

# Pedram Fatehi

## List of Publications by Citations

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399  
papers

15,212  
citations

65  
h-index

106  
g-index

429  
ext. papers

20,189  
ext. citations

7.7  
avg, IF

7.72  
L-index

#	Paper	IF	Citations
399	Transition-Metal (Fe, Co, Ni) Based Metal-Organic Frameworks for Electrochemical Energy Storage. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1602733	21.8	582
398	Transition Metal Sulfides Based on Graphene for Electrochemical Energy Storage. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1703259	21.8	479
397	Rechargeable zinc-air batteries: a promising way to green energy. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 7651-7666	13	323
396	Transition metal oxides with one-dimensional/one-dimensional-analogue nanostructures for advanced supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 8155-8186	13	317
395	Production and Application of Lignosulfonates and Sulfonated Lignin. <i>ChemSusChem</i> , <b>2017</b> , 10, 1861-1873	13	307
394	Facile synthesis of an accordion-like Ni-MOF superstructure for high-performance flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 19078-19085	13	305
393	Ultrathin Nickel-Cobalt Phosphate 2D Nanosheets for Electrochemical Energy Storage under Aqueous/Solid-State Electrolyte. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1605784	15.6	297
392	A highly alkaline-stable metal oxide@metal-organic framework composite for high-performance electrochemical energy storage. <i>National Science Review</i> , <b>2020</b> , 7, 305-314	10.8	265
391	Nitrogen-Doped Cobalt Oxide Nanostructures Derived from Cobalt-Alanine Complexes for High-Performance Oxygen Evolution Reactions. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1800886	15.6	239
390	High performance electrochemical capacitor materials focusing on nickel based materials. <i>Inorganic Chemistry Frontiers</i> , <b>2016</b> , 3, 175-202	6.8	238
389	Encapsulating highly catalytically active metal nanoclusters inside porous organic cages. <i>Nature Catalysis</i> , <b>2018</b> , 1, 214-220	36.5	209
388	MOF-Derived Metal Oxide Composites for Advanced Electrochemical Energy Storage. <i>Small</i> , <b>2018</b> , 14, e1704435	11	193
387	A Simple Approach to Boost Capacitance: Flexible Supercapacitors Based on Manganese Oxides@MOFs via Chemically Induced In Situ Self-Transformation. <i>Advanced Materials</i> , <b>2016</b> , 28, 5242-824	24	190
386	Metal-organic framework composites and their electrochemical applications. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 7301-7327	13	186
385	Ultrathin two-dimensional cobalt-organic framework nanosheets for high-performance electrocatalytic oxygen evolution. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 22070-22076	13	182
384	Metal-organic frameworks for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 3469-3491	13	175
383	Nanoparticle/MOF composites: preparations and applications. <i>Materials Horizons</i> , <b>2017</b> , 4, 557-569	14.4	174

382	Lignin-carbohydrate complexes: properties, applications, analyses, and methods of extraction: a review. <i>Biotechnology for Biofuels</i> , <b>2018</b> , 11, 269	7.8	161
381	Metal-Organic Frameworks/Graphene-Based Materials: Preparations and Applications. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1804950	15.6	160
380	Ni and NiO Nanoparticles Decorated Metal-Organic Framework Nanosheets: Facile Synthesis and High-Performance Nonenzymatic Glucose Detection in Human Serum. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 22342-22349	9.5	154
379	Superlong Single-Crystal Metal-Organic Framework Nanotubes. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 15393-15401	16.4	153
378	N,S co-doped 3D mesoporous carbon <sub>3</sub> Si <sub>2</sub> O <sub>5</sub> (OH) <sub>4</sub> architectures for high-performance flexible pseudo-solid-state supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 12774-12781	13	137
377	Metal-Organic Framework-Derived Carbons for Battery Applications. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1800716	21.8	136
376	Applications of Metal-Organic-Framework-Derived Carbon Materials. <i>Advanced Materials</i> , <b>2019</b> , 31, e1804740	17.40	136
375	Facile Synthesis of Vanadium Metal-Organic Frameworks for High-Performance Supercapacitors. <i>Small</i> , <b>2018</b> , 14, e1801815	11	128
374	Syntheses and Energy Storage Applications of M <sub>x</sub> S <sub>y</sub> (M = Cu, Ag, Au) and Their Composites: Rechargeable Batteries and Supercapacitors. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1703949	15.6	126
373	Graphitic carbon nitride based materials for electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 901-924	13	120
372	Noble metal-based materials in high-performance supercapacitors. <i>Inorganic Chemistry Frontiers</i> , <b>2017</b> , 4, 33-51	6.8	117
371	Carbon nanotube-based materials for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 17204-17241	13	112
370	Metal (M = Co, Ni) phosphate based materials for high-performance supercapacitors. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 11-28	6.8	110
369	High performance of electrochemical lithium storage batteries: ZnO-based nanomaterials for lithium-ion and lithium-sulfur batteries. <i>Nanoscale</i> , <b>2016</b> , 8, 18578-18595	7.7	110
368	Redox-active triazatruxene-based conjugated microporous polymers for high-performance supercapacitors. <i>Chemical Science</i> , <b>2017</b> , 8, 2959-2965	9.4	103
367	Separation of lignocellulosic materials by combined processes of pre-hydrolysis and ethanol extraction. <i>Bioresource Technology</i> , <b>2011</b> , 102, 1264-9	11	101
366	Ultrafast adsorption of heavy metal ions onto functionalized lignin-based hybrid magnetic nanoparticles. <i>Chemical Engineering Journal</i> , <b>2019</b> , 372, 82-91	14.7	97
365	Polypyrrole coated hollow metal-organic framework composites for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 19465-19470	13	94

364	Nanostructured Germanium Anode Materials for Advanced Rechargeable Batteries. <i>Advanced Materials Interfaces</i> , <b>2017</b> , 4, 1600798	4.6	90
363	Applications of Tin Sulfide-Based Materials in Lithium-Ion Batteries and Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2001298	15.6	90
362	A novel strategy for the synthesis of highly stable ternary SiO <sub>x</sub> composites for Li-ion-battery anodes. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 15969-15974	13	89
361	Recent Progress in Some Amorphous Materials for Supercapacitors. <i>Small</i> , <b>2018</b> , 14, e1800426	11	88
360	Fabrication of Metal Molybdate Micro/Nanomaterials for Electrochemical Energy Storage. <i>Small</i> , <b>2017</b> , 13, 1700917	11	87
359	Recent advancements in the production of hydroxymethylfurfural. <i>RSC Advances</i> , <b>2014</b> , 4, 2037-2050	3.7	85
358	A biomimetic chiral-driven ionic gate constructed by pillar[6]arene-based host-guest systems. <i>Nature Communications</i> , <b>2018</b> , 9, 2617	17.4	85
357	Tungsten-Based Materials for Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1707500	15.6	80
356	Uniform manganese hexacyanoferrate hydrate nanocubes featuring superior performance for low-cost supercapacitors and nonenzymatic electrochemical sensors. <i>Nanoscale</i> , <b>2015</b> , 7, 16012-9	7.7	79
355	Recent development of biomass-derived carbons and composites as electrode materials for supercapacitors. <i>Materials Chemistry Frontiers</i> , <b>2019</b> , 3, 2543-2570	7.8	79
354	Facile Synthesis of Ultrathin Nickel-Cobalt Phosphate 2D Nanosheets with Enhanced Electrocatalytic Activity for Glucose Oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 2360-2367	9.5	77
353	A combined acidification/PEO flocculation process to improve the lignin removal from the pre-hydrolysis liquor of kraft-based dissolving pulp production process. <i>Bioresource Technology</i> , <b>2011</b> , 102, 5177-82	11	77
352	Fabrication, characteristics and applications of carbon materials with different morphologies and porous structures produced from wood liquefaction: A review. <i>Chemical Engineering Journal</i> , <b>2019</b> , 364, 226-243	14.7	75
351	Two-Dimensional MOF and COF Nanosheets: Synthesis and Applications in Electrochemistry. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 6402-6422	4.8	75
350	In Situ Anchoring Polymetallic Phosphide Nanoparticles within Porous Prussian Blue Analogue Nanocages for Boosting Oxygen Evolution Catalysis. <i>Nano Letters</i> , <b>2021</b> , 21, 3016-3025	11.5	75
349	Water soluble kraft lignin-acrylic acid copolymer: synthesis and characterization. <i>Green Chemistry</i> , <b>2015</b> , 17, 4355-4366	10	74
348	Production of Water-Soluble Hardwood Kraft Lignin via Sulfomethylation Using Formaldehyde and Sodium Sulfite. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2015</b> , 3, 1172-1182	8.3	74
347	Smart Yolk/Shell [email protected] Hybrids as Efficient Electrocatalysts for the Oxygen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 5027-5033	8.3	72

346	Preparation of cationic softwood kraft lignin and its application in dye removal. <i>European Polymer Journal</i> , <b>2015</b> , 67, 335-345	5.2	72
345	The synthesis and electrochemical applications of core-shell MOFs and their derivatives. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 15519-15540	13	70
344	Facile synthesis of amorphous aluminum vanadate hierarchical microspheres for supercapacitors. <i>Inorganic Chemistry Frontiers</i> , <b>2016</b> , 3, 791-797	6.8	70
343	MXene-Copper/Cobalt Hybrids via Lewis Acidic Molten Salts Etching for High Performance Symmetric Supercapacitors. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 25318-25322	16.4	70
342	Exposing {001} Crystal Plane on Hexagonal Ni-MOF with Surface-Grown Cross-Linked Mesh-Structures for Electrochemical Energy Storage. <i>Small</i> , <b>2019</b> , 15, e1902463	11	69
341	Metal/Graphitic Carbon Nitride Composites: Synthesis, Structures, and Applications. <i>Chemistry - an Asian Journal</i> , <b>2016</b> , 11, 3305-3328	4.5	69
340	Rational Design and General Synthesis of Multimetallic Metal-Organic Framework Nano-Octahedra for Enhanced Li-S Battery. <i>Advanced Materials</i> , <b>2021</b> , 33, e2105163	24	69
339	Production of carboxymethylated lignin and its application as a dispersant. <i>European Polymer Journal</i> , <b>2015</b> , 70, 371-383	5.2	66
338	Ultrathin Cu-MOF@MnO <sub>2</sub> nanosheets for aqueous electrolyte-based high-voltage electrochemical capacitors. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 17329-17336	13	66
337	Applications of Cellulose-based Materials in Sustained Drug Delivery Systems. <i>Current Medicinal Chemistry</i> , <b>2019</b> , 26, 2485-2501	4.3	65
336	Current Advances in Semiconductor Nanomaterial-Based Photoelectrochemical Biosensing. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 14010-14027	4.8	65
335	Dual anode materials for lithium- and sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 4236-4259	13	65
334	Amorphous Intermediate Derivative from ZIF-67 and Its Outstanding Electrocatalytic Activity. <i>Small</i> , <b>2020</b> , 16, e1904252	11	65
333	Sulfomethylated kraft lignin as a flocculant for cationic dye. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2016</b> , 503, 19-27	5.1	63
332	The application of CeO <sub>2</sub> -based materials in electrocatalysis. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 17675-17702	13	62
331	Hollow Structural Transition Metal Oxide for Advanced Supercapacitors. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1701509	4.6	62
330	Conjugated Molecule Boosts Metal-Organic Frameworks as Efficient Oxygen Evolution Reaction Catalysts. <i>Small</i> , <b>2018</b> , 14, e1803576	11	61
329	Copolymer derived micro/meso-porous carbon nanofibers with vacancy-type defects for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 2463-2471	13	60

328	Applications of MSe (M = Fe, Co, Ni) and Their Composites in Electrochemical Energy Storage and Conversion. <i>Nano-Micro Letters</i> , <b>2019</b> , 11, 40	19.5	59
327	Isolation and cationization of hemicelluloses from pre-hydrolysis liquor of kraft-based dissolving pulp production process. <i>Biomass and Bioenergy</i> , <b>2011</b> , 35, 1789-1796	5.3	59
326	Hierarchically nanostructured transition metal oxides for supercapacitors. <i>Science China Materials</i> , <b>2018</b> , 61, 185-209	7.1	58
325	Small sized FeCo sulfide nanoclusters anchored on carbon for oxygen evolution. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 15851-15861	13	57
324	Cobalt-Doped Nickel Phosphite for High Performance of Electrochemical Energy Storage. <i>Small</i> , <b>2018</b> , 14, e1703811	11	57
323	Grafting strategies for hydroxy groups of lignin for producing materials. <i>Green Chemistry</i> , <b>2019</b> , 21, 5714-5752	5.7	57
322	Ultrathin Nanobelts as an Excellent Bifunctional Oxygen Catalyst: Insight into the Subtle Changes in Structure and Synergistic Effects of Bimetallic Metal-Organic Framework. <i>Small Methods</i> , <b>2018</b> , 2, 1800240	12.8	57
321	A new strategy for the controllable growth of MOF@PBA architectures. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 17266-17271	13	54
320	Si-based materials derived from biomass: synthesis and applications in electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 22123-22147	13	53
319	Fabrication Methods of Porous Carbon Materials and Separator Membranes for Lithium-Sulfur Batteries: Development and Future Perspectives. <i>Small Methods</i> , <b>2017</b> , 1, 1700089	12.8	51
318	Anchoring ZIF-67 particles on amidoximerized polyacrylonitrile fibers for radionuclide sequestration in wastewater and seawater. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 395, 122692	12.8	51
317	Derivatives of coordination compounds for rechargeable batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 13999-14024	13	51
316	A Honeycomb-Like Bulk Superstructure of Carbon Nanosheets for Electrocatalysis and Energy Storage. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 19627-19632	16.4	50
315	Synthetic and lignin-based surfactants: Challenges and opportunities. <i>Carbon Resources Conversion</i> , <b>2018</b> , 1, 126-138	4.7	50
314	Production of Flocculants, Adsorbents, and Dispersants from Lignin. <i>Molecules</i> , <b>2018</b> , 23,	4.8	50
313	Core-shell-type ZIF-8@ZIF-67@POM hybrids as efficient electrocatalysts for the oxygen evolution reaction. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 2514-2520	6.8	50
312	Removal of inhibitors from pre-hydrolysis liquor of kraft-based dissolving pulp production process using adsorption and flocculation processes. <i>Bioresource Technology</i> , <b>2012</b> , 116, 492-6	11	50
311	A Review of MOFs and Their Composites-Based Photocatalysts: Synthesis and Applications. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2104231	15.6	50

310	Chitosan as a flocculant for pre-hydrolysis liquor of kraft-based dissolving pulp production process. <i>Carbohydrate Polymers</i> , <b>2011</b> , 86, 1630-1636	10.3	49
309	Oxidation of Kraft Lignin with Hydrogen Peroxide and its Application as a Dispersant for Kaolin Suspensions. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 10597-10605	8.3	48
308	Clean utilization of palm kernel shell: sustainable and naturally heteroatom-doped porous activated carbon for lithium sulfur batteries. <i>Rare Metals</i> , <b>2020</b> , 39, 1099-1106	5.5	48
307	Synthetic methods and electrochemical applications for transition metal phosphide nanomaterials. <i>RSC Advances</i> , <b>2016</b> , 6, 87188-87212	3.7	48
306	Synthesis and Progress of New Oxygen-Vacant Electrode Materials for High-Energy Rechargeable Battery Applications. <i>Small</i> , <b>2018</b> , 14, e1802193	11	48
305	Production of cationic xylan-METAC copolymer as a flocculant for textile industry. <i>Carbohydrate Polymers</i> , <b>2015</b> , 124, 229-36	10.3	47
304	Preparation of sulfomethylated softwood kraft lignin as a dispersant for cement admixture. <i>RSC Advances</i> , <b>2015</b> , 5, 47031-47039	3.7	47
303	Biopolymers for surface engineering of paper-based products. <i>Cellulose</i> , <b>2014</b> , 21, 3145-3160	5.5	46
302	Adsorption of lignocelluloses of model pre-hydrolysis liquor on activated carbon. <i>Bioresource Technology</i> , <b>2013</b> , 131, 308-14	11	46
301	Activated graphene with tailored pore structure parameters for long cycle-life lithium sulfur batteries. <i>Nano Research</i> , <b>2017</b> , 10, 4305-4317	10	45
300	Different positive electrode materials in organic and aqueous systems for aluminium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 14391-14418	13	45
299	Enhanced Electrochemical Performance of Sb <sub>2</sub> O <sub>3</sub> as an Anode for Lithium-Ion Batteries by a Stable Cross-Linked Binder. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 2677	2.6	45
298	Recovery of lignocelluloses from pre-hydrolysis liquor in the lime kiln of kraft-based dissolving pulp production process by adsorption to lime mud. <i>Bioresource Technology</i> , <b>2011</b> , 102, 10035-9	11	45
297	Fabrication of Cu O-based Materials for Lithium-Ion Batteries. <i>ChemSusChem</i> , <b>2018</b> , 11, 1581-1599	8.3	44
296	Tin-based nanomaterials for electrochemical energy storage. <i>RSC Advances</i> , <b>2016</b> , 6, 95449-95468	3.7	44
295	Synergy of CMC and modified chitosan on strength properties of cellulosic fiber network. <i>Carbohydrate Polymers</i> , <b>2010</b> , 80, 208-214	10.3	44
294	MIL-96-Al for Li-S Batteries: Shape or Size?. <i>Advanced Materials</i> , <b>2021</b> , e2107836	24	44
293	Application of hemicelluloses precipitated via ethanol treatment of pre-hydrolysis liquor in high-yield pulp. <i>Bioresource Technology</i> , <b>2011</b> , 102, 9613-8	11	43

292	Novel Process for Generating Cationic Lignin Based Flocculant. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 6595-6608	3.9	42
291	Synthesis and characterization of carboxymethylated xylan and its application as a dispersant. <i>Carbohydrate Polymers</i> , <b>2016</b> , 146, 26-35	10.3	42
290	One Dimensional Silver-based Nanomaterials: Preparations and Electrochemical Applications. <i>Small</i> , <b>2017</b> , 13, 1701091	11	42
289	Dual-ligand and hard-soft-acid-base strategies to optimize metal-organic framework nanocrystals for stable electrochemical cycling performance. <i>National Science Review</i> ,	10.8	42
288	Porous pyrrhotite FeS nanowire/SiO/nitrogen-doped carbon matrix for high-performance Li-ion-battery anodes. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 561, 801-807	9.3	42
287	Technical lignin and its potential modification routes: A mini-review. <i>Industrial Crops and Products</i> , <b>2020</b> , 154, 112732	5.9	41
286	Pristine Transition-Metal-Based Metal-Organic Frameworks for Electrocatalysis. <i>ChemElectroChem</i> , <b>2019</b> , 6, 1273-1299	4.3	41
285	Design of hollow carbon-based materials derived from metal-organic frameworks for electrocatalysis and electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 3880-3917	13	41
284	Quasi-ZIF-67 for Boosted Oxygen Evolution Reaction Catalytic Activity via a Low Temperature Calcination. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 25037-25041	9.5	40
283	Lignin for polymer and nanoparticle production: Current status and challenges. <i>Canadian Journal of Chemical Engineering</i> , <b>2019</b> , 97, 2827-2842	2.3	40
282	Lignin-derived platform molecules through TEMPO catalytic oxidation strategies. <i>Progress in Energy and Combustion Science</i> , <b>2019</b> , 72, 59-89	33.6	39
281	Promoting performance of lithium-sulfur battery via in situ sulfur reduced graphite oxide coating. <i>Rare Metals</i> , <b>2021</b> , 40, 417-424	5.5	39
280	Nitrogen-, phosphorus-doped carbon-carbon nanotube CoP dodecahedra by controlling zinc content for high-performance electrocatalytic oxygen evolution. <i>Rare Metals</i> , <b>2020</b> , 39, 680-687	5.5	37
279	Synthesis of Quasi-Ce-MOF-Electrocatalysts for Enhanced Urea Oxidation Reaction Performance. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 8675-8680	8.3	36
278	The Research Development of Quantum Dots in Electrochemical Energy Storage. <i>Small</i> , <b>2018</b> , 14, e1801479	17.9	36
277	Tall oil production from black liquor: Challenges and opportunities. <i>Separation and Purification Technology</i> , <b>2017</b> , 175, 469-480	8.3	36
276	Canola straw chemimechanical pulping for pulp and paper production. <i>Bioresource Technology</i> , <b>2010</b> , 101, 4193-7	11	36
275	Acidification of prehydrolysis liquor and spent liquor of neutral sulfite semichemical pulping process. <i>Bioresource Technology</i> , <b>2016</b> , 218, 518-25	11	36



274	Facile one-step synthesis of Ag@CeO <sub>2</sub> core-shell nanospheres with efficient catalytic activity for the reduction of 4-nitrophenol. <i>CrystEngComm</i> , <b>2017</b> , 19, 684-689	8.3	34
273	Electrospun-Technology-Derived High-Performance Electrochemical Energy Storage Devices. <i>Chemistry - an Asian Journal</i> , <b>2016</b> , 11, 2967-2995	4.5	33
272	Mesoporous hybrid NiO <sub>x</sub> -MnO <sub>x</sub> nanoprisms for flexible solid-state asymmetric supercapacitors. <i>Dalton Transactions</i> , <b>2016</b> , 45, 10789-97	4.3	32
271	Biowaste-Derived Porous Carbon with Tuned Microstructure for High-Energy Quasi-Solid-State Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 13127-13135	8.3	32
270	Thermophilic membrane bioreactors: A review. <i>Bioresource Technology</i> , <b>2017</b> , 243, 1180-1193	11	32
269	Cationic kraft lignin-acrylamide copolymer as a flocculant for clay suspensions: (2) Charge density effect. <i>Separation and Purification Technology</i> , <b>2019</b> , 210, 963-972	8.3	32
268	Controllable synthesis of a mesoporous NiO/Ni nanorod as an excellent catalyst for urea electro-oxidation. <i>Inorganic Chemistry Frontiers</i> , <b>2020</b> , 7, 2089-2096	6.8	31
267	Production of Flocculant from Thermomechanical Pulping Lignin via Nitric Acid Treatment. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 1954-1962	8.3	31
266	Metal-Organic Framework-Based Hybrid Frameworks. <i>Small Structures</i> , <b>2021</b> , 2, 2000078	8.7	31
265	High-Performance Flexible In-Plane Micro-Supercapacitors Based on Vertically Aligned CuSe@Ni(OH) <sub>2</sub> Hybrid Nanosheet Films. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 38341-38349	9.5	31
264	Adsorption and dispersion performance of oxidized sulfomethylated kraft lignin in coal water slurry. <i>Fuel Processing Technology</i> , <b>2018</b> , 176, 267-275	7.2	30
263	Adsorption characteristics of cationic-modified poly (vinyl alcohol) on cellulose fibers: A qualitative analysis. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2008</b> , 327, 127-133	5.1	30
262	Porous rod-like Ni <sub>2</sub> P/Ni assemblies for enhanced urea electrooxidation. <i>Nano Research</i> , <b>2021</b> , 14, 1405-1412	11.2	30
261	Nickel Oxide/Graphene Composites: Synthesis and Applications. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 2141-2160	4.8	29
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