

Rochel Montero Lago

List of Publications by Year in descending order

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145
papers

4,955
citations

109264

35
h-index

106281

65
g-index

145
all docs

145
docs citations

145
times ranked

6172
citing authors

#	ARTICLE	IF	CITATIONS
1	Multifunctional glycerol/citric acid crosslinked polymer hydrophilic gel with absorptive and reducing properties. <i>New Journal of Chemistry</i> , 2021, 45, 2410-2416.	1.4	4
2	Use of iron mine tailing as fillers to polyethylene. <i>Scientific Reports</i> , 2021, 11, 7091.	1.6	10
3	Biphasic reaction of glycerol and oleic acid: Byproducts formation and phase transfer autocatalytic effect. <i>Catalysis Today</i> , 2020, 344, 227-233.	2.2	6
4	Solid acid catalysts based on sulfonated carbon nanostructures embedded in an amorphous matrix produced from bio-oil: esterification of oleic acid with methanol. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103674.	3.3	39
5	A new pyrolytic process with potential to convert free fatty acids into long chain nitriles and H ₂ intermediated by Fe nitrate. <i>Journal of Analytical and Applied Pyrolysis</i> , 2020, 145, 104726.	2.6	2
6	Amphiphilic acid carbon catalysts produced by bio-oil sulfonation for solvent-free glycerol ketalization. <i>Fuel</i> , 2020, 274, 117799.	3.4	23
7	Efficient activation of peroxymonosulfate by composites containing iron mining waste and graphitic carbon nitride for the degradation of acetaminophen. <i>Journal of Hazardous Materials</i> , 2020, 400, 123310.	6.5	35
8	Natural Mg silicates with different structures and morphologies: Reaction with K to produce K ₂ MgSiO ₄ catalyst for biodiesel production. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2020, 27, 46-54.	2.4	3
9	Heterogeneous acid catalyst based on sulfated iron ore tailings for oleic acid esterification. <i>Applied Catalysis A: General</i> , 2020, 600, 117624.	2.2	21
10	Use of neural network to analyze the kinetics of CO ₂ absorption in Li ₄ SiO ₄ /MgO composites from TG experimental data. <i>Thermochimica Acta</i> , 2020, 689, 178628.	1.2	4
11	Porous expanded vermiculite containing intercalated cetyltrimethylammonium: a versatile sorbent for the hormone ethinylestradiol from aqueous medium. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 2877-2884.	1.8	5
12	Use of montmorillonite to recover carboxylic acids from aqueous medium. <i>Separation and Purification Technology</i> , 2019, 229, 115751.	3.9	8
13	Study of the interactions of the hazardous amoxicillin antibiotic inside the MCM-41/CTA hydrophobic cavities. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 582, 123873.	2.3	6
14	Bio-oil: a versatile precursor to produce carbon nanostructures in liquid phase under mild conditions. <i>New Journal of Chemistry</i> , 2019, 43, 2430-2433.	1.4	11
15	Preparation of magnetic mesoporous composites from glycerol and iron(III) salt. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 95, 1038.	1.6	6
16	Surface restructuring of red mud to produce FeO x (OH) y sites and mesopores for the efficient complexation/adsorption of β -lactam antibiotics. <i>Environmental Science and Pollution Research</i> , 2018, 25, 6762-6771.	2.7	18
17	Ca(OH) ₂ nanoplates supported on activated carbon for the neutralization/removal of free fatty acids during biodiesel production. <i>Fuel</i> , 2018, 221, 469-475.	3.4	10
18	Iron Oxide Nanoparticles Supported on Mesoporous MCM-41 for Efficient Adsorption of Hazardous β -Lactamic Antibiotics. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	1.1	14

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19	Ozone oxidation of β -lactam antibiotic molecules and toxicity decrease in aqueous solution and industrial wastewaters heavily contaminated. <i>Ozone: Science and Engineering</i> , 2018, 40, 385-391.	1.4	25
20	Surface modified mesoporous nanocast carbon as a catalyst for aqueous sulfide oxidation and adsorption of the produced polysulfides. <i>New Journal of Chemistry</i> , 2018, 42, 11708-11714.	1.4	4
21	Solid state reaction of serpentinite $Mg_3Si_2O_5(OH)_4$ with Li^+ to produce Li_4SiO_4/MgO composites for the efficient capture of CO_2 . <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 4189-4195.	3.3	11
22	Use of iron and bio-oil wastes to produce highly dispersed Fe/C composites for the photo-Fenton reaction. <i>Environmental Science and Pollution Research</i> , 2017, 24, 6151-6156.	2.7	5
23	Multistage ozone and biological treatment system for real wastewater containing antibiotics. <i>Journal of Environmental Management</i> , 2017, 195, 110-116.	3.8	67
24	Conversion of fatty acids into hydrocarbon fuels based on a sodium carboxylate intermediate. <i>Catalysis Today</i> , 2017, 279, 260-266.	2.2	15
25	Alcoxycle: A novel route for glycerol reform into H_2 and CO_x in separate stages. <i>Catalysis Today</i> , 2017, 289, 127-132.	2.2	4
26	Micromesoporous Activated Carbons as Catalysts for the Efficient Oxidation of Aqueous Sulfide. <i>Langmuir</i> , 2017, 33, 11857-11861.	1.6	4
27	Tuning the surface properties of biochar by thermal treatment. <i>Bioresource Technology</i> , 2017, 246, 28-33.	4.8	53
28	PirÃ³lise de resÃ³duos de borrachas do setor de mineraÃ§Ã£o para a produÃ§Ã£o de combustÃveis: estudos em escala piloto. <i>Polimeros</i> , 2017, 27, 42-47.	0.2	1
29	Biomass Wastes from Biofuel Chains in Brazil: Bio-oil Production and Byproducts. <i>Revista Virtual De Quimica</i> , 2017, 9, 52-72.	0.1	2
30	Adsorption of the harmful hormone ethinyl estradiol inside hydrophobic cavities of CTA+ intercalated montmorillonite. <i>Water Science and Technology</i> , 2016, 74, 663-671.	1.2	9
31	Cellulose nanocrystals: A versatile precursor for the preparation of different carbon structures and luminescent carbon dots. <i>Industrial Crops and Products</i> , 2016, 93, 121-128.	2.5	44
32	Novel reductive extraction process to convert the bio-oil aqueous acid fraction into fuels with the recovery of iron from wastes. <i>Fuel</i> , 2016, 184, 36-41.	3.4	15
33	Role of $[FeO_x(OH)_y]$ surface sites on the adsorption of β -lactamic antibiotics on Al_2O_3 supported Fe oxide. <i>Journal of Hazardous Materials</i> , 2016, 317, 327-334.	6.5	23
34	K_2MgSiO_4 : A novel K^+ -trapped biodiesel heterogeneous catalyst produced from serpentinite $Mg_3Si_2O_5(OH)_4$. <i>Journal of Molecular Catalysis A</i> , 2016, 422, 258-265.	4.8	23
35	Hydrophobic channels produced by micelle-structured CTAB inside MCM-41 mesopores: A unique trap for the hazardous hormone ethinyl estradiol. <i>Chemical Engineering Journal</i> , 2016, 283, 1203-1209.	6.6	20
36	Catalytic oxidation of aqueous sulfide in the presence of ferrites (MFe_2O_4 , $M=Fe, Cu, Co$). <i>Catalysis Today</i> , 2016, 259, 222-227.	2.2	34

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37	New heterogeneous catalyst for the esterification of fatty acid produced by surface aromatization/sulfonation of oilseed cake. <i>Fuel</i> , 2015, 150, 408-414.	3.4	66
38	Efficient demulsification of wastewater by steel furnace dust with amphiphilic and surface charge properties. <i>Chemical Engineering Journal</i> , 2015, 271, 281-286.	6.6	22
39	Reactive porous composites for chromium(VI) reduction applications based on Fe/carbon obtained from post-consumer PET and iron oxide. <i>RSC Advances</i> , 2015, 5, 97248-97255.	1.7	8
40	Magnetic amphiphilic hybrid carbon nanotubes containing N-doped and undoped sections: powerful tensioactive nanostructures. <i>Nanoscale</i> , 2015, 7, 294-300.	2.8	34
41	Controlled formation of reactive Fe particles dispersed in a carbon matrix active for the oxidation of aqueous contaminants with H ₂ O ₂ . <i>Environmental Science and Pollution Research</i> , 2015, 22, 856-863.	2.7	15
42	Magnetic Carbon Nanofiber Networks as Support for Ionic Liquid Based Catalyst. <i>Catalysis Letters</i> , 2015, 145, 505-510.	1.4	8
43	Cellulose Nanocrystals Assembled on the Fe ₃ O ₄ Surface as Precursor to Prepare Interfaced C/Fe ₃ O ₄ Composites for the Oxidation of Aqueous Sulfide. <i>Journal of the Brazilian Chemical Society</i> , 2015, , .	0.6	5
44	Carbon deposition and oxidation using the waste red mud: A route to store, transport and use offshore gas lost in petroleum exploration. <i>Fuel</i> , 2014, 124, 7-13.	3.4	22
45	Oxidative desulfurization of dibenzothiophene over titanate nanotubes. <i>Fuel</i> , 2014, 132, 53-61.	3.4	78
46	Synergistic co-processing of an acidic hardwood derived pyrolysis bio-oil with alkaline Red Mud bauxite mining waste as a sacrificial upgrading catalyst. <i>Applied Catalysis B: Environmental</i> , 2014, 145, 187-196.	10.8	51
47	Generation of reactive oxygen species in titanates nanotubes induced by hydrogen peroxide and their application in catalytic degradation of methylene blue dye. <i>Journal of Molecular Catalysis A</i> , 2014, 394, 316-323.	4.8	26
48	Use of tar pitch as a binding and reductant of BFD waste to produce reactive materials for environmental applications. <i>Chemosphere</i> , 2014, 109, 143-149.	4.2	7
49	Oxidized few layer graphene and graphite as metal-free catalysts for aqueous sulfide oxidation. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9491.	5.2	25
50	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
51	Use of chrysotile to produce highly dispersed K-doped MgO catalyst for biodiesel synthesis. <i>Chemical Engineering Journal</i> , 2013, 232, 104-110.	6.6	38
52	Carbon-clay composite obtained from the decomposition of cellulose nanocrystals on the surface of expanded vermiculite. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 1130-1135.	1.6	4
53	Efficient and versatile fibrous adsorbent based on magnetic amphiphilic composites of chrysotile/carbon nanostructures for the removal of ethynilestradiol. <i>Journal of Hazardous Materials</i> , 2013, 248-249, 295-302.	6.5	23
54	Improvement of the thermal properties of poly(3-hydroxybutyrate) (PHB) by low molecular weight polypropylene glycol (LMWPPG) addition. <i>Journal of Applied Polymer Science</i> , 2013, 128, 3019-3025.	1.3	16

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55	Ketonization and deoxygenation of alkanolic acids and conversion of levulinic acid to hydrocarbons using a Red Mud bauxite mining waste as the catalyst. <i>Catalysis Today</i> , 2012, 190, 73-88.	2.2	62
56	Amphiphilic magnetic composites based on layered vermiculite and fibrous chrysotile with carbon nanostructures: Application in catalysis. <i>Catalysis Today</i> , 2012, 190, 133-143.	2.2	30
57	Controlled reduction of steel waste to produce active iron phases for environmental applications. <i>Chemical Engineering Journal</i> , 2012, 209, 645-651.	6.6	16
58	Ground vermiculite as catalyst for the Fenton reaction. <i>Applied Clay Science</i> , 2012, 69, 87-92.	2.6	25
59	Magnetic Amphiphilic Composites Applied for the Treatment of Biodiesel Wastewaters. <i>Applied Sciences (Switzerland)</i> , 2012, 2, 513-524.	1.3	22
60	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
61	Combined processes of glycerol polymerization/carbonization/activation to produce efficient adsorbents for organic contaminants. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 1654-1660.	1.6	12
62	Temperature Programmed CVD: A Novel Technique to Investigate Carbon Nanotube Synthesis on FeMo/MgO Catalysts. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 2661-2667.	0.9	9
63	Use of modified activated carbon for the oxidation of aqueous sulfide. <i>Carbon</i> , 2012, 50, 1386-1393.	5.4	32
64	Use of glycerol by-product of biodiesel to produce an efficient dust suppressant. <i>Chemical Engineering Journal</i> , 2012, 180, 364-369.	6.6	86
65	Hybrid magnetic amphiphilic composites based on carbon nanotube/nanofibers and layered silicates fragments as efficient adsorbent for ethynilestradiol. <i>Journal of Colloid and Interface Science</i> , 2012, 379, 84-88.	5.0	29
66	Catalysts based on clay and iron oxide for oxidation of toluene. <i>Applied Clay Science</i> , 2011, 51, 385-389.	2.6	73
67	Carbon nanostructures-modified expanded vermiculites produced by chemical vapor deposition from ethanol. <i>Applied Clay Science</i> , 2011, 54, 15-19.	2.6	23
68	Polimeriza�o do glicerol: uma rea�o simples e vers�til para produzir diferentes materiais a partir do coproduto do biodiesel. <i>Quimica Nova</i> , 2011, 34, 1079-1084.	0.3	9
69	Potential of modified iron-rich foundry waste for environmental applications: Fenton reaction and Cr(VI) reduction. <i>Journal of Hazardous Materials</i> , 2011, 194, 393-398.	6.5	19
70	Facile preparation of carbon coated magnetic Fe ₃ O ₄ particles by a combined reduction/CVD process. <i>Materials Research Bulletin</i> , 2011, 46, 748-754.	2.7	28
71	Effect of Sn on methane decomposition over Fe supported catalysts to produce carbon. <i>Hyperfine Interactions</i> , 2011, 203, 67-74.	0.2	1
72	Mossbauer study of carbon coated iron magnetic nanoparticles produced by simultaneous reduction/pyrolysis. <i>Hyperfine Interactions</i> , 2011, 202, 123-129.	0.2	10

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73	Thermal behavior of carbon nanotubes decorated with gold nanoparticles. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 105, 953-959.	2.0	18
74	Production of nanostructured magnetic composites based on FeO nuclei coated with carbon nanofibers and nanotubes from red mud waste and ethanol. <i>Applied Catalysis B: Environmental</i> , 2011, 105, 163-170.	10.8	37
75	TiO ₂ /LDPE composites: A new floating photocatalyst for solar degradation of organic contaminants. <i>Desalination</i> , 2011, 276, 266-271.	4.0	109
76	Use of the glycerol by-product of biodiesel to modify the surface of expanded vermiculite to produce an efficient oil absorbent. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 447-452.	1.6	5
77	Reduction of hematite with ethanol to produce magnetic nanoparticles of Fe ₃ O ₄ , Fe _{1-x} O or FeO coated with carbon. <i>Hyperfine Interactions</i> , 2010, 195, 15-19.	0.2	4
78	Magnetic nanoparticles based on iron coated carbon produced from the reaction of Fe ₂ O ₃ with CH ₄ : a Mössbauer study. <i>Hyperfine Interactions</i> , 2010, 195, 21-25.	0.2	2
79	Hematite reaction with tar to produce carbon/iron composites for the reduction of Cr(VI) contaminant. <i>Hyperfine Interactions</i> , 2010, 195, 43-48.	0.2	1
80	Decomposition of the molecular precursor Bu ₄ Sn ₆ S ₆ on the surface of TiO ₂ to prepare semiconductor composite photocatalysts. <i>Materials Research Bulletin</i> , 2010, 45, 174-180.	2.7	7
81	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
82	Surface chemical modification of polypropylene fiber waste by H ₂ SO ₄ : Mechanistic investigation and application as cation-exchange adsorbent. <i>Journal of Applied Polymer Science</i> , 2010, 115, 3586-3591.	1.3	8
83	Sulfonated polystyrene: A catalyst with acid and superabsorbent properties for the esterification of fatty acids. <i>Fuel</i> , 2010, 89, 257-259.	3.4	28
84	Magnetic amphiphilic composites based on carbon nanotubes and nanofibers grown on an inorganic matrix: effect on water-oil interfaces. <i>Journal of the Brazilian Chemical Society</i> , 2010, 21, 2184-2188.	0.6	29
85	Controlled reduction of red mud waste to produce active systems for environmental applications: Heterogeneous Fenton reaction and reduction of Cr(VI). <i>Chemosphere</i> , 2010, 78, 1116-1120.	4.2	81
86	Sistema RTP: uma técnica poderosa para o monitoramento da formação de nanotubos de carbono durante o processo por deposição de vapor químico. <i>Quimica Nova</i> , 2010, 33, 1379-1383.	0.3	5
87	Influência da temperatura e da natureza do catalisador na polimerização do glicerol. <i>Polimeros</i> , 2010, 20, 188-193.	0.2	12
88	Reunião dos editores. <i>Quimica Nova</i> , 2010, 33, 1017-1017.	0.3	0
89	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
90	Hidrólise parcial da superfície do polyethylene terephthalate (PET): transformando um rejeito em um material de troca catiônica para aplicação ambiental. <i>Quimica Nova</i> , 2009, 32, 1673-1676.	0.3	3

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91	Novel highly reactive and regenerable carbon/iron composites prepared from tar and hematite for the reduction of Cr(VI) contaminant. <i>Journal of Hazardous Materials</i> , 2009, 165, 1016-1022.	6.5	30
92	Catalytic growth of carbon nanotubes and nanofibers on vermiculite to produce floatable hydrophobic nanosponges for oil spill remediation. <i>Applied Catalysis B: Environmental</i> , 2009, 90, 436-440.	10.8	88
93	Modification of vermiculite by polymerization and carbonization of glycerol to produce highly efficient materials for oil removal. <i>Applied Clay Science</i> , 2009, 45, 213-219.	2.6	44
94	LaFeMnO ₃ perovskite as catalyst precursors for the CVD synthesis of carbon nanotubes. <i>Catalysis Today</i> , 2008, 133-135, 846-854.	2.2	17
95	Potential application of highly reactive Fe(0)/Fe ₃ O ₄ composites for the reduction of Cr(VI) environmental contaminants. <i>Chemosphere</i> , 2008, 71, 90-96.	4.2	72
96	LaMn _{1-x} Fe _x O ₃ and LaMn _{0.1-x} Fe _{0.90} Mo _x O ₃ perovskites: synthesis, characterization and catalytic activity in H ₂ O ₂ reactions. <i>Materials Research</i> , 2008, 11, 307-312.	0.6	26
97	The iodide-catalyzed decomposition of hydrogen peroxide: mechanistic details of an old reaction as revealed by electrospray ionization mass spectrometry monitoring. <i>Journal of the Brazilian Chemical Society</i> , 2008, 19, 1105-1110.	0.6	14
98	Natural gas storage in microporous carbon obtained from waste of the olive oil production. <i>Materials Research</i> , 2008, 11, 409-414.	0.6	19
99	Controlled reduction of LaFe _x Mn _y Mo _z O ₃ /Al ₂ O ₃ composites to produce highly dispersed and stable Fe ₀ catalysts: a Mössbauer investigation. <i>Materials Research</i> , 2008, 11, 233-238.	0.6	2
100	LaFe _x Mn _y Mo _z O ₃ catalysts for the oxidation of volatile aromatic organic contaminants. <i>Journal of the Brazilian Chemical Society</i> , 2007, 18, 1524-1530.	0.6	6
101	Investigation of the solid state reaction of LaMnO ₃ with Fe ⁰ and its effect on the catalytic reactions with H ₂ O ₂ . <i>Journal of the Brazilian Chemical Society</i> , 2007, 18, .	0.6	17
102	Publicações na área de catálise envolvendo institutos brasileiros: uma comparação entre os periódicos especializados e os da SBQ. <i>Química Nova</i> , 2007, 30, 1480-1483.	0.3	1
103	Floating photocatalysts based on TiO ₂ supported on high surface area exfoliated vermiculite for water decontamination. <i>Catalysis Communications</i> , 2006, 7, 538-541.	1.6	77
104	Experiments on Heterogeneous Catalysis Using a Simple Gas Chromatograph. <i>Journal of Chemical Education</i> , 2006, 83, 417.	1.1	3
105	Polymer coated vermiculite-iron composites: Novel floatable magnetic adsorbents for water spilled contaminants. <i>Applied Clay Science</i> , 2006, 31, 207-215.	2.6	48
106	Devulcanization of styrenebutadiene (SBR) waste tire by controlled oxidation. <i>Journal of the Brazilian Chemical Society</i> , 2006, 17, 603-608.	0.6	20
107	Investigation of reaction mechanisms by electrospray ionization mass spectrometry: characterization of intermediates in the degradation of phenol by a novel iron/magnetite/hydrogen peroxide heterogeneous oxidation system. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 1859-1863.	0.7	35
108	Highly reactive species formed by interface reaction between Fe ⁰ -iron oxides particles: An efficient electron transfer system for environmental applications. <i>Applied Catalysis A: General</i> , 2006, 307, 195-204.	2.2	79

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109	Novel active heterogeneous Fenton system based on $Fe^{3+}xMxO_4$ (Fe, Co, Mn, Ni): The role of M^{2+} species on the reactivity towards H_2O_2 reactions. Journal of Hazardous Materials, 2006, 129, 171-178.	6.5	428
110	Surface hydrolysis of postconsumer polyethylene terephthalate to produce adsorbents for cationic contaminants. Journal of Applied Polymer Science, 2006, 102, 5284-5291.	1.3	20
111	Formation of Highly Reactive Species at the Interface Fe^{2+} Iron Oxides Particles by Mechanical Alloying and Thermal Treatment: Potential Application in Environmental Remediation Processes. Chemistry Letters, 2005, 34, 1172-1173.	0.7	24
112	Ir_4 cluster-based selective catalytic hydrogenation of 1,5-cyclooctadiene. Journal of Molecular Catalysis A, 2005, 226, 243-251.	4.8	23
113	O estãmulao empreendedorismo nos cursos de quãmica: formando quãmicos empreendedores. Quimica Nova, 2005, 28, S18-S25.	0.3	8
114	High surface area functionalized carbon briquettes: a novel adsorbent for contaminants from water. Journal of the Brazilian Chemical Society, 2005, 16, 899-902.	0.6	7
115	"Spin-Off" acadãmico: criando riquezas a partir de conhecimento e pesquisa. Quimica Nova, 2005, 28, S26-S35.	0.3	6
116	Efficient use of Fe metal as an electron transfer agent in a heterogeneous Fenton system based on Fe_0/Fe_3O_4 composites. Chemosphere, 2005, 60, 1118-1123.	4.2	154
117	Membrane introduction mass spectrometry applied to the monitoring of chloroform degradation by hypochloride in acidic aqueous medium. Journal of the Brazilian Chemical Society, 2005, 16, 270-274.	0.6	3
118	Novel solvent free liquid-phase oxidation of β -pinene over heterogeneous catalysts based on $Fe^{3+}xMxO_4$ (M=Co and Mn). Applied Catalysis A: General, 2004, 269, 117-121.	2.2	36
119	The effect of H_2 treatment on the activity of activated carbon for the oxidation of organic contaminants in water and the H_2O_2 decomposition. Carbon, 2004, 42, 2279-2284.	5.4	149
120	Magnetic Particle Technology. A Simple Preparation of Magnetic Composites for the Adsorption of Water Contaminants. Journal of Chemical Education, 2004, 81, 248.	1.1	13
121	Catalytic properties of nanocomposites based on cobalt ferrites dispersed in sol-gel silica. Journal of Non-Crystalline Solids, 2004, 348, 201-204.	1.5	29
122	Quantitative determination of the enantiomeric composition of panthotenic acid solutions: a mass spectrometry experiment. Journal of the Brazilian Chemical Society, 2004, 15, 786-790.	0.6	4
123	Copper-Silica Sol-Gel Catalysts: Structural Changes of Cu Species upon Thermal Treatment. Journal of Sol-Gel Science and Technology, 2003, 26, 873-877.	1.1	6
124	Catalytic hydrodehalogenation of aromatic halides monitored by membrane introduction mass spectrometry. Rapid Communications in Mass Spectrometry, 2003, 17, 1507-1510.	0.7	6
125	Remarkable effect of Co and Mn on the activity of $Fe^{3+}M O_4$ promoted oxidation of organic contaminants in aqueous medium with H_2O_2 . Catalysis Communications, 2003, 4, 525-529.	1.6	130
126	Application of Fenton's reagent to regenerate activated carbon saturated with organochloro compounds. Chemosphere, 2003, 50, 1049-1054.	4.2	75

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127	Clay-iron oxide magnetic composites for the adsorption of contaminants in water. Applied Clay Science, 2003, 22, 169-177.	2.6	312
128	Application of membrane introduction mass spectrometry to the study of adsorption of organic compounds on activated carbon and solid phase extraction experiments. Analyst, The, 2003, 128, 884.	1.7	7
129	Preparation of highly dispersed Ru-Sn bimetallic supported catalysts from the single source precursors Cp(PPh ₃) ₂ Ru-SnX ₃ (X = Cl or Br). Materials Research, 2003, 6, 137-144.	0.6	4
130	The effect of thermal treatment on the properties of sol-gel palladium-silica catalysts. Journal of Non-Crystalline Solids, 2002, 304, 70-75.	1.5	10
131	Unique catalytic behaviour of Ir ₄ clusters for the selective hydrogenation of 1,5-cyclooctadiene. Catalysis Communications, 2002, 3, 541-545.	1.6	9
132	Activated carbon/iron oxide magnetic composites for the adsorption of contaminants in water. Carbon, 2002, 40, 2177-2183.	5.4	449
133	The effect of thermal treatment on the properties of sol-gel copper-silica catalysts. Applied Surface Science, 2001, 183, 216-222.	3.1	9
134	Surface properties and catalytic performance for ethane combustion of La _{1-x} K _x MnO ₃ + δ perovskites. Applied Catalysis A: General, 2001, 207, 17-24.	2.2	96
135	Hydrogen peroxide decomposition over Ln _{1-x} A _x MnO ₃ (Ln = La or Nd and A = K or Sr) perovskites. Applied Catalysis A: General, 2001, 215, 245-256.	2.2	113
136	On-line monitoring by membrane introduction mass spectrometry of chlorination of organics in water. Mechanistic and kinetic aspects of chloroform formation. , 2000, 35, 618-624.		24
137	Thermal decomposition of sulfur-containing organotin molecular precursors to produce phase-pure SnS. Physical Chemistry Chemical Physics, 2000, 2, 5708-5711.	1.3	20
138	MIMS evaluation of pervaporation processes. Physical Chemistry Chemical Physics, 1999, 1, 2501-2504.	1.3	10
139	Kinetics and Mechanism of Benzene Derivative Degradation with Fenton's Reagent in Aqueous Medium Studied by MIMS. Journal of Physical Chemistry A, 1998, 102, 10723-10727.	1.1	78
140	Platinum-complex-catalyzed 1,4-disilylation of 1,3-dienes using organodisilanes: remarkable effect of a phenyl functionality on silicon atom. Organometallics, 1992, 11, 2353-2355.	1.1	46
141	Iron Ore Tailings: Characterization and Applications. Journal of the Brazilian Chemical Society, 0, , .	0.6	13
142	Controlled Dehydration of Fe(OH) ₃ to Fe ₂ O ₃ : Developing Mesopores with Complexing Iron Species for the Adsorption of β -Lactam Antibiotics. Journal of the Brazilian Chemical Society, 0, , .	0.6	11
143	Serpentinites: Mineral Structure, Properties and Technological Applications. Journal of the Brazilian Chemical Society, 0, , .	0.6	13
144	Potential Slow Release Fertilizers Based on K ₂ MgSiO ₄ Obtained from Serpentine. Journal of the Brazilian Chemical Society, 0, , .	0.6	1

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145	Iron Recovery from Iron Ore Tailings by Direct Hydrogen Reduction at Low Temperature and Magnetic Separation. Journal of the Brazilian Chemical Society, 0, , .	0.6	2