Pedram Fatehi

List of Publications by Year
in descending order

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419 papers	24,953 citations	4942 84 h-index	10708 138 g-index
429 all docs	429 docs citations	429 times ranked	19956 citing authors

#	Article	IF	Citations
1	Transitionâ€Metal (Fe, Co, Ni) Based Metalâ€Organic Frameworks for Electrochemical Energy Storage. Advanced Energy Materials, 2017, 7, 1602733.	10.2	711
2	Transition Metal Sulfides Based on Graphene for Electrochemical Energy Storage. Advanced Energy Materials, 2018, 8, 1703259.	10.2	679
3	Production and Application of Lignosulfonates and Sulfonated Lignin. ChemSusChem, 2017, 10, 1861-1877.	3.6	496
4	A highly alkaline-stable metal oxide@metalâ€“organic framework composite for high-performance electrochemical energy storage. National Science Review, 2020, 7, 305-314.	4.6	487
5	Rechargeable zincâ€“air batteries: a promising way to green energy. Journal of Materials Chemistry A, 2017, 5, 7651-7666.	5.2	432
6	Facile synthesis of an accordion-like Ni-MOF superstructure for high-performance flexible supercapacitors. Journal of Materials Chemistry A, 2016, 4, 19078-19085.	5.2	411
7	Transition metal oxides with one-dimensional/one-dimensional-analogue nanostructures for advanced supercapacitors. Journal of Materials Chemistry A, 2017, 5, 8155-8186.	5.2	394
8	Applications of Metalâ€“Organicâ€Frameworkâ€Derived Carbon Materials. Advanced Materials, 2019, 31, e1804740.	11.1	369
9	Ultrathin Nickelâ€“Cobalt Phosphate 2D Nanosheets for Electrochemical Energy Storage under Aqueous/Solidâ€State Electrolyte. Advanced Functional Materials, 2017, 27, 1605784.	7.8	368
10	Rational Design and General Synthesis of Multimetallic Metalâ€“Organic Framework Nanoâ€Octahedra for Enhanced Liâ€“S Battery. Advanced Materials, 2021, 33, e2105163.	11.1	324
11	Encapsulating highly catalytically active metal nanoclusters inside porous organic cages. Nature Catalysis, 2018, 1, 214-220.	16.1	310
12	Nitrogenâ€Doped Cobalt Oxide Nanostructures Derived from Cobaltâ€“Alanine Complexes for Highâ€Performance Oxygen Evolution Reactions. Advanced Functional Materials, 2018, 28, 1800886.	7.8	302
13	Ligninâ€“carbohydrate complexes: properties, applications, analyses, and methods of extraction: a review. Biotechnology for Biofuels, 2018, 11, 269.	6.2	302
14	MOFâ€Derived Metal Oxide Composites for Advanced Electrochemical Energy Storage. Small, 2018, 14, e1704435.	5.2	297
15	MXeneâ€Copper/Cobalt Hybrids via Lewis Acidic Molten Salts Etching for High Performance Symmetric Supercapacitors. Angewandte Chemie - International Edition, 2021, 60, 25318-25322.	7.2	295
16	Metalâ€“organic framework composites and their electrochemical applications. Journal of Materials Chemistry A, 2019, 7, 7301-7327.	5.2	284
17	High performance electrochemical capacitor materials focusing on nickel based materials. Inorganic Chemistry Frontiers, 2016, 3, 175-202.	3.0	283
18	Nanoparticle/MOF composites: preparations and applications. Materials Horizons, 2017, 4, 557-569.	6.4	262

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19	Metalâ€“organic frameworks for lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2019, 7, 3469-3491.	5.2	259
20	In Situ Anchoring Polymetallic Phosphide Nanoparticles within Porous Prussian Blue Analogue Nanocages for Boosting Oxygen Evolution Catalysis. Nano Letters, 2021, 21, 3016-3025.	4.5	250
21	Ultrathin two-dimensional cobaltâ€“organic framework nanosheets for high-performance electrocatalytic oxygen evolution. Journal of Materials Chemistry A, 2018, 6, 22070-22076.	5.2	249
22	A Review of MOFs and Their Compositesâ€Based Photocatalysts: Synthesis and Applications. Advanced Functional Materials, 2021, 31, 2104231.	7.8	243
23	Superlong Single-Crystal Metalâ€“Organic Framework Nanotubes. Journal of the American Chemical Society, 2018, 140, 15393-15401.	6.6	230
24	A Simple Approach to Boost Capacitance: Flexible Supercapacitors Based on Manganese Oxides@MOFs via Chemically Induced In Situ Selfâ€Transformation. Advanced Materials, 2016, 28, 5242-5248.	11.1	229
25	Ni and NiO Nanoparticles Decorated Metalâ€“Organic Framework Nanosheets: Facile Synthesis and High-Performance Nonenzymatic Glucose Detection in Human Serum. ACS Applied Materials & Interfaces, 2017, 9, 22342-22349.	4.0	229
26	Metalâ€Organic Frameworks/Grapheneâ€Based Materials: Preparations and Applications. Advanced Functional Materials, 2018, 28, 1804950.	7.8	219
27	Carbon nanotube-based materials for lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2019, 7, 17204-17241.	5.2	214
28	In Situ Growth of Threeâ€Dimensional MXene/Metalâ€“Organic Framework Composites for Highâ€Performance Supercapacitors. Angewandte Chemie - International Edition, 2022, 61, .	7.2	211
29	MILâ€96â€Al for Liâ€“S Batteries: Shape or Size?. Advanced Materials, 2022, 34, e2107836.	11.1	205
30	Graphitic carbon nitride based materials for electrochemical energy storage. Journal of Materials Chemistry A, 2019, 7, 901-924.	5.2	178
31	Ultrafast adsorption of heavy metal ions onto functionalized lignin-based hybrid magnetic nanoparticles. Chemical Engineering Journal, 2019, 372, 82-91.	6.6	176
32	Metalâ€Organic Frameworkâ€Derived Carbons for Battery Applications. Advanced Energy Materials, 2018, 8, 1800716.	10.2	174
33	Dual-ligand and hard-soft-acid-base strategies to optimize metal-organic framework nanocrystals for stable electrochemical cycling performance. National Science Review, 2022, 9, .	4.6	171
34	Metal (M = Co, Ni) phosphate based materials for high-performance supercapacitors. Inorganic Chemistry Frontiers, 2018, 5, 11-28.	3.0	169
35	Twoâ€Dimensional MOF and COF Nanosheets: Synthesis and Applications in Electrochemistry. Chemistry - A European Journal, 2020, 26, 6402-6422.	1.7	168
36	Facile Synthesis of Vanadium Metalâ€Organic Frameworks for Highâ€Performance Supercapacitors. Small, 2018, 14, e1801815.	5.2	167

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37	N,S co-doped 3D mesoporous carbonâ€“Co₃Si₂O₅(OH)₄ architectures for high-performance flexible pseudo-solid-state supercapacitors. Journal of Materials Chemistry A, 2017, 5, 12774-12781.	5.2	160
38	Applications of Tin Sulfideâ€Based Materials in Lithiumâ€Ion Batteries and Sodiumâ€Ion Batteries. Advanced Functional Materials, 2020, 30, 2001298.	7.8	154
39	Noble metal-based materials in high-performance supercapacitors. Inorganic Chemistry Frontiers, 2017, 4, 33-51.	3.0	151
40	Syntheses and Energy Storage Applications of M_xS_y (M = Cu, Ag,) Tj ETQq0 0 0 rgBT /Overlock Materials, 2017, 27, 1703949.	7.8	142
41	Recent Progress in Some Amorphous Materials for Supercapacitors. Small, 2018, 14, e1800426.	5.2	140
42	Redox-active triazatruxene-based conjugated microporous polymers for high-performance supercapacitors. Chemical Science, 2017, 8, 2959-2965.	3.7	136
43	Polypyrrole coated hollow metalâ€“organic framework composites for lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2019, 7, 19465-19470.	5.2	136
44	High performance of electrochemical lithium storage batteries: ZnO-based nanomaterials for lithium-ion and lithiumâ€“sulfur batteries. Nanoscale, 2016, 8, 18578-18595.	2.8	134
45	Grafting strategies for hydroxy groups of lignin for producing materials. Green Chemistry, 2019, 21, 5714-5752.	4.6	134
46	Recent development of biomass-derived carbons and composites as electrode materials for supercapacitors. Materials Chemistry Frontiers, 2019, 3, 2543-2570.	3.2	130
47	The application of CeO₂-based materials in electrocatalysis. Journal of Materials Chemistry A, 2019, 7, 17675-17702.	5.2	128
48	The synthesis and electrochemical applications of coreâ€“shell MOFs and their derivatives. Journal of Materials Chemistry A, 2019, 7, 15519-15540.	5.2	126
49	Fabrication, characteristics and applications of carbon materials with different morphologies and porous structures produced from wood liquefaction: A review. Chemical Engineering Journal, 2019, 364, 226-243.	6.6	125
50	Applications of Cellulose-based Materials in Sustained Drug Delivery Systems. Current Medicinal Chemistry, 2019, 26, 2485-2501.	1.2	120
51	Amorphous Intermediate Derivative from ZIFâ€67 and Its Outstanding Electrocatalytic Activity. Small, 2020, 16, e1904252.	5.2	120
52	A biomimetic chiral-driven ionic gate constructed by pillar[6]arene-based hostâ€“guest systems. Nature Communications, 2018, 9, 2617.	5.8	119
53	Smart Yolk/Shell ZIF-67@POM Hybrids as Efficient Electrocatalysts for the Oxygen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2019, 7, 5027-5033.	3.2	119
54	Design of hollow carbon-based materials derived from metalâ€“organic frameworks for electrocatalysis and electrochemical energy storage. Journal of Materials Chemistry A, 2021, 9, 3880-3917.	5.2	117

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55	In Situ Synthesis of MOFâ€74 Family for High Areal Energy Density of Aqueous Nickelâ€“Zinc Batteries. Advanced Materials, 2022, 34, e2201779.	11.1	117
56	Tungstenâ€Based Materials for Lithiumâ€Ion Batteries. Advanced Functional Materials, 2018, 28, 1707500.	7.8	114
57	Coreâ€“shell-type ZIF-8@ZIF-67@POM hybrids as efficient electrocatalysts for the oxygen evolution reaction. Inorganic Chemistry Frontiers, 2019, 6, 2514-2520.	3.0	113
58	A novel strategy for the synthesis of highly stable ternary SiO_x composites for Li-ion-battery anodes. Journal of Materials Chemistry A, 2019, 7, 15969-15974.	5.2	112
59	Separation of lignocellulosic materials by combined processes of pre-hydrolysis and ethanol extraction. Bioresource Technology, 2011, 102, 1264-1269.	4.8	111
60	Fabrication of Metal Molybdate Micro/Nanomaterials for Electrochemical Energy Storage. Small, 2017, 13, 1700917.	5.2	110
61	When Conductive MOFs Meet MnO₂: High Electrochemical Energy Storage Performance in an Aqueous Asymmetric Supercapacitor. ACS Applied Materials & Interfaces, 2021, 13, 33083-33090.	4.0	109
62	Nanostructured Germanium Anode Materials for Advanced Rechargeable Batteries. Advanced Materials Interfaces, 2017, 4, 1600798.	1.9	107
63	Facile Synthesis of Ultrathin Nickelâ€“Cobalt Phosphate 2D Nanosheets with Enhanced Electrocatalytic Activity for Glucose Oxidation. ACS Applied Materials & Interfaces, 2018, 10, 2360-2367.	4.0	106
64	Anchoring ZIF-67 particles on amidoximerized polyacrylonitrile fibers for radionuclide sequestration in wastewater and seawater. Journal of Hazardous Materials, 2020, 395, 122692.	6.5	104
65	Exposing {001} Crystal Plane on Hexagonal Niâ€MOF with Surfaceâ€Grown Crossâ€Linked Meshâ€Structures for Electrochemical Energy Storage. Small, 2019, 15, e1902463.	5.2	103
66	Metal/Graphitic Carbon Nitride Composites: Synthesis, Structures, and Applications. Chemistry - an Asian Journal, 2016, 11, 3305-3328.	1.7	102
67	Recent advancements in the production of hydroxymethylfurfural. RSC Advances, 2014, 4, 2037-2050.	1.7	101
68	Preparation of cationic softwood kraft lignin and its application in dye removal. European Polymer Journal, 2015, 67, 335-345.	2.6	101
69	A Honeycombâ€Like Bulk Superstructure of Carbon Nanosheets for Electrocatalysis and Energy Storage. Angewandte Chemie - International Edition, 2020, 59, 19627-19632.	7.2	100
70	Water soluble kraft ligninâ€“acrylic acid copolymer: synthesis and characterization. Green Chemistry, 2015, 17, 4355-4366.	4.6	99
71	Current Advances in Semiconductor Nanomaterialâ€Based Photoelectrochemical Biosensing. Chemistry - A European Journal, 2018, 24, 14010-14027.	1.7	97
72	Uniform manganese hexacyanoferrate hydrate nanocubes featuring superior performance for low-cost supercapacitors and nonenzymatic electrochemical sensors. Nanoscale, 2015, 7, 16012-16019.	2.8	95

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73	Si-based materials derived from biomass: synthesis and applications in electrochemical energy storage. Journal of Materials Chemistry A, 2019, 7, 22123-22147.	5.2	95
74	Production of carboxymethylated lignin and its application as a dispersant. European Polymer Journal, 2015, 70, 371-383.	2.6	94
75	Production of Water-Soluble Hardwood Kraft Lignin via Sulfomethylation Using Formaldehyde and Sodium Sulfite. ACS Sustainable Chemistry and Engineering, 2015, 3, 1172-1182.	3.2	94
76	Ï€â€Conjugated Molecule Boosts Metalâ€“Organic Frameworks as Efficient Oxygen Evolution Reaction Catalysts. Small, 2018, 14, e1803576.	5.2	94
77	Applications of Metalâ€Organic Frameworks in Water Treatment: A Review. Small, 2022, 18, e2105715.	5.2	94
78	Hollow Structural Transition Metal Oxide for AdvancedÂSupercapacitors. Advanced Materials Interfaces, 2018, 5, 1701509.	1.9	93
79	A combined acidification/PEO flocculation process to improve the lignin removal from the pre-hydrolysis liquor of kraft-based dissolving pulp production process. Bioresource Technology, 2011, 102, 5177-5182.	4.8	92
80	Hierarchically nanostructured transition metal oxides for supercapacitors. Science China Materials, 2018, 61, 185-209.	3.5	90
81	Facile synthesis of amorphous aluminum vanadate hierarchical microspheres for supercapacitors. Inorganic Chemistry Frontiers, 2016, 3, 791-797.	3.0	88
82	Technical lignin and its potential modification routes: A mini-review. Industrial Crops and Products, 2020, 154, 112732.	2.5	88
83	Small sized Feâ€“Co sulfide nanoclusters anchored on carbon for oxygen evolution. Journal of Materials Chemistry A, 2019, 7, 15851-15861.	5.2	87
84	Copolymer derived micro/meso-porous carbon nanofibers with vacancy-type defects for high-performance supercapacitors. Journal of Materials Chemistry A, 2020, 8, 2463-2471.	5.2	86
85	Quasi-ZIF-67 for Boosted Oxygen Evolution Reaction Catalytic Activity via a Low Temperature Calcination. ACS Applied Materials & Interfaces, 2020, 12, 25037-25041.	4.0	86
86	Metalâ€Organic Frameworks Nanocomposites with Different Dimensionalities for Energy Conversion and Storage. Advanced Energy Materials, 2022, 12, 2100346.	10.2	86
87	Pillared-layer Ni-MOF nanosheets anchored on Ti3C2 MXene for enhanced electrochemical energy storage. Journal of Colloid and Interface Science, 2022, 614, 130-137.	5.0	86
88	A new strategy for the controllable growth of MOF@PBA architectures. Journal of Materials Chemistry A, 2019, 7, 17266-17271.	5.2	80
89	Ultrathin Cu-MOF@Î´-MnO₂ nanosheets for aqueous electrolyte-based high-voltage electrochemical capacitors. Journal of Materials Chemistry A, 2018, 6, 17329-17336.	5.2	79
90	Clean utilization of palm kernel shell: sustainable and naturally heteroatom-doped porous activated carbon for lithiumâ€“sulfur batteries. Rare Metals, 2020, 39, 1099-1106.	3.6	79

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91	Dual anode materials for lithium- and sodium-ion batteries. Journal of Materials Chemistry A, 2018, 6, 4236-4259.	5.2	78
92	Applications of MxSey (Mâ€‰=â€‰Fe, Co, Ni) and Their Composites in Electrochemical Energy Storage and Conversion. Nano-Micro Letters, 2019, 11, 40.	14.4	78
93	Pristine Transitionâ€Metalâ€Based Metalâ€Organic Frameworks for Electrocatalysis. ChemElectroChem, 2019, 6, 1273-1299.	1.7	78
94	Synthesis of â€œQuasi-Ce-MOFâ€•Electrocatalysts for Enhanced Urea Oxidation Reaction Performance. ACS Sustainable Chemistry and Engineering, 2020, 8, 8675-8680.	3.2	78
95	Sulfomethylated kraft lignin as a flocculant for cationic dye. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 503, 19-27.	2.3	77
96	Synthetic and lignin-based surfactants: Challenges and opportunities. Carbon Resources Conversion, 2018, 1, 126-138.	3.2	76
97	Isolation and cationization of hemicelluloses from pre-hydrolysis liquor of kraft-based dissolving pulp production process. Biomass and Bioenergy, 2011, 35, 1789-1796.	2.9	73
98	Ultrathin Nanobelts as an Excellent Bifunctional Oxygen Catalyst: Insight into the Subtle Changes in Structure and Synergistic Effects of Bimetallic Metalâ€“Organic Framework. Small Methods, 2018, 2, 1800240.	4.6	73
99	Vanadium sulfide based materials: synthesis, energy storage and conversion. Journal of Materials Chemistry A, 2020, 8, 20781-20802.	5.2	73
100	Manipulation of Mottâ^'Schottky Ni/CeO₂ Heterojunctions into Nâ€Doped Carbon Nanofibers for Highâ€Efficiency Electrochemical Water Splitting. Small, 2022, 18, e2106592.	5.2	73
101	Production of Flocculants, Adsorbents, and Dispersants from Lignin. Molecules, 2018, 23, 868.	1.7	72
102	Different positive electrode materials in organic and aqueous systems for aluminium ion batteries. Journal of Materials Chemistry A, 2019, 7, 14391-14418.	5.2	72
103	Fabrication Methods of Porous Carbon Materials and Separator Membranes for Lithiumâ€“Sulfur Batteries: Development and Future Perspectives. Small Methods, 2017, 1, 1700089.	4.6	69
104	Porous pyrrhotite Fe7S8 nanowire/SiO /nitrogen-doped carbon matrix for high-performance Li-ion-battery anodes. Journal of Colloid and Interface Science, 2020, 561, 801-807.	5.0	69
105	Oxidation of Kraft Lignin with Hydrogen Peroxide and its Application as a Dispersant for Kaolin Suspensions. ACS Sustainable Chemistry and Engineering, 2017, 5, 10597-10605.	3.2	67
106	Cobaltâ€Doped Nickel Phosphite for High Performance of Electrochemical Energy Storage. Small, 2018, 14, e1703811.	5.2	66
107	Synthesis and Progress of New Oxygenâ€Vacant Electrode Materials for Highâ€Energy Rechargeable Battery Applications. Small, 2018, 14, e1802193.	5.2	66
108	Porous rod-like Ni2P/Ni assemblies for enhanced urea electrooxidation. Nano Research, 2021, 14, 1405-1412.	5.8	65

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109	Metalâ€“Organic Frameworkâ€Based Hybrid Frameworks. Small Structures, 2021, 2, 2000078.	6.9	65
110	Biopolymers for surface engineering of paper-based products. Cellulose, 2014, 21, 3145-3160.	2.4	64
111	Lignin for polymer and nanoparticle production: Current status and challenges. Canadian Journal of Chemical Engineering, 2019, 97, 2827-2842.	0.9	64
112	Bimetallic Metalâ€Organic Framework with Highâ€Adsorption Capacity toward Lithium Polysulfides for Lithiumâ€“sulfur Batteries. Energy and Environmental Materials, 2022, 5, 599-607.	7.3	64
113	Preparation of sulfomethylated softwood kraft lignin as a dispersant for cement admixture. RSC Advances, 2015, 5, 47031-47039.	1.7	63
114	Novel Process for Generating Cationic Lignin Based Flocculant. Industrial & Engineering Chemistry Research, 2018, 57, 6595-6608.	1.8	63
115	Fabrication of Cu₂Oâ€based Materials for Lithiumâ€Ion Batteries. ChemSusChem, 2018, 11, 1581-1599.	3.6	62
116	Atomically Dispersed Mo Sites Anchored on Multichannel Carbon Nanofibers toward Superior Electrocatalytic Hydrogen Evolution. ACS Nano, 2021, 15, 20032-20041.	7.3	62
117	Production of cationic xylanâ€“METAC copolymer as a flocculant for textile industry. Carbohydrate Polymers, 2015, 124, 229-236.	5.1	61
118	Enhanced Electrochemical Performance of Sb2O3 as an Anode for Lithium-Ion Batteries by a Stable Cross-Linked Binder. Applied Sciences (Switzerland), 2019, 9, 2677.	1.3	59
119	Synthetic methods and electrochemical applications for transition metal phosphide nanomaterials. RSC Advances, 2016, 6, 87188-87212.	1.7	58
120	Tin-based nanomaterials for electrochemical energy storage. RSC Advances, 2016, 6, 95449-95468.	1.7	58
121	Derivatives of coordination compounds for rechargeable batteries. Journal of Materials Chemistry A, 2018, 6, 13999-14024.	5.2	58
122	Ni/Co bimetallic organic framework nanosheet assemblies for high-performance electrochemical energy storage. Nanoscale, 2020, 12, 10685-10692.	2.8	58
123	Promoting performance of lithiumâ€“sulfur battery via in situ sulfur reduced graphite oxide coating. Rare Metals, 2021, 40, 417-424.	3.6	58
124	Interfacial Engineeringâ€Triggered Bifunctionality of CoS₂/MoS₂ Nanocubes/Nanosheet Arrays for Highâ€Efficiency Overall Water Splitting. ChemSusChem, 2021, 14, 699-708.	3.6	58
125	Removal of inhibitors from pre-hydrolysis liquor of kraft-based dissolving pulp production process using adsorption and flocculation processes. Bioresource Technology, 2012, 116, 492-496.	4.8	57
126	Adsorption of lignocelluloses of model pre-hydrolysis liquor on activated carbon. Bioresource Technology, 2013, 131, 308-314.	4.8	57

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127	One Dimensional Silverâ€based Nanomaterials: Preparations and Electrochemical Applications. Small, 2017, 13, 1701091.	5.2	56
128	Chitosan as a flocculant for pre-hydrolysis liquor of kraft-based dissolving pulp production process. Carbohydrate Polymers, 2011, 86, 1630-1636.	5.1	55
129	Lignin-derived platform molecules through TEMPO catalytic oxidation strategies. Progress in Energy and Combustion Science, 2019, 72, 59-89.	15.8	55
130	Nitrogen-, phosphorus-doped carbonâ€“carbon nanotube CoP dodecahedra by controlling zinc content for high-performance electrocatalytic oxygen evolution. Rare Metals, 2020, 39, 680-687.	3.6	55
131	Pyridine-modulated Ni/Co bimetallic metal-organic framework nanoplates for electrocatalytic oxygen evolution. Science China Materials, 2021, 64, 137-148.	3.5	55
132	Oxalate-derived porous prismatic nickel/nickel oxide nanocomposites toward lithium-ion battery. Journal of Colloid and Interface Science, 2020, 580, 614-622.	5.0	54
133	Controllable synthesis of a mesoporous NiO/Ni nanorod as an excellent catalyst for urea electro-oxidation. Inorganic Chemistry Frontiers, 2020, 7, 2089-2096.	3.0	54
134	Enhancing Ion Transport: Function of Ionic Liquid Decorated MOFs in Polymer Electrolytes for All-Solid-State Lithium Batteries. ACS Applied Energy Materials, 2020, 3, 4265-4274.	2.5	54
135	Recent progress of dimensionally designed electrode nanomaterials in aqueous electrochemical energy storage. Journal of Materials Chemistry A, 2021, 9, 9535-9572.	5.2	54
136	Biowaste-Derived Porous Carbon with Tuned Microstructure for High-Energy Quasi-Solid-State Supercapacitors. ACS Sustainable Chemistry and Engineering, 2019, 7, 13127-13135.	3.2	53
137	From Co-MOF to CoNi-MOF to Ni-MOF: A Facile Synthesis of 1D Micro-/Nanomaterials. Inorganic Chemistry, 2021, 60, 13168-13176.	1.9	53
138	Activated graphene with tailored pore structure parameters for long cycle-life lithiumâ€“sulfur batteries. Nano Research, 2017, 10, 4305-4317.	5.8	52
139	Specific-oxygen-supply functionalized core-shell nanoparticles for smart mutual-promotion between photodynamic therapy and gambogic acid-induced chemotherapy. Biomaterials, 2020, 257, 120228.	5.7	52
140	In situ establishment of Co/MoS₂ heterostructures onto inverse opalâ€structured N,Sâ€doped carbon hollow nanospheres: Interfacial and architectural dual engineering for efficient hydrogen evolution reaction. SmartMat, 2021, 2, 591-602.	6.4	52
141	Strategies to improve electrochemical performances of pristine metalâ€organic frameworksâ€based electrodes for lithium/sodiumâ€ion batteries. SmartMat, 2021, 2, 488-518.	6.4	52
142	Synergy of CMC and modified chitosan on strength properties of cellulosic fiber network. Carbohydrate Polymers, 2010, 80, 208-214.	5.1	51
143	Recovery of lignocelluloses from pre-hydrolysis liquor in the lime kiln of kraft-based dissolving pulp production process by adsorption to lime mud. Bioresource Technology, 2011, 102, 10035-10039.	4.8	51
144	Synthesis and characterization of carboxymethylated xylan and its application as a dispersant. Carbohydrate Polymers, 2016, 146, 26-35.	5.1	51

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145	The Research Development of Quantum Dots in Electrochemical Energy Storage. Small, 2018, 14, e1801479.	5.2	50
146	Application of hemicelluloses precipitated via ethanol treatment of pre-hydrolysis liquor in high-yield pulp. Bioresource Technology, 2011, 102, 9613-9618.	4.8	49
147	Controllable synthesis of ultrathin layered transition metal hydroxide/zeolitic imidazolate framework-67 hybrid nanosheets for high-performance supercapacitors. Journal of Materials Chemistry A, 2021, 9, 11201-11209.	5.2	49
148	A High-Efficiency Electrocatalyst for Oxidizing Glucose: Ultrathin Nanosheet Co-Based Organic Framework Assemblies. ACS Sustainable Chemistry and Engineering, 2019, 7, 8986-8992.	3.2	48
149	Metalâ€“organic frameworkâ€derived phosphide nanomaterials for electrochemical applications. , 2022, 4, 246-281.		48
150	Porous high specific surface area-activated carbon with co-doping N, S and P for high-performance supercapacitors. RSC Advances, 2017, 7, 43780-43788.	1.7	47
151	Hardwood Kraft Lignin-Based Hydrogels: Production and Performance. ACS Omega, 2018, 3, 8233-8242.	1.6	47
152	Advances in the application of manganese dioxide and its composites as electrocatalysts for the oxygen evolution reaction. Journal of Materials Chemistry A, 2020, 8, 18492-18514.	5.2	47
153	MXenes nanocomposites for energy storage and conversion. Rare Metals, 2022, 41, 1101-1128.	3.6	47
154	Tall oil production from black liquor: Challenges and opportunities. Separation and Purification Technology, 2017, 175, 469-480.	3.9	45
155	Oneâ€“dimensional metalâ€“organic frameworks for electrochemical applications. Advances in Colloid and Interface Science, 2021, 298, 102562.	7.0	45
156	Interfacial Microenvironment Modulation Enhancing Catalytic Kinetics of Binary Metal Sulfides Heterostructures for Advanced Water Splitting Electrocatalysts. Small Methods, 2022, 6, e2101186.	4.6	45
157	Nickel Oxide/Graphene Composites: Synthesis and Applications. Chemistry - A European Journal, 2019, 25, 2141-2160.	1.7	44
158	Cationic kraft lignin-acrylamide copolymer as a flocculant for clay suspensions: (2) Charge density effect. Separation and Purification Technology, 2019, 210, 963-972.	3.9	44
159	NiO nanoparticles decorated hexagonal Nickel-based metal-organic framework: Self-template synthesis and its application in electrochemical energy storage. Journal of Colloid and Interface Science, 2021, 581, 709-718.	5.0	44
160	Canola straw chemimechanical pulping for pulp and paper production. Bioresource Technology, 2010, 101, 4193-4197.	4.8	43
161	Adsorption and dispersion performance of oxidized sulfomethylated kraft lignin in coal water slurry. Fuel Processing Technology, 2018, 176, 267-275.	3.7	43
162	Production of Flocculant from Thermomechanical Pulping Lignin via Nitric Acid Treatment. ACS Sustainable Chemistry and Engineering, 2016, 4, 1954-1962.	3.2	42

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163	Facile one-step synthesis of Ag@CeO₂coreâ€“shell nanospheres with efficient catalytic activity for the reduction of 4-nitrophenol. CrystEngComm, 2017, 19, 684-689.	1.3	42
164	Thermophilic membrane bioreactors: A review. Bioresource Technology, 2017, 243, 1180-1193.	4.8	42
165	Strong, ductile and biodegradable polylactic acid/lignin-containing cellulose nanofibril composites with improved thermal and barrier properties. Industrial Crops and Products, 2021, 171, 113898.	2.5	42
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