

Luiz Carlos Alves Oliveira

List of Publications by Year in descending order

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Version: 2024-02-01

155
papers

7,260
citations

53751

45
h-index

62565

80
g-index

155
all docs

155
docs citations

155
times ranked

8727
citing authors

#	ARTICLE	IF	CITATIONS
1	Theoretical and X-ray Evidence of Electrostatic Phosphonium anti and gauche Effects. <i>ChemPhysChem</i> , 2022, , e202100856.	1.0	0
2	Purification of arsenic-contaminated water using iron molybdate filters and monitoring of their genotoxic, mutagenic, and cytotoxic effects through bioassays. <i>Environmental Science and Pollution Research</i> , 2021, 28, 5714-5730.	2.7	2
3	A Sociodemographic Profile of Mask Use During the COVID-19 Outbreak Among Young and Elderly Individuals in Brazil: Online Survey Study. <i>JMIR Aging</i> , 2021, 4, e28989.	1.4	0
4	Removal of mercury(II) from contaminated water by gold-functionalised Fe ₃ O ₄ magnetic nanoparticles. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 959-970.	1.2	16
5	New Approach to Dehydration of Xylose to 2-Furfuraldehyde Using a Mesoporous Niobium-Based Catalyst. <i>ACS Omega</i> , 2020, 5, 21392-21400.	1.6	9
6	Selective oxidation of aniline into azoxybenzene catalyzed by Nb-peroxy@iron oxides at room temperature. <i>New Journal of Chemistry</i> , 2020, 44, 8710-8717.	1.4	9
7	Nanoparticles of niobium oxyhydroxide incorporated in different polymers for photocatalytic degradation of dye. <i>Journal of Polymer Research</i> , 2019, 26, 1.	1.2	9
8	Multifunctional Nb-Cu nanostructured materials as potential adsorbents and oxidation catalysts for real wastewater decontamination. <i>New Journal of Chemistry</i> , 2019, 43, 9134-9144.	1.4	5
9	Simple synthesis and characterization of l-Cystine functionalized Fe-FeOOH for highly efficient Hg(II) removal from contaminated water and mining waste. <i>Chemosphere</i> , 2019, 215, 422-431.	4.2	57
10	Magnetic photocatalysts from industrial residues and TiO ₂ for the degradation of organic contaminants. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102826.	3.3	14
11	Purification of arsenic-contaminated water with K-jarosite filters. <i>Environmental Science and Pollution Research</i> , 2018, 25, 13857-13867.	2.7	7
12	Development of Fe/Nb-based solar photocatalysts for water treatment: impact of different synthesis routes on materials properties. <i>Environmental Science and Pollution Research</i> , 2018, 25, 27737-27747.	2.7	3
13	Bioengineered carboxymethyl cellulose-doxorubicin prodrug hydrogels for topical chemotherapy of melanoma skin cancer. <i>Carbohydrate Polymers</i> , 2018, 195, 401-412.	5.1	51
14	Simultaneous deoxygenation, cracking and isomerization of palm kernel oil and palm olein over beta zeolite to produce biogasoline, green diesel and biojet-fuel. <i>Fuel</i> , 2018, 223, 149-156.	3.4	101
15	Peroxonio niobium inhibits leukemia cell growth. <i>RSC Advances</i> , 2018, 8, 10310-10313.	1.7	10
16	Use of poly(3-hydroxybutyrate)/niobium oxyhydroxide nanocomposites in photocatalysis: Effect of preparation methods. <i>Journal of Applied Polymer Science</i> , 2018, 135, 5836.	1.3	2
17	Superabsorbent crosslinked carboxymethyl cellulose-PEG hydrogels for potential wound dressing applications. <i>International Journal of Biological Macromolecules</i> , 2018, 106, 1218-1234.	3.6	292
18	Adsorption of diclofenac on a magnetic adsorbent based on maghemite: experimental and theoretical studies. <i>New Journal of Chemistry</i> , 2018, 42, 437-449.	1.4	63

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19	Eco-friendly and biocompatible cross-linked carboxymethylcellulose hydrogels as adsorbents for the removal of organic dye pollutants for environmental applications. <i>Environmental Technology</i> (United Kingdom), 2018, 39, 2856-2872.	1.2	48
20	Electrocatalytic performance of different cobalt molybdate structures for water oxidation in alkaline media. <i>CrystEngComm</i> , 2018, 20, 5592-5601.	1.3	27
21	Mesoporous Niobium Oxyhydroxide Catalysts for Cyclohexene Epoxidation Reactions. <i>Applied Sciences</i> (Switzerland), 2018, 8, 881.	1.3	7
22	High Water Oxidation Performance of W-doped BiVO ₄ Photoanodes Coupled to V ₂ O ₅ Rods as a Photoabsorber and Hole Carrier. <i>Solar Rrl</i> , 2018, 2, 1800089.	3.1	22
23	Synthesis of glycerol carbonate over a 2D coordination polymer built with Nd ³⁺ ions and organic ligands. <i>Dalton Transactions</i> , 2018, 47, 10976-10988.	1.6	3
24	Magnetic iron species highly dispersed over silica: use as catalysts for removal of pollutants in water. <i>Environmental Science and Pollution Research</i> , 2017, 24, 6114-6125.	2.7	10
25	Thermodynamic Study of Methylene Blue Adsorption on Carbon Nanotubes Using Isothermal Titration Calorimetry: A Simple and Rigorous Approach. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 729-737.	1.0	35
26	Carboxymethylcellulose/ZnCdS fluorescent quantum dot nanoconjugates for cancer cell bioimaging. <i>International Journal of Biological Macromolecules</i> , 2017, 96, 675-686.	3.6	70
27	A hybrid catalyst for decontamination of organic pollutants based on a bifunctional dicopper(II) complex anchored over niobium oxyhydroxide. <i>Applied Catalysis B: Environmental</i> , 2017, 209, 339-345.	10.8	8
28	Control of properties of nanocomposites bio-based collagen and cellulose nanocrystals. <i>Cellulose</i> , 2017, 24, 1731-1744.	2.4	13
29	PET-modified red mud as catalysts for oxidative desulfurization reactions. <i>Journal of Environmental Sciences</i> , 2017, 57, 312-320.	3.2	14
30	Nanostructured niobium oxide synthesized by a new route using hydrothermal treatment: High efficiency in oxidation reactions. <i>Applied Catalysis B: Environmental</i> , 2017, 205, 481-488.	10.8	48
31	Eleonorite, Fe ₆ ³⁺ (PO ₄) ₄ O(OH) ₄ ·6H ₂ O: validation as a mineral species and new data. <i>Mineralogical Magazine</i> , 2017, 81, 61-76.	0.6	11
32	Thermodynamic study of a magnetic molecular imprinted polymer for removal of nitrogenous pollutant from gasoline. <i>Fuel</i> , 2017, 210, 380-389.	3.4	28
33	Marigold (<i>Tagetes erecta</i>): The Potential Value in the Phytoremediation of Chromium. <i>Pedosphere</i> , 2017, 27, 559-568.	2.1	35
34	Improved photocatalytic activity of FeOOH by using H ₂ O ₂ as an electron acceptor. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 332, 54-59.	2.0	35
35	Nb and V-modified silicate for conversion of glycerol: Comparison between the waste and commercial product. <i>Catalysis Today</i> , 2017, 289, 258-263.	2.2	15
36	Converting Fe-rich magnetic wastes into active photocatalysts for environmental remediation processes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 335, 259-267.	2.0	7

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37	Improved self-healing properties of collagen using polyurethane microcapsules containing reactive diisocyanate. <i>Polymer International</i> , 2016, 65, 721-727.	1.6	7
38	Composites based on PET and red mud residues as catalyst for organic removal from water. <i>Journal of Hazardous Materials</i> , 2016, 314, 304-311.	6.5	52
39	Heteropoly acid catalysts for the synthesis of fragrance compounds from bio-renewables: acetylation of nopol and terpenic alcohols. <i>RSC Advances</i> , 2016, 6, 43217-43222.	1.7	12
40	Recycled collagen films as biomaterials for controlled drug delivery. <i>New Journal of Chemistry</i> , 2016, 40, 8502-8510.	1.4	18
41	Immobilization of soybean peroxidase on silica-coated magnetic particles: a magnetically recoverable biocatalyst for pollutant removal. <i>RSC Advances</i> , 2016, 6, 83856-83863.	1.7	33
42	Adsorption of arsenic from water and its recovery as a highly active photocatalyst. <i>Environmental Science and Pollution Research</i> , 2016, 23, 21969-21979.	2.7	13
43	A hole inversion layer at the BiVO ₄ /Bi ₄ V ₂ O ₁₁ interface produces a high tunable photovoltage for water splitting. <i>Scientific Reports</i> , 2016, 6, 31406.	1.6	54
44	Enhanced catalytic activity for fructose conversion on nanostructured niobium oxide after hydrothermal treatment: Effect of morphology and porous structure. <i>Journal of Molecular Catalysis A</i> , 2016, 422, 23-34.	4.8	17
45	Oxidative dehydration reaction of glycerol into acrylic acid: A first-principles prediction of structural and thermodynamic parameters of a bifunctional catalyst. <i>Chemical Physics Letters</i> , 2016, 651, 161-167.	1.2	16
46	Nanostructured niobium oxyhydroxide dispersed Poly (3-hydroxybutyrate) (PHB) films: Highly efficient photocatalysts for degradation methylene blue dye. <i>Applied Catalysis B: Environmental</i> , 2016, 189, 141-150.	10.8	46
47	Nanostructured oxyhydroxide niobium (NbO ₂ /OH) as UV radiation protector for polypropylene. <i>RSC Advances</i> , 2016, 6, 5040-5048.	1.7	5
48	Hybrid heterostructures based on hematite and highly hydrophilic carbon dots with photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2016, 182, 204-212.	10.8	47
49	Photoelectrochemical water oxidation over fibrous and sponge-like BiVO ₄ /Bi ₄ V ₂ O ₁₁ photoanodes fabricated by spray pyrolysis. <i>Applied Catalysis B: Environmental</i> , 2016, 182, 247-256.	10.8	49
50	Resíduo de Curtumes como Fonte de Nitrogênio para Trigo e Arroz em Sucesso. <i>Revista Brasileira De Ciencia Do Solo</i> , 2015, 39, 1445-1455.	0.5	2
51	Almeidaite, Pb(Mn,Y)Zn ₂ (Ti,Fe ³⁺) ₁₈ O ₃₆ (O,OH) ₂ , a new crichtonite-group mineral, from Novo Horizonte, Bahia, Brazil. <i>Mineralogical Magazine</i> , 2015, 79, 269-283.	0.6	14
52	Nanostructured vanadium-doped iron oxide: catalytic oxidation of methylene blue dye. <i>New Journal of Chemistry</i> , 2015, 39, 3051-3058.	1.4	40
53	Green acid catalyst obtained from industrial wastes for glycerol etherification. <i>Fuel Processing Technology</i> , 2015, 138, 695-703.	3.7	27
54	Peroxo-niobium oxyhydroxide sensitized TiO ₂ crystals. <i>RSC Advances</i> , 2015, 5, 44567-44570.	1.7	9

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55	Generating active and non-selective oxidizing species by previous treatment of niobium-doped mesoporous silica with hydrogen peroxide. <i>New Journal of Chemistry</i> , 2015, 39, 5316-5321.	1.4	6
56	Amphiphilic property of niobium oxyhydroxide for waste glycerol conversion to produce solketal. <i>Catalysis Today</i> , 2015, 254, 83-89.	2.2	38
57	A fast and environment-friendly method for determination of chemical oxygen demand by using the heterogeneous Fenton-like process (H_2O_2/Fe_3O_4 nanoparticles) as an oxidant. <i>Talanta</i> , 2015, 135, 75-80.	2.9	19
58	Synergism between n-type WO_3 and p-type \hat{I} -FeOOH semiconductors: High interfacial contacts and enhanced photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2015, 165, 579-588.	10.8	54
59	Nb-doped hematite: Highly active catalyst for the oxidation of organic dyes in water. <i>Catalysis Today</i> , 2015, 240, 176-181.	2.2	34
60	Use of Ethylenediaminetetraacetic Acid as a Scavenger for Chromium from "Wet Blue" Leather Waste: Thermodynamic and Kinetics Parameters. <i>Journal of Chemistry</i> , 2014, 2014, 1-8.	0.9	11
61	A photocatalytic process for the eradication of dengue through $\cdot OH$ generation in the presence of sunlight and iron oxide. <i>RSC Advances</i> , 2014, 4, 63650-63654.	1.7	2
62	Correianevesite, $Fe_2Mn_2(PO_4)_2 \cdot 3H_2O$, a new reddingite-group mineral from the Cigana mine, Conselheiro Pena, Minas Gerais, Brazil. <i>American Mineralogist</i> , 2014, 99, 811-816.	0.9	8
63	Effect of iron precursor on the Fenton-like activity of Fe_2O_3 /mesoporous silica catalysts prepared under mild conditions. <i>Applied Catalysis B: Environmental</i> , 2014, 144, 792-799.	10.8	76
64	Modified Niobium Oxyhydroxide Catalyst: An Acetalization Reaction to Produce Bio-additives for Sustainable Use of Waste Glycerol. <i>ChemCatChem</i> , 2014, 6, 2961-2969.	1.8	29
65	Amphiphilic niobium oxyhydroxide as a hybrid catalyst for sulfur removal from fuel in a biphasic system. <i>Applied Catalysis B: Environmental</i> , 2014, 147, 43-48.	10.8	28
66	Micro Mesoporous Activated Carbon from Coffee Husk as Biomass Waste for Environmental Applications. <i>Waste and Biomass Valorization</i> , 2013, 4, 395-400.	1.8	26
67	A novel floating photocatalyst device based on cloth canvas impregnated with iron oxide. <i>New Journal of Chemistry</i> , 2013, 37, 2486.	1.4	14
68	Enhanced photocatalytic hydrogen generation from water by $Ni(OH)_2$ loaded on Ni-doped \hat{I} -FeOOH nanoparticles obtained by one-step synthesis. <i>RSC Advances</i> , 2013, 3, 20308.	1.7	24
69	Synergistic co-processing of Red Mud waste from the Bayer process and a crude untreated waste stream from bio-diesel production. <i>Green Chemistry</i> , 2013, 15, 496.	4.6	32
70	A novel hydrofobic niobium oxyhydroxide as catalyst: Selective cyclohexene oxidation to epoxide. <i>Applied Catalysis A: General</i> , 2013, 454, 88-92.	2.2	41
71	Catalytic carbon deposition-oxidation over Ni, Fe and Co catalysts: A new indirect route to store and transport gas hydrocarbon fuels. <i>Catalysis Communications</i> , 2013, 32, 58-61.	1.6	7
72	Production of compounds to be used as fuel additive: Glycerol conversion using Nb-doped MgAl mixed oxide. <i>Catalysis Today</i> , 2013, 213, 65-72.	2.2	10

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73	Activated carbon prepared from coffee pulp: potential adsorbent of organic contaminants in aqueous solution. <i>Water Science and Technology</i> , 2013, 68, 1085-1090.	1.2	22
74	Óxidos de ferro e suas aplicações em processos catalíticos: uma revisão. <i>Química Nova</i> , 2013, 36, 123-130.	0.3	49
75	An unusually thermally stable magnetite from a niobium mine in Brazil. <i>Clay Minerals</i> , 2012, 47, 69-79.	0.2	1
76	Iron oxide catalysts: Fenton and Fentonlike reactions – a review. <i>Clay Minerals</i> , 2012, 47, 285-302.	0.2	317
77	Synthesis and characterization of iron/niobium composites: Catalyst for dye wastewater treatments. <i>Catalysis Communications</i> , 2012, 26, 209-213.	1.6	21
78	Magnetic composites based on metallic nickel and molybdenum carbide: A potential material for pollutants removal. <i>Journal of Hazardous Materials</i> , 2012, 241-242, 73-81.	6.5	21
79	Effect of tungsten doping on catalytic properties of niobium oxide. <i>Journal of the Brazilian Chemical Society</i> , 2012, , .	0.6	6
80	Iron: a versatile element to produce materials for environmental applications. <i>Journal of the Brazilian Chemical Society</i> , 2012, 23, 1579-1593.	0.6	43
81	Síntese de acetato de celulose a partir da palha de feijão utilizando N-bromossuccinimida (NBS) como catalisador. <i>Polímeros</i> , 2012, 22, 447-452.	0.2	11
82	Potential of wet blue leather waste for ruminant feeding. <i>Revista Brasileira De Zootecnia</i> , 2012, 41, 1070-1073.	0.3	3
83	Amphiphilic catalysts based on onion-like carbon over magnetic iron oxide for petrochemical industry use. <i>Fuel</i> , 2012, 96, 604-607.	3.4	15
84	Hybrid layer-by-layer assembly based on animal and vegetable structural materials: multilayered films of collagen and cellulose nanowhiskers. <i>Soft Matter</i> , 2011, 7, 4405.	1.2	52
85	Catalysts based on clay and iron oxide for oxidation of toluene. <i>Applied Clay Science</i> , 2011, 51, 385-389.	2.6	73
86	Processo de transferência de tecnologia da universidade para a indústria: estudo de caso envolvendo a conversão de glicerol. <i>Química Nova</i> , 2011, 34, 1852-1855.	0.3	0
87	Removal of Cadmium Ions from Water by Synthetic Niobia. <i>Adsorption Science and Technology</i> , 2011, 29, 789-797.	1.5	0
88	Removal of organic dyes using Cr-containing activated carbon prepared from leather waste. <i>Journal of Hazardous Materials</i> , 2011, 192, 1094-1099.	6.5	47
89	Heterogeneous catalyst based on peroxo-niobium complexes immobilized over iron oxide for organic oxidation in water. <i>Applied Catalysis B: Environmental</i> , 2011, 107, 237-244.	10.8	59
90	Photocatalytic Degradation of Organic Compound in Water using Synthetic Niobia: Experimental and Theoretical Studies. <i>Topics in Catalysis</i> , 2011, 54, 270-276.	1.3	17

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91	Recycling of solid waste rich in organic nitrogen from leather industry: Mineral nutrition of rice plants. <i>Journal of Hazardous Materials</i> , 2011, 186, 1064-1069.	6.5	46
92	Preparation of CuO/SiO ₂ and photocatalytic activity by degradation of methylene blue. <i>Environmental Chemistry Letters</i> , 2010, 8, 63-67.	8.3	83
93	Niobian iron oxides as heterogeneous Fenton catalysts for environmental remediation. <i>Hyperfine Interactions</i> , 2010, 195, 27-34.	0.2	9
94	Use of activated carbon as a reactive support to produce highly active-regenerable Fe-based reduction system for environmental remediation. <i>Chemosphere</i> , 2010, 81, 7-12.	4.2	55
95	Incorporation of mineral phosphorus and potassium on leather waste (collagen): A new NcollagenPK-fertilizer with slow liberation. <i>Journal of Hazardous Materials</i> , 2010, 176, 374-380.	6.5	39
96	Effect of Ni incorporation into goethite in the catalytic activity for the oxidation of nitrogen compounds in petroleum. <i>Applied Catalysis A: General</i> , 2010, 381, 36-41.	2.2	25
97	Avaliação e remoção de cobre em aguardentes de cana pela utilização dos aluminossilicatos: zeólita e bentonita. <i>Ciencia E Agrotecnologia</i> , 2010, 34, 1109-1115.	1.5	9
98	Utilization of Sn/Nb ₂ O ₅ composite for the removal of methylene blue. <i>Quimica Nova</i> , 2010, 33, 528-531.	0.3	20
99	Understanding the Molecular Behavior of Organotin Compounds to Design their Effective Use as Agrochemicals: Exploration via Quantum Chemistry and Experiments. <i>Journal of Biomolecular Structure and Dynamics</i> , 2010, 28, 227-238.	2.0	41
100	Chromium poisoning in rats feeding on tannery residues. <i>Animal Production Science</i> , 2010, 50, 293.	0.6	1
101	Modified Niobia As a New Catalyst for Selective Production of Dimethoxymethane from Methanol. <i>Energy & Fuels</i> , 2010, 24, 4793-4796.	2.5	24
102	Remoção de compostos orgânicos em água empregando carvão ativado impregnado com óxido de ferro: ação combinada de adsorção e oxidação em presença de H ₂ O ₂ . <i>Quimica Nova</i> , 2009, 32, 1561-1565.	0.3	12
103	Acid-catalyzed oligomerization of glycerol investigated by electrospray ionization mass spectrometry. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 1667-1673.	0.6	37
104	Síntese e caracterização de nanopartículas de óxido de ferro suportadas em matriz carbonácea: remoção do corante orgânico azul de metileno em água. <i>Quimica Nova</i> , 2009, 32, 1723-1726.	0.3	8
105	Niobia sintética modificada como catalisador na oxidação de corante orgânico: utilização de H ₂ O ₂ e O ₂ atmosférico como oxidantes. <i>Quimica Nova</i> , 2009, 32, 1373-1377.	0.3	11
106	Effect of Hydrogen Treatment on the Catalytic Activity of Iron Oxide Based Materials Dispersed Over Activated Carbon: Investigations Toward Hydrogen Peroxide Decomposition. <i>Catalysis Letters</i> , 2009, 133, 41-48.	1.4	36
107	Brazilian cachaça: single-shot typification of fresh alembic and industrial samples via electrospray ionization mass spectrometry fingerprinting. <i>Food Chemistry</i> , 2009, 115, 1064-1068.	4.2	32
108	Activated carbon/iron oxide composites for the removal of atrazine from aqueous medium. <i>Journal of Hazardous Materials</i> , 2009, 164, 609-614.	6.5	168

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109	Preparation of activated carbons from coffee husks utilizing FeCl ₃ and ZnCl ₂ as activating agents. <i>Journal of Hazardous Materials</i> , 2009, 165, 87-94.	6.5	231
110	Catalytic oxidation of sulfur and nitrogen compounds from diesel fuel. <i>Applied Catalysis A: General</i> , 2009, 360, 205-209.	2.2	74
111	Iron oxide dispersed over activated carbon: Support influence on the oxidation of the model molecule methylene blue. <i>Applied Catalysis A: General</i> , 2009, 367, 53-58.	2.2	108
112	Nb-doped hematites for decomposition of isopropanol: Evidence of surface reactivity by in situ CO adsorption. <i>Applied Catalysis A: General</i> , 2009, 368, 17-21.	2.2	26
113	Synthesis and thermal treatment of Cu-doped goethite: Oxidation of quinoline through heterogeneous fenton process. <i>Applied Catalysis B: Environmental</i> , 2009, 91, 581-586.	10.8	92
114	Nb-containing hematites Fe _{2-<i>x</i>} Nb _{<i>x</i>} O ₃ : The role of Nb ⁵⁺ on the reactivity in presence of the H ₂ O ₂ or ultraviolet light. <i>Applied Catalysis A: General</i> , 2009, 357, 79-84.	2.2	66
115	The molecular basis for the behaviour of niobia species in oxidation reaction probed by theoretical calculations and experimental techniques. <i>Molecular Physics</i> , 2009, 107, 171-179.	0.8	20
116	Brazilian Limonite for the Oxidation of Quinoline: High Activity after a Simple Magnetic Separation. <i>Energy & Fuels</i> , 2009, 23, 4426-4430.	2.5	12
117	Reactive adsorption of methylene blue on montmorillonite via an ESI-MS study. <i>Applied Clay Science</i> , 2009, 43, 190-195.	2.6	52
118	Adsorção e dessorção aniônicas individuais por gibbsita pedogenética. <i>Quimica Nova</i> , 2009, 32, 99-105.	0.3	15
119	Catalytic behavior of niobia species on oxidation reactions: insights from experimental and theoretical models. <i>Journal of Materials Science</i> , 2008, 43, 5982-5988.	1.7	8
120	Removal of As(V) and Cr(VI) from aqueous solutions using solid waste from leather industry. <i>Journal of Hazardous Materials</i> , 2008, 151, 280-284.	6.5	110
121	Modified goethites as catalyst for oxidation of quinoline: Evidence of heterogeneous Fenton process. <i>Applied Catalysis A: General</i> , 2008, 347, 89-93.	2.2	59
122	Catalytic properties of goethite prepared in the presence of Nb on oxidation reactions in water: Computational and experimental studies. <i>Applied Catalysis B: Environmental</i> , 2008, 83, 169-176.	10.8	84
123	Preparation of activated carbon from leather waste: A new material containing small particle of chromium oxide. <i>Materials Letters</i> , 2008, 62, 3710-3712.	1.3	48
124	New materials based on modified synthetic Nb ₂ O ₅ as photocatalyst for oxidation of organic contaminants. <i>Catalysis Communications</i> , 2008, 10, 330-332.	1.6	102
125	Catalytic oxidation of aromatic VOCs with Cr or Pd-impregnated Al-pillared bentonite: Byproduct formation and deactivation studies. <i>Applied Clay Science</i> , 2008, 39, 218-222.	2.6	70
126	Utilização de resíduos da indústria de couro como fonte nitrogenada para o capim-elefante. <i>Revista Brasileira De Ciencia Do Solo</i> , 2008, 32, 417-424.	0.5	16

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127	Prepara��o e caracteriza��o de carv�o ativado produzido a partir de res�duos do beneficiamento do caf�. Quimica Nova, 2008, 31, 1048-1052.	0.3	40
128	Espectroscopia M�ssbauer na caracteriza��o de compostos ferrosos em solos e sua rela��o com reten��o de f�sforo. Quimica Nova, 2008, 31, 1467-1471.	0.3	7
129	Prepara��o de carv�o ativado em baixas temperaturas de carboniza��o a partir de rejeitos de caf�: utiliza��o de FeCl ₃ como agente ativante. Quimica Nova, 2008, 31, 1296-1300.	0.3	23
130	Materiais � base de �xido de ferro para oxida��o de compostos presentes no efluente da despolpa do caf�. Quimica Nova, 2008, 31, 1636-1640.	0.3	11
131	Ni�bia magn�tica como adsorvente de contaminantes org�nicos em meio aquoso: efeito da temperatura e do pH. Quimica Nova, 2008, 31, 518-522.	0.3	20
132	Effect of organic acid to enhance the oxidative power of the fenton-like system: Computational and empirical evidences. Catalysis Communications, 2007, 8, 131-134.	1.6	42
133	S�ntese e propriedades catal�ticas em rea��es de oxida��o de goethitas contendo ni�bio. Quimica Nova, 2007, 30, 925-929.	0.3	25
134	A new catalyst material based on niobia/iron oxide composite on the oxidation of organic contaminants in water via heterogeneous Fenton mechanisms. Applied Catalysis A: General, 2007, 316, 117-124.	2.2	153
135	Cr-containing magnetites Fe _{3-α} Cr _{α} O ₄ : The role of Cr ³⁺ and Fe ²⁺ on the stability and reactivity towards H ₂ O ₂ reactions. Applied Catalysis A: General, 2007, 332, 115-123.	2.2	156
136	Pure niobia as catalyst for the oxidation of organic contaminants: Mechanism study via ESI-MS and theoretical calculations. Chemical Physics Letters, 2007, 446, 133-137.	1.2	59
137	Natural and H ₂ -reduced limonite for organic oxidation by a Fenton-like system: Mechanism study via ESI-MS and theoretical calculations. Journal of Molecular Catalysis A, 2007, 278, 145-151.	4.8	33
138	Solid waste from leather industry as adsorbent of organic dyes in aqueous-medium. Journal of Hazardous Materials, 2007, 141, 344-347.	6.5	85
139	Comp�sitos magn�ticos baseados em hidrotalcitas para a remo��o de contaminantes ani�nicos em �gua. Quimica Nova, 2007, 30, 1077-1081.	0.3	15
140	Produ��o de carv�o a partir de res�duo de erva-mate para a remo��o de contaminantes org�nicos de meio aquoso. Ciencia E Agrotecnologia, 2007, 31, 1386-1391.	1.5	17
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