

Huawei Yang

List of Publications by Year in descending order

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Version: 2024-02-01

134
papers

4,754
citations

66234

42
h-index

128067

60
g-index

135
all docs

135
docs citations

135
times ranked

3888
citing authors

#	ARTICLE	IF	CITATIONS
1	Microporous framework membranes for precise molecule/ion separations. <i>Chemical Society Reviews</i> , 2021, 50, 986-1029.	18.7	191
2	Efficient oxidative desulfurization of diesel fuel using amide-based ionic liquids. <i>Chemical Engineering Journal</i> , 2016, 283, 89-96.	6.6	149
3	Low-pressure electroneutral loose nanofiltration membranes with polyphenol-inspired coatings for effective dye/divalent salt separation. <i>Chemical Engineering Journal</i> , 2019, 359, 1442-1452.	6.6	137
4	Ni _{1-x} Co _x Se ₂ /C/ZnIn ₂ S ₄ Hybrid Nanocages with Strong 2D/2D Hetero-Interface Interaction Enable Efficient H ₂ -Releasing Photocatalysis. <i>Advanced Functional Materials</i> , 2021, 31, 2100923.	7.8	104
5	Ionic self-assembly of poly(ionic liquid)-polyoxometalate hybrids for selective adsorption of anionic dyes. <i>Chemical Engineering Journal</i> , 2019, 358, 850-859.	6.6	103
6	Facile hydrophilic modification of PVDF membrane with Ag/EGCG decorated micro/nanostructural surface for efficient oil-in-water emulsion separation. <i>Chemical Engineering Journal</i> , 2020, 402, 126200.	6.6	103
7	N-doped hierarchically porous carbon derived from grape marcs for high-performance supercapacitors. <i>Journal of Alloys and Compounds</i> , 2021, 854, 157207.	2.8	100
8	Deep oxidative desulfurization of fuels by superbase-derived Lewis acidic ionic liquids. <i>Chemical Engineering Journal</i> , 2017, 328, 445-453.	6.6	98
9	Fabrication of meshes with inverse wettability based on the TiO ₂ nanowires for continuous oil/water separation. <i>Chemical Engineering Journal</i> , 2020, 380, 122524.	6.6	96
10	Heterogeneous oxidative desulfurization of diesel fuel catalyzed by mesoporous polyoxometalate-based polymeric hybrid. <i>Journal of Hazardous Materials</i> , 2017, 333, 63-72.	6.5	88
11	Surface hydrophilic modification of PVDF membranes based on tannin and zwitterionic substance towards effective oil-in-water emulsion separation. <i>Separation and Purification Technology</i> , 2020, 234, 116015.	3.9	85
12	Deep catalytic oxidative desulfurization of fuels by novel Lewis acidic ionic liquids. <i>Fuel Processing Technology</i> , 2018, 177, 81-88.	3.7	82
13	Novel supported liquid membranes based on deep eutectic solvents for olefin-paraffin separation via facilitated transport. <i>Journal of Membrane Science</i> , 2017, 536, 123-132.	4.1	81
14	Feasible One-Pot Sequential Synthesis of Aminopyridine Functionalized Magnetic Fe ₃ O ₄ Hybrids for Robust Capture of Aqueous Hg(II) and Ag(I). <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 7324-7337.	3.2	79
15	Bioinspired Graphene Oxide Membranes with Dual Transport Mechanisms for Precise Molecular Separation. <i>Advanced Functional Materials</i> , 2019, 29, 1905229.	7.8	75
16	Polymeric cation and isopolyanion ionic self-assembly: Novel thin-layer mesoporous catalyst for oxidative desulfurization. <i>Chemical Engineering Journal</i> , 2017, 317, 32-41.	6.6	73
17	Highly Efficient and Reversible Capture of Low Partial Pressure SO ₂ by Functional Deep Eutectic Solvents. <i>Energy & Fuels</i> , 2018, 32, 10737-10744.	2.5	71
18	Efficient Demulsification of Diesel-in-Water Emulsions by Different Structural Dendrimer-Based Demulsifiers. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 1748-1759.	1.8	69

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19	Highly Efficient and Reversible CO ₂ Capture by Task-Specific Deep Eutectic Solvents. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 13321-13329.	1.8	66
20	Boron Nitride Membranes with a Distinct Nanoconfinement Effect for Efficient Ethylene/Ethane Separation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13969-13975.	7.2	64
21	Self-healing, sensitive and antifreezing biomass nanocomposite hydrogels based on hydroxypropyl guar gum and application in flexible sensors. <i>International Journal of Biological Macromolecules</i> , 2020, 155, 1569-1577.	3.6	60
22	Efficient aerobic oxidative desulfurization over Co ^{II} /Mo ^{VI} bimetallic oxide catalysts. <i>Catalysis Science and Technology</i> , 2019, 9, 2915-2922.	2.1	59
23	Cellulose nanocrystal shelled with poly(ionic liquid)/polyoxometalate hybrid as efficient catalyst for aerobic oxidative desulfurization. <i>Journal of Colloid and Interface Science</i> , 2019, 554, 572-579.	5.0	58
24	Fabrication of Microcapsules by the Combination of Biomass Porous Carbon and Polydopamine for Dual Self-Healing Hydrogels. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 1061-1071.	2.4	58
25	Nanofiltration membrane via EGCG-PEI co-deposition followed by cross-linking on microporous PTFE substrates for desalination. <i>Separation and Purification Technology</i> , 2020, 232, 115964.	3.9	54
26	Fabrication of Janus graphene oxide hybrid nanosheets by Pickering emulsion template for self-healing nanocomposite hydrogels. <i>Chemical Engineering Journal</i> , 2020, 385, 123962.	6.6	54
27	Eco-friendly extraction of cellulose nanocrystals from grape pomace and construction of self-healing nanocomposite hydrogels. <i>Cellulose</i> , 2020, 27, 2541-2553.	2.4	54
28	Fabrication of dual network self-healing alginate/guar gum hydrogels based on polydopamine-type microcapsules from mesoporous silica nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2019, 129, 916-926.	3.6	53
29	Superbase/Acylamido-Based Deep Eutectic Solvents for Multiple-Site Efficient CO ₂ Absorption. <i>Energy & Fuels</i> , 2019, 33, 7569-7577.	2.5	51
30	Carbon nanofibers enhanced solar steam generation device based on loofah biomass for water purification. <i>Materials Chemistry and Physics</i> , 2021, 258, 123998.	2.0	51
31	Synthesis and oxidative desulfurization of novel lactam-based Brønsted-Lewis acidic ionic liquids. <i>Chemical Engineering Journal</i> , 2016, 306, 131-138.	6.6	50
32	Silver-Based Deep Eutectic Solvents as Separation Media: Supported Liquid Membranes for Facilitated Olefin Transport. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 6873-6882.	3.2	50
33	Deep eutectic solvent as novel additive for PES membrane with improved performance. <i>Separation and Purification Technology</i> , 2018, 194, 239-248.	3.9	49
34	Ni-Al layered double hydroxides (LDHs) coated superhydrophobic mesh with flower-like hierarchical structure for oil/water separation. <i>Applied Surface Science</i> , 2019, 490, 145-156.	3.1	49
35	A Low-Cost 3D Spherical Evaporator with Unique Surface Topology and Inner Structure for Solar Water Evaporation-Assisted Dye Wastewater Treatment. <i>Advanced Sustainable Systems</i> , 2021, 5, 2000245.	2.7	48
36	Ether-Functionalized Ionic Liquids with Low Viscosity for Efficient SO ₂ Capture. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 16335-16340.	1.8	47

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37	Two-stage PSA/VSA to produce H ₂ with CO ₂ capture via steam methane reforming (SMR). International Journal of Hydrogen Energy, 2018, 43, 19057-19074.	3.8	47
38	Rapid removal of anionic dye from water by poly(ionic liquid)-modified magnetic nanoparticles. Journal of Molecular Liquids, 2019, 284, 383-392.	2.3	47
39	Preparation of Co-Mo-O ultrathin nanosheets with outstanding catalytic performance in aerobic oxidative desulfurization. Chemical Communications, 2019, 55, 13995-13998.	2.2	47
40	Superhydrophilic and underwater superoleophobic Ti foam with fluorinated hierarchical flower-like TiO ₂ nanostructures for effective oil-in-water emulsion separation. Applied Surface Science, 2018, 456, 114-123.	3.1	46
41	A Systematic Simulation and Proposed Optimization of the Pressure Swing Adsorption Process for N ₂ /CH ₄ Separation under External Disturbances. Industrial & Engineering Chemistry Research, 2015, 54, 7489-7501.	1.8	45
42	Robust and Durable Superhydrophobic Polyurethane Sponge for Oil/Water Separation. Industrial & Engineering Chemistry Research, 2016, 55, 11260-11268.	1.8	44
43	Deep Eutectic Solvents As Tuning Media Dissolving Cu ⁺ Used in Facilitated Transport Supported Liquid Membrane for Ethylene/Ethane Separation. Energy & Fuels, 2017, 31, 11146-11155.	2.5	44
44	Synergy of high permeability, selectivity and good stability properties of silver-decorated deep eutectic solvent based facilitated transport membranes for efficient ethylene/ethane separation. Journal of Membrane Science, 2018, 567, 39-48.	4.1	43
45	Self-healing nanocomposite hydrogels based on modified cellulose nanocrystals by surface-initiated photoinduced electron transfer ATRP. Cellulose, 2019, 26, 5305-5319.	2.4	43
46	A Novel Copper(I)-Based Supported Ionic Liquid Membrane with High Permeability for Ethylene/Ethane Separation. Industrial & Engineering Chemistry Research, 2017, 56, 741-749.	1.8	41
47	One-step synthesis of mixed valence FeOX nanoparticles supported on biomass activated carbon for degradation of bisphenol A by activating peroxydisulfate. Journal of Hazardous Materials, 2021, 409, 124990.	6.5	40
48	Surface-Initiated Metal-Free Photoinduced ATRP of 4-Vinylpyridine from SiO ₂ via Visible Light Photocatalysis for Self-Healing Hydrogels. Industrial & Engineering Chemistry Research, 2018, 57, 17417-17429.	1.8	39
49	Biodiesel Production via Transesterification of Soybean Oil Catalyzed by Superhydrophobic Porous Poly(ionic liquid) Solid Base. Energy & Fuels, 2017, 31, 5203-5214.	2.5	38
50	Self-healing and toughness cellulose nanocrystals nanocomposite hydrogels for strain-sensitive wearable flexible sensor. International Journal of Biological Macromolecules, 2021, 179, 324-332.	3.6	38
51	Optimization and analysis of a VPSA process for N ₂ /CH ₄ separation. Separation and Purification Technology, 2014, 134, 232-240.	3.9	35
52	Covalent layer-by-layer grafting (LBLG) functionalized superhydrophobic stainless steel mesh for oil/water separation. Applied Surface Science, 2017, 406, 150-160.	3.1	35
53	Highly Efficient Nitric Oxide Absorption by Environmentally Friendly Deep Eutectic Solvents Based on 1,3-Dimethylthiourea. Energy & Fuels, 2017, 31, 12439-12445.	2.5	35
54	Construction of polyoxometallate-based organic-inorganic hybrid nanowires for efficient oxidative desulfurization. Molecular Catalysis, 2018, 448, 38-45.	1.0	35

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55	Novel One-Step, in Situ Thermal Polymerization Fabrication of Robust Superhydrophobic Mesh for Efficient Oil/Water Separation. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 11817-11826.	1.8	34
56	A Novel Supported Liquid Membrane Based on Binary Metal Chloride Deep Eutectic Solvents for Ethylene/Ethane Separation. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 15153-15162.	1.8	32
57	Ultra-stable and cost-efficient protic ionic liquid based facilitated transport membranes for highly selective olefin/paraffin separation. <i>Journal of Membrane Science</i> , 2018, 557, 76-86.	4.1	31
58	Supported ionic liquid membranes with high carrier efficiency via strong hydrogen-bond basicity for the sustainable and effective olefin/paraffin separation. <i>Chemical Engineering Science</i> , 2019, 193, 27-37.	1.9	31
59	Fabrication of superhydrophobic cotton fabrics using crosslinking polymerization method. <i>Applied Surface Science</i> , 2018, 441, 554-563.	3.1	30
60	Surface Engineering of Porous Carbon for Self-Healing Nanocomposite Hydrogels by Mussel-Inspired Chemistry and PET-ATRP. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 38126-38135.	4.0	30
61	Investigation of glycerol-derived binary and ternary systems in CO ₂ capture process. <i>Fuel</i> , 2017, 210, 836-843.	3.4	29
62	Boron Nitride Membranes with a Distinct Nanoconfinement Effect for Efficient Ethylene/Ethane Separation. <i>Angewandte Chemie</i> , 2019, 131, 14107-14113.	1.6	29
63	A multiple signal amplification based on PEI and rGO nanocomposite for simultaneous multiple electrochemical immunoassay. <i>Sensors and Actuators B: Chemical</i> , 2019, 301, 127071.	4.0	29
64	Investigation of Highly Efficient and Reversible Absorption of SO ₂ Using Ternary Functional Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 16241-16251.	3.2	29
65	Multifunctional ternary deep eutectic solvent-based membranes for the cost-effective ethylene/ethane separation. <i>Journal of Membrane Science</i> , 2020, 610, 118243.	4.1	29
66	Morphology-Controlled Construction and Aerobic Oxidative Desulfurization of Hierarchical Hollow Co ²⁺ /Ni ²⁺ /Mo ⁶⁺ /O Mixed Metal-Oxide Nanotubes. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 6488-6496.	1.8	29
67	Solar vapor generator: A natural all-in-one 3D system derived from cattail. <i>Solar Energy Materials and Solar Cells</i> , 2021, 227, 111127.	3.0	29
68	Dual-functional mesh with Zn-Ni-Co LDHs@NiMoO ₄ heterojunction nanoarrays for highly efficient oil/water separation and photocatalytic degradation. <i>Separation and Purification Technology</i> , 2021, 259, 118116.	3.9	28
69	Co-Fe-Mo mixed metal oxides derived from layered double hydroxides for deep aerobic oxidative desulfurization. <i>Fuel</i> , 2021, 306, 121751.	3.4	28
70	Synthesis of chlorostannate(ⁱⁱ) ionic liquids and their novel application in the preparation of high-quality ^l -lactide. <i>RSC Advances</i> , 2015, 5, 50747-50755.	1.7	27
71	Novel Protic Ionic Liquid Composite Membranes with Fast and Selective Gas Transport Nanochannels for Ethylene/Ethane Separation. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 13963-13974.	4.0	27
72	A lignin dissolution-precipitation strategy for porous biomass carbon materials derived from cherry stones with excellent capacitance. <i>Journal of Alloys and Compounds</i> , 2020, 832, 155029.	2.8	27

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73	1,3-Dimethylurea Tetrabutylphosphonium Bromide Ionic Liquids for NO Efficient and Reversible Capture. <i>Energy & Fuels</i> , 2016, 30, 735-739.	2.5	26
74	Adsorption property and mechanism of PAMAM dendrimer/silica gel hybrids for Fe(III) and Ag(I) from N,N-dimethylformamide. <i>Journal of Molecular Liquids</i> , 2019, 273, 305-313.	2.3	26
75	Fabrication of novel electrochemical immunosensor by mussel-inspired chemistry and surface-initiated PET-ATRP for the simultaneous detection of CEA and AFP. <i>Reactive and Functional Polymers</i> , 2020, 154, 104632.	2.0	26
76	Highly sensitive electrochemical immunosensor for the simultaneous detection of multiple tumor markers for signal amplification. <i>Talanta</i> , 2021, 226, 122133.	2.9	26
77	Adsorption of Mn(II) from aqueous solution by silica-gel supported polyamidoamine dendrimers: Experimental and DFT study. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 97, 189-199.	2.7	24
78	Defect-Induced Self-Cleaning Solar Absorber with Full-Spectrum Light Absorption for Efficient Dye Wastewater Purification. <i>Solar Rrl</i> , 2021, 5, 2100105.	3.1	23
79	Optimization of three-bed VPSA system for biogas upgrading. <i>Chemical Engineering Science</i> , 2015, 135, 100-108.	1.9	21
80	Pickering emulsion of metal-free photoinduced electron transfer-ATRP stabilized by cellulose nanocrystals. <i>Cellulose</i> , 2019, 26, 5947-5957.	2.4	21
81	Immobilization of monodisperse metal-oxo-cluster on graphene for aerobic oxidative desulfurization of fuel. <i>Chemical Engineering Research and Design</i> , 2020, 140, 26-33.	2.7	21
82	Cellulose Nanocrystals Extracted from Grape Pomace with Deep Eutectic Solvents and Application for Self-Healing Nanocomposite Hydrogels. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 1900673.	1.7	19
83	Engineering the Electronic Structure of Mo Sites in Mn-Mo Mixed-Metal Oxides for Efficient Aerobic Oxidative Desulfurization. <i>Energy & Fuels</i> , 2021, 35, 12310-12318.	2.5	19
84	Preparation of a novel sandwich-type electrochemical immunosensor for AFP detection based on an ATRP and click chemistry technique. <i>Polymer Chemistry</i> , 2020, 11, 900-908.	1.9	18
85	Ether-Linked Diamine Carboxylate Ionic Liquid Aqueous Solution for Efficient Absorption of SO ₂ . <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 16786-16794.	1.8	18
86	Stretchable, rapid self-healing guar gum-poly(acrylic acid) hydrogels as wearable strain sensors for human motion detection based on Janus graphene oxide. <i>International Journal of Biological Macromolecules</i> , 2021, 191, 627-636.	3.6	18
87	Self-healing and tough GO-supported hydrogels prepared via surface-initiated ATRP and photocatalytic modification. <i>New Journal of Chemistry</i> , 2019, 43, 3099-3110.	1.4	17
88	Efficient and Reversible Nitric Oxide Absorption by Low-Viscosity, Azole-Derived Deep Eutectic Solvents. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 3068-3077.	1.0	17
89	Highly efficient and reversible CO ₂ capture by imidazolate-based ether-functionalized ionic liquids with a capture transforming process. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 69, 85-92.	2.7	16
90	Synthesis of a hypercrosslinked, ionic, mesoporous polymer monolith and its application in deep oxidative desulfurization. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46280.	1.3	16

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91	Highly Efficient and Reversible Absorption of SO ₂ from Flue Gas Using Diamino Polycarboxylate Protic Ionic Liquid Aqueous Solutions. <i>Energy & Fuels</i> , 2019, 33, 8937-8945.	2.5	16
92	Surface-initiated PET-ATRP and mussel-inspired chemistry for surface engineering of MWCNTs and application in self-healing nanocomposite hydrogels. <i>Materials Science and Engineering C</i> , 2020, 109, 110553.	3.8	16
93	Visible-light induced CoMoO ₄ @Bi ₂ MoO ₆ heterojunction membrane with attractive photocatalytic property and high precision separation toward oil-in-water emulsion. <i>Separation and Purification Technology</i> , 2021, 277, 119568.	3.9	16
94	Nanocomposite Hybrid Biomass Hydrogels as Flexible Strain Sensors with Self-Healing Ability in Harsh Environments. <i>ACS Applied Polymer Materials</i> , 2022, 4, 1626-1635.	2.0	16
95	RAFT-mediated Pickering emulsion polymerization with cellulose nanocrystals grafted with random copolymer as stabilizer. <i>RSC Advances</i> , 2018, 8, 28660-28667.	1.7	14
96	Surface-initiated photoinduced electron transfer ATRP and mussel-inspired chemistry: Surface engineering of graphene oxide for self-healing hydrogels. <i>Reactive and Functional Polymers</i> , 2020, 150, 104547.	2.0	14
97	Steam generation by LaB ₆ nanoparticles through photothermal energy conversion. <i>Journal of the American Ceramic Society</i> , 2020, 103, 3466-3472.	1.9	14
98	Double-salt ionic liquid derived facilitated transport membranes for ethylene/ethane separation. <i>Journal of Membrane Science</i> , 2021, 639, 119773.	4.1	13
99	SO ₂ Capture Using pH-Buffered Aqueous Solutions of Protic Triamine-Based Ionic Liquid. <i>Energy & Fuels</i> , 2017, 31, 4193-4201.	2.5	12
100	Visible light-induced metal-free atom transfer radical polymerization: An efficient approach to polyacrylonitrile. <i>Journal of Polymer Science Part A</i> , 2019, 57, 1265-1269.	2.5	12
101	PEGylated copper(II)-chelated polydopamine nanocomposites for photothermal-enhanced chemodynamic therapy against tumor cells. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51172.	1.3	11
102	Enrichment of CO from syngas with Cu(I)Y adsorbent by five-bed VPSA. <i>Frontiers of Chemical Science and Engineering</i> , 2013, 7, 472-481.	2.3	10
103	Nanocomposite Foam Involving Boron Nitride Nanoplatelets and Polycaprolactone: Porous Structures with Multiple Length Scales for Oil Spill Cleanup. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 14670-14677.	1.8	10
104	Design of multiple-site imidazole derivative aqueous solution for SO ₂ capture in low concentration. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 91, 441-448.	2.7	10
105	Combined experimental and DFT study on the adsorption of Co(II) and Zn(II) from fuel ethanol by Schiff base decorated magnetic Fe ₃ O ₄ composites. <i>Microchemical Journal</i> , 2019, 151, 104220.	2.3	10
106	Zn-assisted synthesis of high-performance adsorbent for methylene blue. <i>Advanced Powder Technology</i> , 2019, 30, 1174-1182.	2.0	10
107	Self-healing nanocomposite hydrogels via Janus nanosheets: Multiple effects of metal-guest interactions. <i>Reactive and Functional Polymers</i> , 2021, 165, 104963.	2.0	10
108	Oxygen Vacancy Engineering of Molybdenum Oxide Nanobelts by Fe Ion Intercalation for Aerobic Oxidative Desulfurization. <i>ACS Applied Nano Materials</i> , 2021, 4, 13379-13387.	2.4	10

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109	Facile fabrication of a controlled polymer brush-type functional nanoprobe for highly sensitive determination of alpha fetoprotein. <i>Analytical Methods</i> , 2020, 12, 4438-4446.	1.3	9
110	Fabrication of self-healing nanocomposite hydrogels with the cellulose nanocrystals-based Janus hybrid nanomaterials. <i>International Journal of Biological Macromolecules</i> , 2021, 184, 259-270.	3.6	9
111	Customized facilitated transport membranes by mixed strategy for ethylene/ethane separation. <i>Separation and Purification Technology</i> , 2021, 277, 119484.	3.9	9
112	A facile and economic route assisted by trace tannic acid to construct a high-performance thin film composite NF membrane for desalination. <i>Environmental Science: Water Research and Technology</i> , 2021, 7, 956-968.	1.2	9
113	Wearable Flexible Sensors for Human Motion Detection with Self-Healing, Tough Guar Gum-Hydrogels of GO-P4VPBA/PDA Janus Nanosheets. <i>ACS Applied Polymer Materials</i> , 2022, 4, 3394-3407.	2.0	9
114	Solid-shelled microemulsion with capabilities of confinement-induced release for improving permeability of reservoirs. <i>Chemical Engineering Journal</i> , 2017, 323, 243-251.	6.6	7
115	Fabrication of nanoprobe via AGET ATRP and photocatalytic modification for highly sensitive detection of Hg(II). <i>Reactive and Functional Polymers</i> , 2019, 138, 70-78.	2.0	7
116	Surface modification of cellulose nanocrystals via SI-AGET ATRP and application in waterborne coating for removing of formaldehyde. <i>Carbohydrate Polymers</i> , 2022, 277, 118851.	5.1	6
117	Synthesis and Properties of Self-healing Metallopolymers with 5-Vinyltetrazole Units and Zn(II). <i>Macromolecular Research</i> , 2019, 27, 96-104.	1.0	5
118	Recyclable Bio-Based Photoredox Catalyst in Metal-Free Atom Transfer Radical Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2021, 222, 2000406.	1.1	5
119	Nanocomposite hydrogels enhanced by cellulose nanocrystal-stabilized Pickering emulsions with self-healing performance in subzero environment. <i>Cellulose</i> , 2021, 28, 9241-9252.	2.4	5
120	Surface engineering of cellulose nanocrystals via SI-AGET ATRP of glycidyl methacrylate and ring-opening reaction for fabricating self-healing nanocomposite hydrogels. <i>Cellulose</i> , 2021, 28, 9785-9801.	2.4	5
121	Fabrication of Janus-type nanocomposites from cellulose nanocrystals for self-healing hydrogels TM flexible sensors. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 216, 112554.	2.5	5
122	Ultra-stable copper decorated deep eutectic solvent based supported liquid membranes for olefin/paraffin separation: In-depth study of carrier stability. <i>Journal of Membrane Science</i> , 2022, 659, 120775.	4.1	5
123	An efficient method for the synthesis of a polymer brush via click chemistry and its ultrasensitive electrochemical detection of AFP. <i>Analytical Methods</i> , 2018, 10, 2390-2397.	1.3	4
124	Solid-shelled microspheres loaded with solvent as diluents for extracting blockages by heavy-oil and asphaltene precipitates. <i>Fuel</i> , 2018, 234, 656-663.	3.4	4
125	Microwave-Assisted Reversible Coordination-Mediated Polymerization for Self-Healing Hybrid Materials: RGO@PDA Simultaneous as Catalyst and Nanocomposites in One-Pot. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1900477.	1.7	4
126	Integrated LaB ₆ /g-C ₃ N ₄ solar absorber for solving dye accumulation during solar steam generation. <i>Journal of the American Ceramic Society</i> , 2022, 105, 801-805.	1.9	4

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127	Visible light-driven acridone catalysis for atom transfer radical polymerization. <i>Journal of Polymer Science</i> , 2022, 60, 1588-1594.	2.0	4
128	Adsorption-Desorption Behaviors of Methanol and Ethyl Acetate on Silica Gel: Modeling and Experimental Tests. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 1829-1838.	1.8	3
129	Deep Eutectic Solvent Membranes Designed by the Same-Anion Strategy for Highly Efficient Ethylene/Ethane Separation. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 4002-4012.	3.2	3
130	pH-Responsive and Buffering Macromolecule Aqueous Absorbent and Mathematic Model-Based Feasibility Evaluation for SO ₂ Capture. <i>Transactions of Tianjin University</i> , 2019, 25, 226-236.	3.3	2
131	Tailoring LaB_{6} nanoparticle-based self-healing film for heat-shielding window. <i>Bulletin of Materials Science</i> , 2020, 43, 1.	0.8	2
132	Ultra low-cost and bio-sustainable carbonized green algae for wastewater purification in gold smelting industry. <i>Environmental Science and Pollution Research</i> , 2022, 29, 22082-22092.	2.7	2
133	Facile preparation of multiphosponic acid functionalised multi-walled carbon nanotubes for enhanced adsorption properties for heavy metal ions from wastewaters. <i>Micro and Nano Letters</i> , 2020, 15, 703-708.	0.6	1
134	Effective removal of lead ions from wastewater using multi-walled carbon nanotubes functionalized by organophosphonic acid. , 0, 218, 327-344.		0