

List of Publications by Year in descending order

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25
papers

784
citations

759233

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610901

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docs citations

25
times ranked

1104
citing authors

#	ARTICLE	IF	CITATIONS
1	Chlor-alkali electrolysis with oxygen depolarized cathodes: history, present status and future prospects. <i>Journal of Applied Electrochemistry</i> , 2008, 38, 1177-1194.	2.9	230
2	Palladium(0) Nanoparticles on Glass/Polymer Composite Materials as Recyclable Catalysts: A Comparison Study on their Use in Batch and Continuous Flow Processes. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 717-730.	4.3	99
3	Influence of acid pretreatment on ionic conductivity of Nafion® membranes. <i>Journal of Membrane Science</i> , 2016, 500, 225-235.	8.2	87
4	Electrochemical Reactors for Wastewater Treatment. <i>ChemBioEng Reviews</i> , 2019, 6, 142-156.	4.4	74
5	Cost and performance prospects for composite bipolar plates in fuel cells and redox flow batteries. <i>Journal of Power Sources</i> , 2016, 305, 182-190.	7.8	51
6	Polymer Membranes for All-Vanadium Redox Flow Batteries: A Review. <i>Membranes</i> , 2021, 11, 214.	3.0	32
7	Polymer electrolyte membranes prepared by pre-irradiation induced graft copolymerization on ETFE for vanadium redox flow battery applications. <i>Journal of Membrane Science</i> , 2017, 524, 419-427.	8.2	25
8	Electrochemical Membrane Reactors for Sustainable Chlorine Recycling. <i>Membranes</i> , 2012, 2, 510-528.	3.0	22
9	Improved Operating Parameters for Hydrogen Peroxide-Generating Gas Diffusion Electrodes. <i>Chemie-Ingenieur-Technik</i> , 2020, 92, 505-512.	0.8	22
10	Flow through reactors for organic chemistry: directly electrically heated tubular mini reactors as an enabling technology for organic synthesis. <i>Beilstein Journal of Organic Chemistry</i> , 2009, 5, 70.	2.2	20
11	Evaluation of a new electrochemical concept for vacuum toilet wastewater treatment – Comparison with ozonation and peroxone processes. <i>Electrochemistry Communications</i> , 2019, 101, 115-119.	4.7	19
12	Evidence for redox reactions during vanadium crossover inside the nanoscopic water-body of Nafion 117 using X-ray absorption near edge structure spectroscopy. <i>Journal of Power Sources</i> , 2021, 483, 229176.	7.8	15
13	In situ and in operando detection of redox reactions with integrated potential probes during vanadium transport in ion exchange membranes. <i>Journal of Power Sources</i> , 2022, 533, 231343.	7.8	15
14	Improving the Treatment Efficiency and Lowering the Operating Costs of Electrochemical Advanced Oxidation Processes. <i>Processes</i> , 2021, 9, 1482.	2.8	13
15	Multiscale Structured Particle-Based Zinc Anodes in Non-Stirred Alkaline Systems for Zinc-Air Batteries. <i>Energy Technology</i> , 2018, 6, 773-780.	3.8	10
16	Effect of the OH ⁻ /Pt Ratio During Polyol Synthesis on Metal Loading and Particle Size in DMFC Catalysts. <i>Electrocatalysis</i> , 2016, 7, 13-21.	3.0	9
17	Material development and process optimization for gas-phase hydrogen chloride electrolysis with oxygen depolarized cathode. <i>Journal of Applied Electrochemistry</i> , 2016, 46, 755-767.	2.9	7
18	Combination of magnetically actuated flexible graphite-polymer composite cathode and boron-doped diamond anode for electrochemical water softening or wastewater treatment. <i>Electrochimica Acta</i> , 2020, 354, 136729.	5.2	7

#	ARTICLE	IF	CITATIONS
19	Investigation and Improvement of Scalable Oxygen Reducing Cathodes for Microbial Fuel Cells by Spray Coating. Processes, 2020, 8, 11.	2.8	7
20	Determination of the through-plane profile of vanadium species in hydrated Nafion studied with micro X-ray absorption near-edge structure spectroscopy – proof of concept. Journal of Synchrotron Radiation, 2021, 28, 1865-1873.	2.4	6
21	Preparation of Polymer Electrolyte Membranes via Radiation-Induced Graft Copolymerization on Poly(ethylene-alt-tetrafluoroethylene) (ETFE) Using the Crosslinker N,N'-Methylenebis(acrylamide). Membranes, 2018, 8, 102.	3.0	5
22	Characterization of Dimeric Vanadium Uptake and Species in Nafion [®] and Novel Membranes from Vanadium Redox Flow Batteries Electrolytes. Membranes, 2021, 11, 576.	3.0	4
23	Mechanical Behavior during Electrochemical and Mechanical Deactivation of an Aged Electrode in a Lithium-ion Pouch Cell. Energy Technology, 2016, 4, 1520-1530.	3.8	3
24	Simple Catalytic Approach for Removal of Analytical Interferences Caused by Hydrogen Peroxide in a Standard Chemical Oxygen Demand Test. Journal of Environmental Engineering, ASCE, 2021, 147, 04021059.	1.4	2
25	Effects of Fenton's reagent and thermal modification on the electrochemical properties of graphite felt for microbial fuel cell. Research on Chemical Intermediates, 2018, 44, 639-655.	2.7	0