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 g-index
73 all docs	73 docs citations	73 times ranked	2413 citing authors

#	Article	IF	Citations
1	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
2	Comparative visible-light driven selective oxidation to aldehydes of phenylmethanol (benzyl alcohol) and 4-pyridinylmethanol (4-pyridinecarbinol) on N-TiO2 and some commercial TiO2 samples. Photochemical and Photobiological Sciences, 2021, 20, 1635-1644.	2.9	1
3	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
4	EPR spin trapping evidence of radical intermediates in the photo-reduction of bicarbonate/CO2 in TiO2 aqueous suspensions. Photochemical and Photobiological Sciences, 2015, 14, 1039-1046.	2.9	25
5	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
6	Probing the Role of Surface Energetics of Electrons and their Accumulation in Photoreduction Processes on TiO₂. Chemistry - A European Journal, 2014, 20, 7759-7765.	3.3	17
7	PbO2 anodes modified by cerium ions. Protection of Metals and Physical Chemistry of Surfaces, 2014, 50, 493-498.	1.1	11
8	Physico-chemical properties of PbO2-anodes doped with Sn4+and complex ions. Journal of Electroanalytical Chemistry, 2014, 717-718, 196-201.	3.8	39
9	Preparation and Photoactivity of Nanocrystalline TiO2 Powders Obtained by Thermohydrolysis of TiOSO4. Catalysis Letters, 2013, 143, 844-852.	2.6	13
10	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
11	A Comparative Study of Cathodic Electrodeposited Nickel Hydroxide Films Electrocatalysts. Electrocatalysis, 2013, 4, 329-337.	3.0	6
12	Electrodeposition of Ce-doped PbO2. Journal of Electroanalytical Chemistry, 2013, 706, 86-92.	3.8	74
13	N-TiO2 Photocatalysts highly active under visible irradiation for NOX abatement and 2-propanol oxidation. Catalysis Today, 2013, 206, 19-25.	4.4	43
14	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
15	Heterogeneous Photocatalytic Systems for Partial and Selective Oxidation of Alcohols and Polyols. Current Organic Chemistry, 2013, 17, 2382-2405.	1.6	10
16	Electrochemical Incineration of Some Phenolic Compounds and MTBE. NATO Science for Peace and Security Series C: Environmental Security, 2012, , 145-154.	0.2	0
17	Photocatalytic TiO2 coatings on limestone. Journal of Sol-Gel Science and Technology, 2011, 60, 437-444.	2.4	56
18	Preparation and photoactivity of samarium loaded anatase, brookite and rutile catalysts. Applied Catalysis B: Environmental, 2011, 104, 291-299.	20.2	48

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19	Preparation of Sm-loaded brookite TiO2 photocatalysts. Catalysis Today, 2011, 161, 35-40.	4.4	35
20	Electro-oxidation of Some Phenolic Compounds by Electrogenerated O₃ and by Direct Electrolysis at PbO₂ Anodes. Journal of the Electrochemical Society, 2011, 158, P87-P92.	2.9	76
21	Selective Photooxidation and Photoreduction Processes at Surface-Modified by Grafted Vanadyl. International Journal of Photoenergy, 2011, 2011, 1-10.	2.5	11
22	Photocatalytic degradation activity of titanium dioxide solâ€“gel coatings on stainless steel wire meshes. Materials Chemistry and Physics, 2010, 124, 1225-1231.	4.0	42
23	Photo-electro catalytic oxidation of aromatic alcohols on visible light-absorbing nitrogen-doped TiO2. Electrochimica Acta, 2010, 55, 7788-7795.	5.2	45
24	Composite PbÐž2â€“TiO2 materials deposited from colloidal electrolyte: Electrosynthesis, and physicochemical properties. Electrochimica Acta, 2009, 54, 5239-5245.	5.2	75
25	Kinetics of lead dioxide electrodeposition from nitrate solutions containing colloidal TiO2. Journal of Electroanalytical Chemistry, 2009, 632, 192-196.	3.8	57
26	Electrodeposition of lead dioxide from methanesulfonate solutions. Journal of Power Sources, 2009, 191, 103-110.	7.8	104
27	Adsorption and photo-oxidation of 3,4-dihydroxy-cinnamic acid on TiO2 films. Catalysis Today, 2009, 144, 149-153.	4.4	8
28	Photocatalytic activity of MCM-organized TiO2 materials in the oxygenation of cyclohexane with molecular oxygen. Photochemical and Photobiological Sciences, 2008, 7, 819.	2.9	19
29	Preparation, Characterisation, and Photocatalytic Behaviour of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="E1"><mml:mrow><mml:mtext>Co</mml:mtext></mml:mrow></mml:math>-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="E2"><mml:msub><mml:mtext>TiO</mml:mtext><mml:mtext>2</mml:mtext></mml:msub></mml:math>with Visible Light Response. International Journal of Photoenergy, 2008, 2008, 1-9.	2.5	42
30	Nafion effect on the lead dioxide electrodeposition kinetics. Russian Journal of Electrochemistry, 2007, 43, 118-120.	0.9	34
31	Photo-electro-chemical properties of TiO2 mediated by the enzyme glucose oxidase. Catalysis Today, 2005, 101, 397-405.	4.4	21
32	Photocatalytic formation of a carbamate through ethanol-assisted carbonylation of p-nitrotoluene. Chemical Communications, 2005, , 1749.	4.1	21
33	Mechanism of Electrodeposition of Lead Dioxide from Nitrate Solutions. Russian Journal of Electrochemistry, 2003, 39, 615-621.	0.9	40
34	Photocatalysis with Organized Systems for the Oxofunctionalization of Hydrocarbons by O2. ChemInform, 2003, 34, no.	0.0	1
35	CH2Cl2-assisted functionalization of cycloalkenes by photoexcited (nBu4N)4W10O32 heterogenized on SiO2. Journal of Molecular Catalysis A, 2003, 204-205, 703-711.	4.8	22
36	Electrochemical Synthesis and Characterization of Redox Polymer Nanostructures. Langmuir, 2003, 19, 9005-9012.	3.5	38

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37	Electrosynthesis and Physicochemical Properties of PbO[sub 2] Films. Journal of the Electrochemical Society, 2002, 149, C445.	2.9	112
38	Tetralkylammonium and Sodium Decatungstate Heterogenized on Silica:â€‰ Effects of the Nature of Cations on the Photocatalytic Oxidation of Organic Substrates. Langmuir, 2002, 18, 5400-5405.	3.5	40
39	Photocatalysis with Organized Systems for the Oxofunctionalization of Hydrocarbons by O2. Chemical Reviews, 2002, 102, 3811-3836.	47.7	444
40	Electrodeposition of Co-doped lead dioxide and its physicochemical properties. Journal of Electroanalytical Chemistry, 2002, 527, 56-64.	3.8	122
41	Influence of the electrode history and effects of the electrolyte composition and temperature on O2 evolution at Î²-PbO2 anodes in acid media. Journal of Electroanalytical Chemistry, 2002, 534, 1-12.	3.8	112
42	Lead dioxide electrodes for high potential anodic processes. Journal of the Serbian Chemical Society, 2001, 66, 835-845.	0.8	24
43	Photocatalyzed Oxidation of Cyclohexene and Cyclooctene with (nBu4N)4W10O32 and (nBu4N)4W10O32/FeIII[meso-Tetrakis(2,6-dichlorophenyl)porphyrin] in Homogeneous and Heterogeneous Systems. European Journal of Inorganic Chemistry, 2000, 2000, 91-96.	2.0	42
44	Electrosynthesis and physicochemical properties of Fe-doped lead dioxide electrocatalysts. Electrochimica Acta, 2000, 45, 4341-4350.	5.2	77
45	Phororedox and photocatalytic processes on Fe(III)â€“porphyrin surface modified nanocrystalline TiO2. Journal of Molecular Catalysis A, 2000, 158, 521-531.	4.8	58
46	Electrochemical oxidation of trans-3,4-dihydroxycinnamic acid at PbO2 electrodes: direct electrolysis and ozone mediated reactions compared. Electrochimica Acta, 2000, 46, 341-347.	5.2	113
47	Oxygen and ozone evolution at fluoride modified lead dioxide electrodes. Electrochimica Acta, 1999, 45, 713-720.	5.2	156
48	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
49	Catalytic oxygenation of cyclohexane by photoexcited (nBu4N)4W10O32: the role of radicals. Inorganica Chimica Acta, 1997, 256, 309-312.	2.4	48
50	A reappraisal of the photo-oxidation mechanism at short and long wavelengths for poly(2,6-dimethyl-1,4-phenylene oxide). Polymer, 1996, 37, 903-916.	3.8	15
51	Photocatalytic oxidation of cyclohexane by (nBu4N)4W10O32Fe(III)prophyrins integrated systems. Journal of Molecular Catalysis A, 1996, 113, 147-157.	4.8	45
52	Redox properties of photoexcited (nBu4N)3PW12O40FeIII porphyrins composite systems. Journal of Molecular Catalysis A, 1996, 114, 141-150.	4.8	13
53	Electrochemical treatment of bisphenol-A containing wastewaters. Journal of Applied Electrochemistry, 1994, 24, 1052-1058.	2.9	61
54	Photocatalytic Processes with Polyoxotungstates: Oxidation of Cyclohexylamine. Inorganic Chemistry, 1994, 33, 2968-2973.	4.0	62

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55	Photochemistry of Iron-porphyrin complexes. Biomimetics and catalysis. Coordination Chemistry Reviews, 1993, 125, 143-154.	18.8	52
56	Photooxidation of hydrocarbons on porphyrin-modified titanium dioxide powders. Journal of the Chemical Society Chemical Communications, 1992, , 1355.	2.0	41
57	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
58	Gas-phase electroreduction of O2 on goldâ€"Nafion and (underpotential deposition, gold)â€"NafionÂ® electrodes. Journal of Electroanalytical Chemistry, 1992, 339, 85-100.	3.8	8
59	Oxidation of alkanes by dioxygen catalysed by photoactivated iron porphyrins. Journal of the Chemical Society Chemical Communications, 1991, , 1487.	2.0	52
60	Photodeposition of uranium oxides onto TiO2 from aqueous uranyl solutions. Journal of the Chemical Society, Faraday Transactions, 1991, 87, 3267.	1.7	80
61	Photochemical and Photocatalytic Properties Iron-Tetra-Aryl-Porphyrins. Topics in Molecular Organization and Engineering, 1991, , 103-118.	0.1	1
62	Photo-oxidative cyanation of aromatics on semiconductor powder suspensions I: oxidation processes involving radical species. Journal of Photochemistry and Photobiology A: Chemistry, 1990, 53, 263-271.	3.9	24
63	Reduction of nitroaromatic compounds by photo-reduced heteropolytungstates. Journal of Molecular Catalysis, 1990, 59, L9-L14.	1.2	16
64	Photocatalytic reactions in the 2,3,7,8,12,13,17,18-octaethylporphyrinatoiron(III)â€"ethanolâ€"carbon tetrachloride system. Journal of the Chemical Society Dalton Transactions, 1989, , 1197-1201.	1.1	16
65	ESR spin-trapping investigation of azide oxidation on cadmium sulfide and zinc oxide suspensions. The Journal of Physical Chemistry, 1989, 93, 6448-6453.	2.9	20
66	An electron spin resonance spin trapping investigation of azide oxidation on TiO2 powder suspensions. Canadian Journal of Chemistry, 1988, 66, 76-80.	1.1	13
67	Photochemical and photocatalytic behaviour of â€˜flyover-bridgeâ€™ complexes. Journal of the Chemical Society Dalton Transactions, 1988, , 2519-2524.	1.1	8
68	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
69	Photoreduction of fe(iii) protoporphyrin ix in ethanol-water solutions containing bifunctional ligands. Polyhedron, 1986, 5, 1297-1301.	2.2	5
70	An ESR spin trapping investigation on the photoreduction of chlorohemin in mixed solvents. Inorganica Chimica Acta, 1983, 74, 275-278.	2.4	25
71	Capillary wear effects in interfacial tension measurements with the Lippmann electrometer. Journal of Colloid and Interface Science, 1978, 63, 61-68.	9.4	12