Javier Rubio-Garcia

List of Publications by Year
in descending order

22 papers	762 citations	516710 16 h-index	677142 22 g-index
22 all docs	22 docs citations	22 times ranked	1181 citing authors

#	Article	IF	Citations
1	Active nano-CuPt3 electrocatalyst supported on graphene for enhancing reactions at the cathode in all-vanadium redox flow batteries. Carbon, 2012, 50, 2372-2374.	10.3	124
2	Strategies for enhancing electrochemical activity of carbon-based electrodes for all-vanadium redox flow batteries. Applied Energy, 2013, 109, 344-351.	10.1	112
3	Morphology evolution of Cu2â˜xS nanoparticles: from spheres to dodecahedrons. Chemical Communications, 2011, 47, 10332.	4.1	107
4	Thermoâ€“chemical treatments based on NH3/O2 for improved graphite-based fiber electrodes in vanadium redox flow batteries. Carbon, 2013, 60, 280-288.	10.3	107
5	Highly electrocatalytic flexible nanofiber for improved vanadium-based redox flow battery cathode electrodes. RSC Advances, 2013, 3, 12056.	3.6	47
6	Synthesis and reactivity studies of palladium(ii) complexes containing the N-phosphorylated iminophosphorane-phosphine ligands Ph2PCH2P{î€NP(î€O)(OR)2}Ph2(R = Et, Ph): application to the catalytic synthesis of 2,3-dimethylfuran. Dalton Transactions, 2006, , 5593-5604.	3.3	28
7	Hydrogen/functionalized benzoquinone for a high-performance regenerative fuel cell as a potential large-scale energy storage platform. Journal of Materials Chemistry A, 2020, 8, 3933-3941.	10.3	27
8	Raman and photoluminescence properties of ZnO nanowires grown by a catalystâ€free vaporâ€transport process using ZnO nanoparticle seeds. Physica Status Solidi (B): Basic Research, 2016, 253, 883-888.	1.5	24
9	One-step synthesis of metallic and metal oxidenanoparticles using amino-PEG oligomers as multi-purpose ligands: size and shape control, and quasi-universal solvent dispersibility. Chemical Communications, 2011, 47, 988-990.	4.1	21
10	Evaluation of a Non-Aqueous Vanadium Redox Flow Battery Using a Deep Eutectic Solvent and Graphene-Modified Carbon Electrodes via Electrophoretic Deposition. Batteries, 2020, 6, 38.	4.5	21
11	Hydrogen/manganese hybrid redox flow battery. JPhys Energy, 2019, 1, 015006.	5.3	20
12	Thermally Stable Positive Electrolytes with a Superior Performance in Allâ€Vanadium Redox Flow Batteries. ChemPlusChem, 2015, 80, 354-358.	2.8	19
13	Hydrogen/Vanadium Hybrid Redox Flow Battery with enhanced electrolyte concentration. Energy Storage Materials, 2020, 31, 1-10.	18.0	18
14	Reaction of isocyanides with iminophosphorane-based carbene ligands: Synthesis of unprecedented ketenimineâ€“ruthenium complexes. Journal of Organometallic Chemistry, 2005, 690, 5856-5862.	1.8	16
15	Novel ruthenium(ii) complexes containing the N-phosphorylated iminophosphorane-phosphine ligand Ph2PCH2P{î€NP(î€O)(OEt)2}Ph2: a new coordination mode of its methanide anion. Dalton Transactions, 2008, , 5737.	3.3	16
16	Transfer of hydrophobic ZnO nanocrystals to water: an investigation of the transfer mechanism and luminescent properties. Journal of Materials Chemistry, 2012, 22, 14538.	6.7	16
17	Direct visualization of reactant transport in forced convection electrochemical cells and its application to redox flow batteries. Electrochemistry Communications, 2018, 93, 128-132.	4.7	10
18	Insight into the Role of Ligands in the Yellow Luminescence of Zinc Oxide Nanocrystals. European Journal of Inorganic Chemistry, 2016, 2016, 2056-2062.	2.0	8

#	Article	IF	Citations
19	Using molecular oxygen and Feâ€“N/C heterogeneous catalysts to achieve Mukaiyama epoxidations via in situ produced organic peroxy acids and acylperoxy radicals. Catalysis Science and Technology, 2022, 12, 2978-2989.	4.1	8
20	Colloidal synthesis and functional properties of quaternary Cu-based semiconductors: Cu2HgGeSe4. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	7
21	Visible Light Emitting Si-Rich Si$_{3}$N$_{4} mu$-Disk Resonators for Sensoristic Applications. Journal of Lightwave Technology, 2012, 30, 169-174.	4.6	3
22	Carbon Aerogel Based Thin Electrodes for Zeroâ€Gap all Vanadium Redox Flow Batteries â€“ Quantifying the Factors Leading to Optimum Performance. ChemElectroChem, 2022, 9, .	3.4	3