

Raül Berenguer

List of Publications by Year in descending order

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46
papers

2,201
citations

218677
26
h-index

254184
43
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46
all docs

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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. Chemical Engineering Journal, 2022, 440, 135748.	12.7	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. Journal of Molecular Structure, 2021, 1231, 129923.	3.6	25
3	The generation of hydroxyl radicals and electro-oxidation of diclofenac on Pt-doped SnO ₂ -Sb electrodes. Electrochimica Acta, 2020, 354, 136686.	5.2	24
4	Simultaneous characterization of porous and non-porous electrodes in microbial electrochemical systems. MethodsX, 2020, 7, 101021.	1.6	4
5	Maghnite-CH + Catalytic Synthesis and Characterization of Polyindenes and Oxidized Derivatives. ChemistrySelect, 2020, 5, 10692-10703.	1.5	0
6	Preparation and Characterization of Montmorillonite/PEDOT-PSS and Diatomite/PEDOT-PSS Hybrid Materials. Study of Electrochemical Properties in Acid Medium. Journal of Composites Science, 2020, 4, 51.	3.0	7
7	Synthesis and characterization of a novel non-symmetrical bidentate Schiff base ligand and its Ni(II) complex: electrochemical and antioxidant studies. Chemical Papers, 2020, 74, 3825-3837.	2.2	10
8	Electroactive Biochar. , 2020, , 360-382.		1
9	Preparation of polypyrrole (PPy)-derived polymer/ZrO ₂ nanocomposites. Journal of Thermal Analysis and Calorimetry, 2019, 135, 2089-2100.	3.6	70
10	Electroactive Biochar for Large-Scale Environmental Applications of Microbial Electrochemistry. ACS Sustainable Chemistry and Engineering, 2019, 7, 18198-18212.	6.7	46
11	Enhanced Adsorptive Properties and Pseudocapacitance of Flexible Polyaniline-Activated Carbon Cloth Composites Synthesized Electrochemically in a Filter-Press Cell. Materials, 2019, 12, 2516.	2.9	13
12	Oxidation of Different Microporous Carbons by Chemical and Electrochemical Methods. Frontiers in Materials, 2019, 6, .	2.4	9
13	Tailoring the properties of polyanilines/SiC nanocomposites by engineering monomer and chain substituents. Journal of Molecular Structure, 2019, 1188, 121-128.	3.6	24
14	Electroactive biochar outperforms highly conductive carbon materials for biodegrading pollutants by enhancing microbial extracellular electron transfer. Carbon, 2019, 146, 597-609.	10.3	79
15	The Nature of the Electro-Oxidative Catalytic Response of Mixed Metal Oxides: Pt- and Ru-Doped SnO ₂ Anodes. ChemElectroChem, 2019, 6, 1057-1068.	3.4	16
16	New poly(o-phenylenediamine)/modified-clay nanocomposites: A study on spectral, thermal, morphological and electrochemical characteristics. Journal of Molecular Structure, 2019, 1178, 327-332.	3.6	36
17	Electro-oxidation of cyanide on active and non-active anodes: Designing the electrocatalytic response of cobalt spinels. Separation and Purification Technology, 2019, 208, 42-50.	7.9	17
18	Phosphorus functionalization for the rapid preparation of highly nanoporous submicron-diameter carbon fibers by electrospinning of lignin solutions. Journal of Materials Chemistry A, 2018, 6, 1219-1233.	10.3	96

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19	Electrocatalytic oxidation of cyanide on copper-doped cobalt oxide electrodes. Applied Catalysis B: Environmental, 2017, 207, 286-296.	20.2	17
20	Fine Dispersion of Pt ₄ 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.	3.1	36
21	Lignin-derived Pt supported carbon (submicron) fiber electrocatalysts for alcohol electro-oxidation. Applied Catalysis B: Environmental, 2017, 211, 18-30.	20.2	75
22	Synthesis of Vanadium Oxide Nanofibers with Variable Crystallinity and V ⁵⁺ /V ⁴⁺ Ratios. ACS Omega, 2017, 2, 7739-7745.	3.5	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.	20.2	85
24	Novel Synthesis Method of porous VPO catalysts with fibrous structure by Electrospinning. Catalysis Today, 2016, 277, 266-273.	4.4	19
25	Oxidation-Resistant and Elastic Mesoporous Carbon with Single-Layer Graphene Walls. Advanced Functional Materials, 2016, 26, 6418-6427.	14.9	102
26	PANI-derived polymer/Al ₂ O ₃ nanocomposites: synthesis, characterization, and electrochemical studies. Colloid and Polymer Science, 2016, 294, 1877-1885.	2.1	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.	10.3	14
28	Biomass-derived binderless fibrous carbon electrodes for ultrafast energy storage. Green Chemistry, 2016, 18, 1506-1515.	9.0	102
29	Enhanced electro-oxidation resistance of carbon electrodes induced by phosphorus surface groups. Carbon, 2015, 95, 681-689.	10.3	76
30	Pseudocapacitance of zeolite-templated carbon in organic electrolytes. Energy Storage Materials, 2015, 1, 35-41.	18.0	41
31	Pt- and Ru-Doped SnO ₂ -Sb Anodes with High Stability in Alkaline Medium. ACS Applied Materials & Interfaces, 2014, 6, 22778-22789.	8.0	65
32	Conversion of silica nanoparticles into Si nanocrystals through electrochemical reduction. Nanoscale, 2014, 6, 10574-10583.	5.6	16
33	Preparation of Different Carbon Materials by Thermochemical Conversion of Lignin. Frontiers in Materials, 2014, 1, .	2.4	93
34	Large Pseudocapacitance in Quinone-Functionalized Zeolite-Templated Carbon. Bulletin of the Chemical Society of Japan, 2014, 87, 250-257.	3.2	78
35	Electrochemical generation of oxygen-containing groups in an ordered microporous zeolite-templated carbon. Carbon, 2013, 54, 94-104.	10.3	62
36	Electrooxidation Methods to Produce Pseudocapacitance-containing Porous Carbons. Electrochemistry, 2013, 81, 833-839.	1.4	16

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37	Lead ion adsorption from aqueous solutions in modified Algerian montmorillonites. Journal of Thermal Analysis and Calorimetry, 2012, 110, 1069-1077.	3.6	32
38	A comparison between oxidation of activated carbon by electrochemical and chemical treatments. Carbon, 2012, 50, 1123-1134.	10.3	43
39	Electrochemical regeneration and porosity recovery of phenol-saturated granular activated carbon in an alkaline medium. Carbon, 2010, 48, 2734-2745.	10.3	105
40	Comparison among Chemical, Thermal, and Electrochemical Regeneration of Phenol-Saturated Activated Carbon. Energy & Fuels, 2010, 24, 3366-3372.	5.1	73
41	Electrochemical characterization of SnO ₂ electrodes doped with Ru and Pt. Electrochimica Acta, 2009, 54, 5230-5238.	5.2	91
42	Effect of electrochemical treatments on the surface chemistry of activated carbon. Carbon, 2009, 47, 1018-1027.	10.3	105
43	Origin of the Deactivation of Spinel Cu _x Co _{3-x} O ₄ /Ti Anodes Prepared by Thermal Decomposition. Journal of Physical Chemistry C, 2008, 112, 16945-16952.	3.1	15
44	Cyanide and Phenol Oxidation on Nanostructured Co ₃ O ₄ Electrodes Prepared by Different Methods. Journal of the Electrochemical Society, 2008, 155, K110.	2.9	33
45	Preparation and Characterization of Copper-Doped Cobalt Oxide Electrodes. Journal of Physical Chemistry B, 2006, 110, 24021-24029.	2.6	165
46	Combined ozonation process and adsorption onto bentonite natural adsorbent for the o-cresol elimination. International Journal of Environmental Analytical Chemistry, 0, , 1-18.	3.3	2