

Javier Rubio-Garcia

List of Publications by Year in descending order

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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	Carbon Aerogel Based Thin Electrodes for Zero-Gap all Vanadium Redox Flow Batteries – Quantifying the Factors Leading to Optimum Performance. ChemElectroChem, 2022, 9, .	3.4	3
2	Using molecular oxygen and Fe–N/C heterogeneous catalysts to achieve Mukaiyama epoxidations <i>via in situ</i> produced organic peroxy acids and acylperoxy radicals. Catalysis Science and Technology, 2022, 12, 2978-2989.	4.1	8
3	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
4	Hydrogen/Vanadium Hybrid Redox Flow Battery with enhanced electrolyte concentration. Energy Storage Materials, 2020, 31, 1-10.	18.0	18
5	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
6	Hydrogen/manganese hybrid redox flow battery. JPhys Energy, 2019, 1, 015006.	5.3	20
7	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
8	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
9	Raman and photoluminescence properties of ZnO nanowires grown by a catalyst-free vapor-transport process using ZnO nanoparticle seeds. Physica Status Solidi (B): Basic Research, 2016, 253, 883-888.	1.5	24
10	Thermally Stable Positive Electrolytes with a Superior Performance in All-Vanadium Redox Flow Batteries. ChemPlusChem, 2015, 80, 354-358.	2.8	19
11	Colloidal synthesis and functional properties of quaternary Cu-based semiconductors: Cu ₂ HgGeSe ₄ . Journal of Nanoparticle Research, 2014, 16, 1.	1.9	7
12	Strategies for enhancing electrochemical activity of carbon-based electrodes for all-vanadium redox flow batteries. Applied Energy, 2013, 109, 344-351.	10.1	112
13	Highly electrocatalytic flexible nanofiber for improved vanadium-based redox flow battery cathode electrodes. RSC Advances, 2013, 3, 12056.	3.6	47
14	Thermochemical treatments based on NH ₃ /O ₂ for improved graphite-based fiber electrodes in vanadium redox flow batteries. Carbon, 2013, 60, 280-288.	10.3	107
15	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
16	Active nano-CuPt ₃ electrocatalyst supported on graphene for enhancing reactions at the cathode in all-vanadium redox flow batteries. Carbon, 2012, 50, 2372-2374.	10.3	124
17	Visible Light Emitting Si-Rich Si ₃ N ₄ μ-Disk Resonators for Sensoristic Applications. Journal of Lightwave Technology, 2012, 30, 169-174.	4.6	3
18	Morphology evolution of Cu ₂ xS nanoparticles: from spheres to dodecahedrons. Chemical Communications, 2011, 47, 10332.	4.1	107

#	ARTICLE	IF	CITATIONS
19	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. <i>Chemical Communications</i> , 2011, 47, 988-990.	4.1	21
20	Novel ruthenium(ii) complexes containing the N-phosphorylated iminophosphorane-phosphine ligand Ph ₂ PCH ₂ P(=O)(OEt) ₂ Ph ₂ : a new coordination mode of its methanide anion. <i>Dalton Transactions</i> , 2008, , 5737.	3.3	16
21	Synthesis and reactivity studies of palladium(ii) complexes containing the N-phosphorylated iminophosphorane-phosphine ligands Ph ₂ PCH ₂ P(=O)(OR) ₂ Ph ₂ (R = Et, Ph): application to the catalytic synthesis of 2,3-dimethylfuran. <i>Dalton Transactions</i> , 2006, , 5593-5604.	3.3	28
22	Reaction of isocyanides with iminophosphorane-based carbene ligands: Synthesis of unprecedented ketenimine-ruthenium complexes. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 5856-5862.	1.8	16