

Rossano Amadelli

List of Publications by Year in descending order

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71
papers

3,036
citations

117625

34
h-index

161849

54
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73
all docs

73
docs citations

73
times ranked

2413
citing authors

#	ARTICLE	IF	CITATIONS
1	Photocatalysis with Organized Systems for the Oxofunctionalization of Hydrocarbons by O ₂ . <i>Chemical Reviews</i> , 2002, 102, 3811-3836.	47.7	444
2	Oxygen and ozone evolution at fluoride modified lead dioxide electrodes. <i>Electrochimica Acta</i> , 1999, 45, 713-720.	5.2	156
3	Electrodeposition of Co-doped lead dioxide and its physicochemical properties. <i>Journal of Electroanalytical Chemistry</i> , 2002, 527, 56-64.	3.8	122
4	Electrochemical oxidation of trans-3,4-dihydroxycinnamic acid at PbO ₂ electrodes: direct electrolysis and ozone mediated reactions compared. <i>Electrochimica Acta</i> , 2000, 46, 341-347.	5.2	113
5	Electrosynthesis and Physicochemical Properties of PbO[sub 2] Films. <i>Journal of the Electrochemical Society</i> , 2002, 149, C445.	2.9	112
6	Influence of the electrode history and effects of the electrolyte composition and temperature on O ₂ evolution at P ² -PbO ₂ anodes in acid media. <i>Journal of Electroanalytical Chemistry</i> , 2002, 534, 1-12.	3.8	112
7	Electrodeposition of lead dioxide from methanesulfonate solutions. <i>Journal of Power Sources</i> , 2009, 191, 103-110.	7.8	104
8	Photodeposition of uranium oxides onto TiO ₂ from aqueous uranyl solutions. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1991, 87, 3267.	1.7	80
9	Electrosynthesis and physicochemical properties of Fe-doped lead dioxide electrocatalysts. <i>Electrochimica Acta</i> , 2000, 45, 4341-4350.	5.2	77
10	Electro-oxidation of Some Phenolic Compounds by Electrogenenerated O ₃ and by Direct Electrolysis at PbO ₂ Anodes. <i>Journal of the Electrochemical Society</i> , 2011, 158, P87-P92.	2.9	76
11	Composite PbO ₂ /TiO ₂ materials deposited from colloidal electrolyte: Electrosynthesis, and physicochemical properties. <i>Electrochimica Acta</i> , 2009, 54, 5239-5245.	5.2	75
12	Electrodeposition of Ce-doped PbO ₂ . <i>Journal of Electroanalytical Chemistry</i> , 2013, 706, 86-92.	3.8	74
13	Photocatalytic Processes with Polyoxotungstates: Oxidation of Cyclohexylamine. <i>Inorganic Chemistry</i> , 1994, 33, 2968-2973.	4.0	62
14	Electrochemical treatment of bisphenol-A containing wastewaters. <i>Journal of Applied Electrochemistry</i> , 1994, 24, 1052-1058.	2.9	61
15	Photoredox and photocatalytic processes on Fe(III)-porphyrin surface modified nanocrystalline TiO ₂ . <i>Journal of Molecular Catalysis A</i> , 2000, 158, 521-531.	4.8	58
16	Kinetics of lead dioxide electrodeposition from nitrate solutions containing colloidal TiO ₂ . <i>Journal of Electroanalytical Chemistry</i> , 2009, 632, 192-196.	3.8	57
17	Photocatalytic TiO ₂ coatings on limestone. <i>Journal of Sol-Gel Science and Technology</i> , 2011, 60, 437-444.	2.4	56
18	Oxidation of alkanes by dioxygen catalysed by photoactivated iron porphyrins. <i>Journal of the Chemical Society Chemical Communications</i> , 1991, , 1487.	2.0	52

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19	Photochemistry of Iron-porphyrin complexes. Biomimetics and catalysis. Coordination Chemistry Reviews, 1993, 125, 143-154.	18.8	52
20	Catalytic oxygenation of cyclohexane by photoexcited (nBu ₄ N) ₄ W ₁₀ O ₃₂ : the role of radicals. Inorganica Chimica Acta, 1997, 256, 309-312.	2.4	48
21	Preparation and photoactivity of samarium loaded anatase, brookite and rutile catalysts. Applied Catalysis B: Environmental, 2011, 104, 291-299.	20.2	48
22	Photocatalytic oxidation of cyclohexane by (nBu ₄ N) ₄ W ₁₀ O ₃₂ Fe(III)porphyrins integrated systems. Journal of Molecular Catalysis A, 1996, 113, 147-157.	4.8	45
23	Photo-electro catalytic oxidation of aromatic alcohols on visible light-absorbing nitrogen-doped TiO ₂ . Electrochimica Acta, 2010, 55, 7788-7795.	5.2	45
24	N-TiO ₂ Photocatalysts highly active under visible irradiation for NO _x abatement and 2-propanol oxidation. Catalysis Today, 2013, 206, 19-25.	4.4	43
25	Photocatalyzed Oxidation of Cyclohexene and Cyclooctene with (nBu ₄ N) ₄ W ₁₀ O ₃₂ and (nBu ₄ N) ₄ W ₁₀ O ₃₂ /Fe(III)[meso-Tetrakis(2,6-dichlorophenyl)porphyrin] in Homogeneous and Heterogeneous Systems. European Journal of Inorganic Chemistry, 2000, 2000, 91-96.	2.0	42
26	Preparation, Characterisation, and Photocatalytic Behaviour of CoTiO_2 with Visible Light Response. International Journal of Photoenergy, 2008, 2008, 1-9.	2.5	42
27	Photocatalytic degradation activity of titanium dioxide sol-gel coatings on stainless steel wire meshes. Materials Chemistry and Physics, 2010, 124, 1225-1231.	4.0	42
28	Photooxidation of hydrocarbons on porphyrin-modified titanium dioxide powders. Journal of the Chemical Society Chemical Communications, 1992, , 1355.	2.0	41
29	Tetralkylammonium and Sodium Decatungstate Heterogenized on Silica: Effects of the Nature of Cations on the Photocatalytic Oxidation of Organic Substrates. Langmuir, 2002, 18, 5400-5405.	3.5	40
30	Mechanism of Electrodeposition of Lead Dioxide from Nitrate Solutions. Russian Journal of Electrochemistry, 2003, 39, 615-621.	0.9	40
31	Physico-chemical properties of PbO ₂ -anodes doped with Sn ⁴⁺ and complex ions. Journal of Electroanalytical Chemistry, 2014, 717-718, 196-201.	3.8	39
32	Electrochemical Synthesis and Characterization of Redox Polymer Nanostructures. Langmuir, 2003, 19, 9005-9012.	3.5	38
33	Preparation of Sm-loaded brookite TiO ₂ photocatalysts. Catalysis Today, 2011, 161, 35-40.	4.4	35
34	Nafion effect on the lead dioxide electrodeposition kinetics. Russian Journal of Electrochemistry, 2007, 43, 118-120.	0.9	34
35	Entrapping of iron(III) porphyrins in a polystyrene matrix and their photocatalytic activity in oxidation reactions by molecular oxygen. Inorganica Chimica Acta, 1992, 192, 1-3.	2.4	30
36	Integrated photocatalysts for hydrocarbon oxidation: polyoxotungstates/iron porphyrins systems in the reductive activation of molecular oxygen. Inorganica Chimica Acta, 1998, 272, 197-203.	2.4	26

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37	An ESR spin trapping investigation on the photoreduction of chlorohemin in mixed solvents. <i>Inorganica Chimica Acta</i> , 1983, 74, 275-278.	2.4	25
38	EPR spin trapping evidence of radical intermediates in the photo-reduction of bicarbonate/CO ₂ in TiO ₂ aqueous suspensions. <i>Photochemical and Photobiological Sciences</i> , 2015, 14, 1039-1046.	2.9	25
39	Photo-oxidative cyanation of aromatics on semiconductor powder suspensions I: oxidation processes involving radical species. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1990, 53, 263-271.	3.9	24
40	Lead dioxide electrodes for high potential anodic processes. <i>Journal of the Serbian Chemical Society</i> , 2001, 66, 835-845.	0.8	24
41	CH ₂ Cl ₂ -assisted functionalization of cycloalkenes by photoexcited (nBu ₄ N)4W10O ₃₂ heterogenized on SiO ₂ . <i>Journal of Molecular Catalysis A</i> , 2003, 204-205, 703-711.	4.8	22
42	Photo-electro-chemical properties of TiO ₂ mediated by the enzyme glucose oxidase. <i>Catalysis Today</i> , 2005, 101, 397-405.	4.4	21
43	Photocatalytic formation of a carbamate through ethanol-assisted carbonylation of p-nitrotoluene. <i>Chemical Communications</i> , 2005, , 1749.	4.1	21
44	ESR spin-trapping investigation of azide oxidation on cadmium sulfide and zinc oxide suspensions. <i>The Journal of Physical Chemistry</i> , 1989, 93, 6448-6453.	2.9	20
45	Photocatalytic activity of MCM-organized TiO ₂ materials in the oxygenation of cyclohexane with molecular oxygen. <i>Photochemical and Photobiological Sciences</i> , 2008, 7, 819.	2.9	19
46	Probing the Role of Surface Energetics of Electrons and their Accumulation in Photoreduction Processes on TiO ₂ . <i>Chemistry - A European Journal</i> , 2014, 20, 7759-7765.	3.3	17
47	Photocatalytic reactions in the 2,3,7,8,12,13,17,18-octaethylporphyrinatoiron(III)â€“ethanolâ€“carbon tetrachloride system. <i>Journal of the Chemical Society Dalton Transactions</i> , 1989, , 1197-1201.	1.1	16
48	Reduction of nitroaromatic compounds by photo-reduced heteropolytungstates. <i>Journal of Molecular Catalysis</i> , 1990, 59, L9-L14.	1.2	16
49	A reappraisal of the photo-oxidation mechanism at short and long wavelengths for poly(2,6-dimethyl-1,4-phenylene oxide). <i>Polymer</i> , 1996, 37, 903-916.	3.8	15
50	An electron spin resonance spin trapping investigation of azide oxidation on TiO ₂ powder suspensions. <i>Canadian Journal of Chemistry</i> , 1988, 66, 76-80.	1.1	13
51	Redox properties of photoexcited (nBu ₄ N)3PW12O ₄₀ FeIII porphyrins composite systems. <i>Journal of Molecular Catalysis A</i> , 1996, 114, 141-150.	4.8	13
52	Preparation and Photoactivity of Nanocrystalline TiO ₂ Powders Obtained by Thermohydrolysis of TiOSO ₄ . <i>Catalysis Letters</i> , 2013, 143, 844-852.	2.6	13
53	Capillary wear effects in interfacial tension measurements with the Lippmann electrometer. <i>Journal of Colloid and Interface Science</i> , 1978, 63, 61-68.	9.4	12
54	Selective Photooxidation and Photoreduction Processes at Surface-Modified by Grafted Vanadyl. <i>International Journal of Photoenergy</i> , 2011, 2011, 1-10.	2.5	11

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55	PbO ₂ anodes modified by cerium ions. Protection of Metals and Physical Chemistry of Surfaces, 2014, 50, 493-498.	1.1	11
56	Heterogeneous Photocatalytic Systems for Partial and Selective Oxidation of Alcohols and Polyols. Current Organic Chemistry, 2013, 17, 2382-2405.	1.6	10
57	Photochemical and photocatalytic behaviour of "flyover-bridge" complexes. Journal of the Chemical Society Dalton Transactions, 1988, , 2519-2524.	1.1	8
58	Gas-phase electroreduction of O ₂ on gold-Nafion and (underpotential deposition, gold)-Nafion® electrodes. Journal of Electroanalytical Chemistry, 1992, 339, 85-100.	3.8	8
59	Adsorption and photo-oxidation of 3,4-dihydroxy-cinnamic acid on TiO ₂ films. Catalysis Today, 2009, 144, 149-153.	4.4	8
60	The influence of deposition conditions on phase composition of lead dioxide-based materials. Protection of Metals and Physical Chemistry of Surfaces, 2015, 51, 593-599.	1.1	7
61	A Comparative Study of Cathodic Electrodeposited Nickel Hydroxide Films Electrocatalysts. Electrocatalysis, 2013, 4, 329-337.	3.0	6
62	Photoreduction of Fe(III) protoporphyrin IX in ethanol-water solutions containing bifunctional ligands. Polyhedron, 1986, 5, 1297-1301.	2.2	5
63	A photo-(electro)-catalytic system illustrating the effect of lithium ions on titania surface energetics and charge transfer. Journal of Electroanalytical Chemistry, 2015, 755, 143-150.	3.8	5
64	Thermal and photochemical behaviour of organotetraruthenium clusters: solution structures and dynamics of phosphine-substituted derivatives. Journal of the Chemical Society Dalton Transactions, 1987, , 349.	1.1	4
65	An electrochemical and radiotracer investigation on lead dioxide: Influence of deposition current and temperature. Journal of the Serbian Chemical Society, 2013, 78, 2099-2114.	0.8	4
66	Photocatalysis with Organized Systems for the Oxofunctionalization of Hydrocarbons by O ₂ . ChemInform, 2003, 34, no.	0.0	1
67	Physicochemical properties and electrochemical behavior of Ebonex/Pt-based materials. Protection of Metals and Physical Chemistry of Surfaces, 2013, 49, 705-711.	1.1	1
68	Reduction of nitroaromatics on cadmium sulfide: further probing the electrochemical model of semiconductor photocatalysis. Journal of Solid State Electrochemistry, 2021, 25, 85-92.	2.5	1
69	Photochemical and Photocatalytic Properties Iron-Tetra-Aryl-Porphyrins. Topics in Molecular Organization and Engineering, 1991, , 103-118.	0.1	1
70	Comparative visible-light driven selective oxidation to aldehydes of phenylmethanol (benzyl alcohol) and 4-pyridinylmethanol (4-pyridinecarbinol) on N-TiO ₂ and some commercial TiO ₂ samples. Photochemical and Photobiological Sciences, 2021, 20, 1635-1644.	2.9	1
71	Electrochemical Incineration of Some Phenolic Compounds and MTBE. NATO Science for Peace and Security Series C: Environmental Security, 2012, , 145-154.	0.2	0