

Raül Berenguer

List of Publications by Year in descending order

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46
papers

2,201
citations

218381

26
h-index

253896

43
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all docs

46
docs citations

46
times ranked

2879
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluating bioelectrochemically-assisted constructed wetland (METland [®]) for treating wastewater: Analysis of materials, performance and electroactive communities. <i>Chemical Engineering Journal</i> , 2022, 440, 135748.	6.6	12
2	Synthesis, characterization and DFT investigation of new metal complexes of Ni(II), Mn(II) and VO(IV) containing N,O-donor Schiff base ligand. <i>Journal of Molecular Structure</i> , 2021, 1231, 129923.	1.8	25
3	The generation of hydroxyl radicals and electro-oxidation of diclofenac on Pt-doped SnO ₂ @Sb electrodes. <i>Electrochimica Acta</i> , 2020, 354, 136686.	2.6	24
4	Simultaneous characterization of porous and non-porous electrodes in microbial electrochemical systems. <i>MethodsX</i> , 2020, 7, 101021.	0.7	4
5	Magnite [®] + Catalytic Synthesis and Characterization of Polyindenes and Oxidized Derivatives. <i>ChemistrySelect</i> , 2020, 5, 10692-10703.	0.7	0
6	Preparation and Characterization of Montmorillonite/PEDOT-PSS and Diatomite/PEDOT-PSS Hybrid Materials. Study of Electrochemical Properties in Acid Medium. <i>Journal of Composites Science</i> , 2020, 4, 51.	1.4	7
7	Synthesis and characterization of a novel non-symmetrical bidentate Schiff base ligand and its Ni(II) complex: electrochemical and antioxidant studies. <i>Chemical Papers</i> , 2020, 74, 3825-3837.	1.0	10
8	Electroactive Biochar. , 2020, , 360-382.		1
9	Preparation of polypyrrole (PPy)-derived polymer/ZrO ₂ nanocomposites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 2089-2100.	2.0	70
10	Electroactive Biochar for Large-Scale Environmental Applications of Microbial Electrochemistry. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 18198-18212.	3.2	46
11	Enhanced Adsorptive Properties and Pseudocapacitance of Flexible Polyaniline-Activated Carbon Cloth Composites Synthesized Electrochemically in a Filter-Press Cell. <i>Materials</i> , 2019, 12, 2516.	1.3	13
12	Oxidation of Different Microporous Carbons by Chemical and Electrochemical Methods. <i>Frontiers in Materials</i> , 2019, 6, .	1.2	9
13	Tailoring the properties of polyanilines/SiC nanocomposites by engineering monomer and chain substituents. <i>Journal of Molecular Structure</i> , 2019, 1188, 121-128.	1.8	24
14	Electroactive biochar outperforms highly conductive carbon materials for biodegrading pollutants by enhancing microbial extracellular electron transfer. <i>Carbon</i> , 2019, 146, 597-609.	5.4	79
15	The Nature of the Electro [®] Oxidative Catalytic Response of Mixed Metal Oxides: Pt [®] and Ru [®] Doped SnO ₂ Anodes. <i>ChemElectroChem</i> , 2019, 6, 1057-1068.	1.7	16
16	New poly(o-phenylenediamine)/modified-clay nanocomposites: A study on spectral, thermal, morphological and electrochemical characteristics. <i>Journal of Molecular Structure</i> , 2019, 1178, 327-332.	1.8	36
17	Electro-oxidation of cyanide on active and non-active anodes: Designing the electrocatalytic response of cobalt spinels. <i>Separation and Purification Technology</i> , 2019, 208, 42-50.	3.9	17
18	Phosphorus functionalization for the rapid preparation of highly nanoporous submicron-diameter carbon fibers by electrospinning of lignin solutions. <i>Journal of Materials Chemistry A</i> , 2018, 6, 1219-1233.	5.2	96

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19	Electrocatalytic oxidation of cyanide on copper-doped cobalt oxide electrodes. Applied Catalysis B: Environmental, 2017, 207, 286-296.	10.8	17
20	Fine Dispersion of Pt ₅ Subnanoclusters and Pt Single Atoms over Porous Carbon Supports and Their Structural Analyses with X-ray Absorption Spectroscopy. Journal of Physical Chemistry C, 2017, 121, 7892-7902.	1.5	36
21	Lignin-derived Pt supported carbon (submicron) fiber electrocatalysts for alcohol electro-oxidation. Applied Catalysis B: Environmental, 2017, 211, 18-30.	10.8	75
22	Synthesis of Vanadium Oxide Nanofibers with Variable Crystallinity and V ⁵⁺ /V ⁴⁺ Ratios. ACS Omega, 2017, 2, 7739-7745.	1.6	58
23	Electrocatalytic degradation of phenol on Pt- and Ru-doped Ti/SnO ₂ -Sb anodes in an alkaline medium. Applied Catalysis B: Environmental, 2016, 199, 394-404.	10.8	85
24	Novel Synthesis Method of porous VPO catalysts with fibrous structure by Electrospinning. Catalysis Today, 2016, 277, 266-273.	2.2	19
25	Oxidation-Resistant and Elastic Mesoporous Carbon with Single-Layer Graphene Walls. Advanced Functional Materials, 2016, 26, 6418-6427.	7.8	102
26	PANI-derived polymer/Al ₂ O ₃ nanocomposites: synthesis, characterization, and electrochemical studies. Colloid and Polymer Science, 2016, 294, 1877-1885.	1.0	93
27	Easy fabrication of superporous zeolite templated carbon electrodes by electrospraying on rigid and flexible substrates. Journal of Materials Chemistry A, 2016, 4, 4610-4618.	5.2	14
28	Biomass-derived binderless fibrous carbon electrodes for ultrafast energy storage. Green Chemistry, 2016, 18, 1506-1515.	4.6	102
29	Enhanced electro-oxidation resistance of carbon electrodes induced by phosphorus surface groups. Carbon, 2015, 95, 681-689.	5.4	76
30	Pseudocapacitance of zeolite-templated carbon in organic electrolytes. Energy Storage Materials, 2015, 1, 35-41.	9.5	41
31	Pt- and Ru-Doped SnO ₂ -Sb Anodes with High Stability in Alkaline Medium. ACS Applied Materials & Interfaces, 2014, 6, 22778-22789.	4.0	65
32	Conversion of silica nanoparticles into Si nanocrystals through electrochemical reduction. Nanoscale, 2014, 6, 10574-10583.	2.8	16
33	Preparation of Different Carbon Materials by Thermochemical Conversion of Lignin. Frontiers in Materials, 2014, 1, .	1.2	93
34	Large Pseudocapacitance in Quinone-Functionalized Zeolite-Templated Carbon. Bulletin of the Chemical Society of Japan, 2014, 87, 250-257.	2.0	78
35	Electrochemical generation of oxygen-containing groups in an ordered microporous zeolite-templated carbon. Carbon, 2013, 54, 94-104.	5.4	62
36	Electrooxidation Methods to Produce Pseudocapacitance-containing Porous Carbons. Electrochemistry, 2013, 81, 833-839.	0.6	16

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37	Lead ion adsorption from aqueous solutions in modified Algerian montmorillonites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 110, 1069-1077.	2.0	32
38	A comparison between oxidation of activated carbon by electrochemical and chemical treatments. <i>Carbon</i> , 2012, 50, 1123-1134.	5.4	43
39	Electrochemical regeneration and porosity recovery of phenol-saturated granular activated carbon in an alkaline medium. <i>Carbon</i> , 2010, 48, 2734-2745.	5.4	105
40	Comparison among Chemical, Thermal, and Electrochemical Regeneration of Phenol-Saturated Activated Carbon. <i>Energy & Fuels</i> , 2010, 24, 3366-3372.	2.5	73
41	Electrochemical characterization of SnO ₂ electrodes doped with Ru and Pt. <i>Electrochimica Acta</i> , 2009, 54, 5230-5238.	2.6	91
42	Effect of electrochemical treatments on the surface chemistry of activated carbon. <i>Carbon</i> , 2009, 47, 1018-1027.	5.4	105
43	Origin of the Deactivation of Spinel Cu _x Co _{3x} O ₄ /Ti Anodes Prepared by Thermal Decomposition. <i>Journal of Physical Chemistry C</i> , 2008, 112, 16945-16952.	1.5	15
44	Cyanide and Phenol Oxidation on Nanostructured Co ₃ O ₄ Electrodes Prepared by Different Methods. <i>Journal of the Electrochemical Society</i> , 2008, 155, K110.	1.3	33
45	Preparation and Characterization of Copper-Doped Cobalt Oxide Electrodes. <i>Journal of Physical Chemistry B</i> , 2006, 110, 24021-24029.	1.2	165
46	Combined ozonation process and adsorption onto bentonite natural adsorbent for the o-cresol elimination. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-18.	1.8	2