titration calorimetric studies of poly(ethylene oxide) aqueous solution in presence of sodium dodecyl sulfate. <i>Journal of Colloid and Interface Science</i> , 2005 , 292, 79-85	9.3	22
60	Thermoresponsive cationic copolymer microgels as high performance draw agents in forward osmosis desalination. <i>Journal of Membrane Science</i> , 2016 , 518, 273-281	9.6	22
59	Influence of polymer molecular weight on the in vitro cytotoxicity of poly (N-isopropylacrylamide). <i>Materials Science and Engineering C</i> , 2016 , 59, 509-513	8.3	21
58	Nanoprecipitation and Spectroscopic Characterization of Curcumin-Encapsulated Polyester Nanoparticles. <i>Langmuir</i> , 2015 , 31, 11419-27	4	21
57	Quaternized poly(2,6-dimethyl-1,4-phenylene oxide) anion exchange membranes with pendant sterically-protected imidazoliums for alkaline fuel cells. <i>Journal of Membrane Science</i> , 2020 , 601, 117881	9.6	21
56	Endosomal pH responsive polymers for efficient cancer targeted gene therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 119, 55-65	6	21
55	An integrated statistic and systematic approach to study correlation of synthesis condition and desalination performance of thin film composite membranes. <i>Desalination</i> , 2016 , 394, 138-147	10.3	21
54	Gas-responsive cationic microgels for forward osmosis desalination. <i>Chemical Engineering Journal</i> , 2018 , 347, 424-431	14.7	20
53	Intracellular microenvironment responsive polymers: a multiple-stage transport platform for high-performance gene delivery. <i>Small</i> , 2014 , 10, 871-7	11	20
52	NIPAM-based Microgel Microenvironment Regulates the Therapeutic Function of Cardiac Stromal Cells. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 37783-37796	9.5	19
51	Isothermal titration calorimetric studies on the interaction between sodium dodecyl sulfate and polyethylene glycols of different molecular weights and chain architectures. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006 , 289, 200-206	5.1	18
50	Salt effects on aggregation of O-carboxymethylchitosan in aqueous solution. <i>Colloids and Surfaces B: Biointerfaces</i> , 2006 , 47, 20-8	6	18
49	Non-ionic copolymer microgels as high-performance draw materials for forward osmosis desalination. <i>Journal of Membrane Science</i> , 2019 , 572, 480-488	9.6	18
48	Molar Conductance of Sodium Bromide and Sodium Iodide in Methanol + Water at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 1997 , 42, 651-654	2.8	17

47	Aluminum hydroxide-mediated synthesis of mesoporous metal oxides by a mechanochemical nanocasting strategy. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 22977-22985	13	17
46	Polymer Microbead-Based Surface Enhanced Raman Scattering Immunoassays. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 17174-17181	3.8	16
45	Polydopamine-Derived, In Situ N-Doped 3D Mesoporous Carbons for Highly Efficient Oxygen Reduction. <i>ChemNanoMat</i> , 2018 , 4, 417-422	3.5	15
44	Bioelectrochemical Reaction Kinetics, Mechanisms, and Pathways of Chlorophenol Degradation in MFC Using Different Microbial Consortia. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 17263-17272	8.3	15
43	Not all anionic polyelectrolytes complex with DTAB. <i>Langmuir</i> , 2009 , 25, 13712-7	4	15
42	Self-assembly of N-maleoylchitosan in aqueous media. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 76, 221-5	6	15
41	Smart surface-enhanced Raman scattering traceable drug delivery systems. <i>Nanoscale</i> , 2016 , 8, 12803-11	11.7	15
40	Interaction between Fluorocarbon End-Capped Poly(ethylene oxide) and Cyclodextrins. <i>Macromolecules</i> , 2007 , 40, 2936-2945	5.5	14
39	Mechanistic insight into the nucleation and growth of oleic acid capped lead sulphide quantum dots. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 14055-62	3.6	14
38	Controlling interfacial properties in supported metal oxide catalysts through metal-organic framework templating. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 13565-13572	13	13
37	Degradation of 2,4-Dichlorophenol by Bacillus Subtilis with Concurrent Electricity Generation in Microbial Fuel Cell. <i>Procedia Engineering</i> , 2016 , 148, 370-377		13
36	Versatile PbS Quantum Dot Ligand Exchange Systems in the Presence of Pb-Thiolates. <i>Small</i> , 2017 , 13, 1602956	11	13
35	Preparation of N-maleoylchitosan nanocapsules for loading and sustained release of felodipine. <i>Biomacromolecules</i> , 2009 , 10, 1997-2002	6.9	13
34	Chitosan-poly(acrylic acid) complex modified paramagnetic Fe ₃ O ₄ nanoparticles for camptothecin loading and release. <i>Journal of Materials Research</i> , 2009 , 24, 2307-2315	2.5	13
33	Fabricating polystyrene fiber-dehydrogenase assemble as a functional biocatalyst. <i>Enzyme and Microbial Technology</i> , 2015 , 68, 15-22	3.8	11
32	Enhanced multi-lineage differentiation of human mesenchymal stem/stromal cells within poly(N-isopropylacrylamide-acrylic acid) microgel-formed three-dimensional constructs. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 1799-1814	7.3	11
31	Synthesis of Sulfur-Containing Aryl and Heteroaryl Vinyls via Suzuki-Miyaura Cross-Coupling for the Preparation of SERS-Active Polymers. <i>Tetrahedron Letters</i> , 2009 , 50, 5467-5469	2	11
30	The enhancement of neural stem cell survival and growth by coculturing with expanded Sertoli cells in vitro. <i>Biotechnology Progress</i> , 2012 , 28, 196-205	2.8	9

29	Synthesis and physicochemical properties of biocompatible N-carboxyethylchitosan. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2009 , 20, 981-92	3.5	9
28	Electrocatalytic Activity of a 2D Phosphorene-Based Heteroelectrocatalyst for Photoelectrochemical Cells. <i>Angewandte Chemie</i> , 2018 , 130, 2674-2677	3.6	8
27	Spherical N-carboxyethylchitosan/hydroxyapatite nanoparticles prepared by ionic diffusion process in a controlled manner. <i>Journal of Materials Science: Materials in Medicine</i> , 2010 , 21, 3095-101	4.5	8
26	Rheological properties of a telechelic associative polymer in the presence of alpha- and methylated beta-cyclodextrins. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 371-8	3.4	8
25	Synergistic Enhancement in Antibacterial Activity of Core/Shell/Shell SiO ₂ /ZnO/Ag ₃ PO ₄ Nanoparticles. <i>ChemNanoMat</i> , 2018 , 4, 972-981	3.5	8
24	Coincorporation of nano-silica and nano-calcium carbonate in polypropylene. <i>Journal of Applied Polymer Science</i> , 2011 , 121, 3007-3013	2.9	7
23	Influence of anionic surfactant on the rheological properties of hydrophobically modified polyethylene-oxide/cyclodextrin inclusion complexes. <i>Journal of Rheology</i> , 2009 , 53, 293-308	4.1	7
22	Synthesis and properties of polystyrene-g-mSiO ₂ filled polypropylene nanocomposites. <i>Polymer Composites</i> , 2010 , 31, 807-815	3	7
21	Tuning microenvironment for multicellular spheroid formation in thermo-responsive anionic microgel scaffolds. <i>Journal of Biomedical Materials Research - Part A</i> , 2018 , 106, 2899-2909	5.4	7
20	Thermal and magnetic dual-responsive l-proline nano hybrids for aqueous asymmetric aldol reaction. <i>Reactive and Functional Polymers</i> , 2020 , 149, 104508	4.6	6
19	Generation of Fluorescent and Stable Conjugated Polymer Nanoparticles with Hydrophobically Modified Poly(acrylate)s. <i>Macromolecules</i> , 2016 , 49, 8530-8539	5.5	6
18	Microstructure of un-neutralized hydrophobically modified alkali-soluble emulsion latex in different surfactant solutions. <i>Langmuir</i> , 2005 , 21, 7136-42	4	6
17	Dynamic light scattering of semidilute hydrophobically modified alkali-soluble emulsion solutions with different lengths of poly(ethylene oxide) spacer chain. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005 , 43, 3288-3298	2.6	6
16	L-proline functionalized pH-responsive copolymers as supported organocatalysts for asymmetric aldol reaction in water. <i>Reactive and Functional Polymers</i> , 2020 , 150, 104544	4.6	4
15	Interfacial Biocatalytic Performance of Nanofiber-Supported β -Galactosidase for Production of Galacto-Oligosaccharides. <i>Catalysts</i> , 2020 , 10, 81	4	4
14	Cell-penetrating peptide-labelled smart polymers for enhanced gene delivery. <i>Engineering in Life Sciences</i> , 2017 , 17, 193-203	3.4	4
13	Single-cell analysis for bioprocessing. <i>Engineering in Life Sciences</i> , 2015 , 15, 582-592	3.4	4
12	O ₂ /N ₂ -responsive microgels as functional draw agents for gas-triggering forward osmosis desalination. <i>Journal of Membrane Science</i> , 2020 , 595, 117584	9.6	4

11	A Robust Strategy for Living Growth of Lead Sulfide Quantum Dots. <i>ChemNanoMat</i> , 2016 , 2, 49-53	3.5	4
10	Sulphur as medium: Directly converting pitch into porous carbon. <i>Fuel</i> , 2021 , 286, 119393	7.1	4
9	Tunable OH ⁻ Transport and Alkaline Stability by Imidazolium-Based Groups of Poly(2,6-dimethyl-1,4-phenylene oxide) Anion Exchange Membranes: A Molecular Dynamics Simulation. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 2481-2491	3.9	4
8	CHAPTER 21:Natural Cationic Polymers for Advanced Gene and Drug Delivery. <i>RSC Polymer Chemistry Series</i> , 2014 , 557-582	1.3	3
7	Porous Carbon Materials 2020 , 29-95		2
6	Dual-response quadratic model for optimisation of electricity generation and chlorophenol degradation by electro-degradative in microbial fuel cell system. <i>Environmental Technology (United Kingdom)</i> , 2021 , 1-14	2.6	2
5	Nahinfrarotaktive Bleichalkogenid-Quantenpunkte: Herstellung, postsynthetischer Ligandenaustausch und Anwendungen in Solarzellen. <i>Angewandte Chemie</i> , 2019 , 131, 5256-5279	3.6	1
4	Amphiphilic and biocompatible properties of poly (EA-MAA). <i>Journal of Applied Polymer Science</i> , 2013 , 127, 3731-3736	2.9	1
3	Formation of industrial mixed culture biofilm in chlorophenol cultivated medium of microbial fuel cell 2016 ,		1
2	Synthesis and spectroscopic study of dual self-encoded polymer microbeads with Raman scattering and surface-enhanced Raman scattering. <i>Journal of Raman Spectroscopy</i> , 2020 , 51, 910-918	2.3	0
1	Exploring hierarchical porous silica-supported Ag ₃ PO ₄ as high-efficient and environmental-friendly photocatalytic disinfectant. <i>Journal of Materials Science</i> , 2021 , 56, 14257-14269	4.3	0