Rochel Montero Lago

List of Publications by Year
in descending order

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	Activated carbon/iron oxide magnetic composites for the adsorption of contaminants in water. Carbon, 2002, 40, 2177-2183.	5.4	449
2	Novel active heterogeneous Fenton system based on Fe3â˜'xMxO4 (Fe, Co, Mn, Ni): The role of M2+ species on the reactivity towards H2O2 reactions. Journal of Hazardous Materials, 2006, 129, 171-178.	6.5	428
3	Clayâ€“iron oxide magnetic composites for the adsorption of contaminants in water. Applied Clay Science, 2003, 22, 169-177.	2.6	312
4	Efficient use of Fe metal as an electron transfer agent in a heterogeneous Fenton system based on Fe0/Fe3O4 composites. Chemosphere, 2005, 60, 1118-1123.	4.2	154
5	The effect of H2 treatment on the activity of activated carbon for the oxidation of organic contaminants in water and the H2O2 decomposition. Carbon, 2004, 42, 2279-2284.	5.4	149
6	Remarkable effect of Co and Mn on the activity of Fe3â˜'M O4 promoted oxidation of organic contaminants in aqueous medium with H2O2. Catalysis Communications, 2003, 4, 525-529.	1.6	130
7	Hydrogen peroxide decomposition over Ln1â˜'xAxMnO3 (Ln = La or Nd and A = K or Sr) perovskites. Applied Catalysis A: General, 2001, 215, 245-256.	2.2	113
8	TiO2/LDPE composites: A new floating photocatalyst for solar degradation of organic contaminants. Desalination, 2011, 276, 266-271.	4.0	109
9	Surface properties and catalytic performance for ethane combustion of La1â˜'xKxMnO3+Î´ perovskites. Applied Catalysis A: General, 2001, 207, 17-24.	2.2	96
10	Catalytic growth of carbon nanotubes and nanofibers on vermiculite to produce floatable hydrophobic â€œnanospongesâ€•for oil spill remediation. Applied Catalysis B: Environmental, 2009, 90, 436-440.	10.8	88
11	Use of glycerol by-product of biodiesel to produce an efficient dust suppressant. Chemical Engineering Journal, 2012, 180, 364-369.	6.6	86
12	Controlled reduction of red mud waste to produce active systems for environmental applications: Heterogeneous Fenton reaction and reduction of Cr(VI). Chemosphere, 2010, 78, 1116-1120.	4.2	81
13	Highly reactive species formed by interface reaction between Fe0â€“iron oxides particles: An efficient electron transfer system for environmental applications. Applied Catalysis A: General, 2006, 307, 195-204.	2.2	79
14	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
15	Oxidative desulfurization of dibenzothiophene over titanate nanotubes. Fuel, 2014, 132, 53-61.	3.4	78
16	Floating photocatalysts based on TiO2 supported on high surface area exfoliated vermiculite for water decontamination. Catalysis Communications, 2006, 7, 538-541.	1.6	77
17	Application of Fentonâ€™s reagent to regenerate activated carbon saturated with organochloro compounds. Chemosphere, 2003, 50, 1049-1054.	4.2	75
18	Catalysts based on clay and iron oxide for oxidation of toluene. Applied Clay Science, 2011, 51, 385-389.	2.6	73

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19	Potential application of highly reactive Fe(0)/Fe3O4 composites for the reduction of Cr(VI) environmental contaminants. Chemosphere, 2008, 71, 90-96.	4.2	72
20	Multistage ozone and biological treatment system for real wastewater containing antibiotics. Journal of Environmental Management, 2017, 195, 110-116.	3.8	67
21	New heterogeneous catalyst for the esterification of fatty acid produced by surface aromatization/sulfonation of oilseed cake. Fuel, 2015, 150, 408-414.	3.4	66
22	Ketonization and deoxygenation of alkanoic acids and conversion of levulinic acid to hydrocarbons using a Red Mud bauxite mining waste as the catalyst. Catalysis Today, 2012, 190, 73-88.	2.2	62
23	Use of activated carbon as a reactive support to produce highly active-regenerable Fe-based reduction system for environmental remediation. Chemosphere, 2010, 81, 7-12.	4.2	55
24	Tuning the surface properties of biochar by thermal treatment. Bioresource Technology, 2017, 246, 28-33.	4.8	53
25	Synergistic co-processing of an acidic hardwood derived pyrolysis bio-oil with alkaline Red Mud bauxite mining waste as a sacrificial upgrading catalyst. Applied Catalysis B: Environmental, 2014, 145, 187-196.	10.8	51
26	Polymer coated vermiculiteâ€“iron composites: Novel floatable magnetic adsorbents for water spilled contaminants. Applied Clay Science, 2006, 31, 207-215.	2.6	48
27	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
28	Modification of vermiculite by polymerization and carbonization of glycerol to produce highly efficient materials for oil removal. Applied Clay Science, 2009, 45, 213-219.	2.6	44
29	Cellulose nanocrystals: A versatile precursor for the preparation of different carbon structures and luminescent carbon dots. Industrial Crops and Products, 2016, 93, 121-128.	2.5	44
30	Iron: a versatile element to produce materials for environmental applications. Journal of the Brazilian Chemical Society, 2012, 23, 1579-1593.	0.6	43
31	Solid acid catalysts based on sulfonated carbon nanostructures embedded in an amorphous matrix produced from bio-oil: esterification of oleic acid with methanol. Journal of Environmental Chemical Engineering, 2020, 8, 103674.	3.3	39
32	Use of chrysotile to produce highly dispersed K-doped MgO catalyst for biodiesel synthesis. Chemical Engineering Journal, 2013, 232, 104-110.	6.6	38
33	Acid-catalyzed oligomerization of glycerol investigated by electrospray ionization mass spectrometry. Journal of the Brazilian Chemical Society, 2009, 20, 1667-1673.	0.6	37
34	Production of nanostructured magnetic composites based on Fe0 nuclei coated with carbon nanofibers and nanotubes from red mud waste and ethanol. Applied Catalysis B: Environmental, 2011, 105, 163-170.	10.8	37
35	Novel solvent free liquid-phase oxidation of Î²-pinene over heterogeneous catalysts based on Fe3â^'xMxO4 (M=Co and Mn). Applied Catalysis A: General, 2004, 269, 117-121.	2.2	36
36	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. Rapid Communications in Mass Spectrometry, 2006, 20, 1859-1863.	0.7	35

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37	Efficient activation of peroxymonosulfate by composites containing iron mining waste and graphitic carbon nitride for the degradation of acetaminophen. Journal of Hazardous Materials, 2020, 400, 123310.	6.5	35
38	Magnetic amphiphilic hybrid carbon nanotubes containing N-doped and undoped sections: powerful tensioactive nanostructures. Nanoscale, 2015, 7, 294-300.	2.8	34
39	Catalytic oxidation of aqueous sulfide in the presence of ferrites (MFe2O4, M=Fe, Cu, Co). Catalysis Today, 2016, 259, 222-227.	2.2	34
40	Use of modified activated carbon for the oxidation of aqueous sulfide. Carbon, 2012, 50, 1386-1393.	5.4	32
41	Novel highly reactive and regenerable carbon/iron composites prepared from tar and hematite for the reduction of Cr(VI) contaminant. Journal of Hazardous Materials, 2009, 165, 1016-1022.	6.5	30
42	Amphiphilic magnetic composites based on layered vermiculite and fibrous chrysotile with carbon nanostructures: Application in catalysis. Catalysis Today, 2012, 190, 133-143.	2.2	30
43	Catalytic properties of nanocomposites based on cobalt ferrites dispersed in solâ€“gel silica. Journal of Non-Crystalline Solids, 2004, 348, 201-204.	1.5	29
44	Magnetic amphiphilic composites based on carbon nanotubes and nanofibers grown on an inorganic matrix: effect on water-oil interfaces. Journal of the Brazilian Chemical Society, 2010, 21, 2184-2188.	0.6	29
45	Hybrid magnetic amphiphilic composites based on carbon nanotube/nanofibers and layered silicates fragments as efficient adsorbent for ethynilestradiol. Journal of Colloid and Interface Science, 2012, 379, 84-88.	5.0	29
46	Sulfonated polystyrene: A catalyst with acid and superabsorbent properties for the esterification of fatty acids. Fuel, 2010, 89, 257-259.	3.4	28
47	Facile preparation of carbon coated magnetic Fe3O4 particles by a combined reduction/CVD process. Materials Research Bulletin, 2011, 46, 748-754.	2.7	28
48	LaMn1-xFe xO3 and LaMn0.1-xFe0.90Mo x O3 perovskites: synthesis, characterization and catalytic activity in H2O2 reactions. Materials Research, 2008, 11, 307-312.	0.6	26
49	Generation of reactive oxygen species in titanates nanotubes induced by hydrogen peroxide and their application in catalytic degradation of methylene blue dye. Journal of Molecular Catalysis A, 2014, 394, 316-323.	4.8	26
50	Ground vermiculite as catalyst for the Fenton reaction. Applied Clay Science, 2012, 69, 87-92.	2.6	25
51	Oxidized few layer graphene and graphite as metal-free catalysts for aqueous sulfide oxidation. Journal of Materials Chemistry A, 2013, 1, 9491.	5.2	25
52	Ozone oxidation of Î²-lactam antibiotic molecules and toxicity decrease in aqueous solution and industrial wastewaters heavily contaminated. Ozone: Science and Engineering, 2018, 40, 385-391.	1.4	25
53	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
54	Formation of Highly Reactive Species at the Interface FeÂ°â€“Iron Oxides Particles by Mechanical Alloying and Thermal Treatment: Potential Application in Environmental Remediation Processes. Chemistry Letters, 2005, 34, 1172-1173.	0.7	24

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55	Ir4 cluster-based selective catalytic hydrogenation of 1,5-cyclooctadiene. Journal of Molecular Catalysis A, 2005, 226, 243-251.	4.8	23
56	Carbon nanostructures-modified expanded vermiculites produced by chemical vapor deposition from ethanol. Applied Clay Science, 2011, 54, 15-19.	2.6	23
57	Efficient and versatile fibrous adsorbent based on magnetic amphiphilic composites of chrysotile/carbon nanostructures for the removal of ethynilestradiol. Journal of Hazardous Materials, 2013, 248-249, 295-302.	6.5	23
58	Role of [FeOx(OH)y] surface sites on the adsorption of Î²-lactamic antibiotics on Al2O3 supported Fe oxide. Journal of Hazardous Materials, 2016, 317, 327-334.	6.5	23
59	K 2 MgSiO 4 : A novel K + -trapped biodiesel heterogeneous catalyst produced from serpentinite Mg 3 Si 2 O 5 (OH) 4. Journal of Molecular Catalysis A, 2016, 422, 258-265.	4.8	23
60	Amphiphilic acid carbon catalysts produced by bio-oil sulfonation for solvent-free glycerol ketalization. Fuel, 2020, 274, 117799.	3.4	23
61	Magnetic Amphiphilic Composites Applied for the Treatment of Biodiesel Wastewaters. Applied Sciences (Switzerland), 2012, 2, 513-524.	1.3	22
62	Carbon deposition and oxidation using the waste red mud: A route to store, transport and use offshore gas lost in petroleum exploration. Fuel, 2014, 124, 7-13.	3.4	22
63	Efficient demulsification of wastewater by steel furnace dust with amphiphilic and surface charge properties. Chemical Engineering Journal, 2015, 271, 281-286.	6.6	22
64	Heterogeneous acid catalyst based on sulfated iron ore tailings for oleic acid esterification. Applied Catalysis A: General, 2020, 600, 117624.	2.2	21
65	Thermal decomposition of sulfur-containing organotin molecular precursors to produce phase-pure SnS. Physical Chemistry Chemical Physics, 2000, 2, 5708-5711.	1.3	20
66	Devulcanization of styrenebutadiene (SBR) waste tire by controlled oxidation. Journal of the Brazilian Chemical Society, 2006, 17, 603-608.	0.6	20
67	Surface hydrolysis of postconsumer polyethylene terephthalate to produce adsorbents for cationic contaminants. Journal of Applied Polymer Science, 2006, 102, 5284-5291.	1.3	20
68	Hydrophobic channels produced by micelle-structured CTAB inside MCM-41 mesopores: A unique trap for the hazardous hormone ethinyl estradiol. Chemical Engineering Journal, 2016, 283, 1203-1209.	6.6	20
69	Natural gas storage in microporous carbon obtained from waste of the olive oil production. Materials Research, 2008, 11, 409-414.	0.6	19
70	Potential of modified iron-rich foundry waste for environmental applications: Fenton reaction and Cr(VI) reduction. Journal of Hazardous Materials, 2011, 194, 393-398.	6.5	19
71	Thermal behavior of carbon nanotubes decorated with gold nanoparticles. Journal of Thermal Analysis and Calorimetry, 2011, 105, 953-959.	2.0	18
72	Surface restructuring of red mud to produce FeO x (OH) y sites and mesopores for the efficient complexation/adsorption of Î²-lactam antibiotics. Environmental Science and Pollution Research, 2018, 25, 6762-6771.	2.7	18

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73	Investigation of the solid state reaction of LaMnO3 with FeÂº and its effect on the catalytic reactions with H2O2. Journal of the Brazilian Chemical Society, 2007, 18, .	0.6	17
74	LaFexMoyMnzO3 perovskite as catalyst precursors for the CVD synthesis of carbon nanotubes. Catalysis Today, 2008, 133-135, 846-854.	2.2	17
75	Controlled reduction of steel waste to produce active iron phases for environmental applications. Chemical Engineering Journal, 2012, 209, 645-651.	6.6	16
76	Improvement of the thermal properties of poly(3â€hydroxybutyrate) (PHB) by low molecular weight polypropylene glycol (LMWPPG) addition. Journal of Applied Polymer Science, 2013, 128, 3019-3025.	1.3	16
77	Controlled formation of reactive Fe particles dispersed in a carbon matrix active for the oxidation of aqueous contaminants with H2O2. Environmental Science and Pollution Research, 2015, 22, 856-863.	2.7	15
78	Novel reductive extraction process to convert the bio-oil aqueous acid fraction into fuels with the recovery of iron from wastes. Fuel, 2016, 184, 36-41.	3.4	15
79	Conversion of fatty acids into hydrocarbon fuels based on a sodium carboxylate intermediate. Catalysis Today, 2017, 279, 260-266.	2.2	15
80	The iodide-catalyzed decomposition of hydrogen peroxide: mechanistic details of an old reaction as revealed by electrospray ionization mass spectrometry monitoring. Journal of the Brazilian Chemical Society, 2008, 19, 1105-1110.	0.6	14
81	Iron Oxide Nanoparticles Supported on Mesoporous MCM-41 for Efficient Adsorption of Hazardous Î²-Lactamic Antibiotics. Water, Air, and Soil Pollution, 2018, 229, 1.	1.1	14
82	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
83	Iron Ore Tailings: Characterization and Applications. Journal of the Brazilian Chemical Society, 0, , .	0.6	13
84	Serpentinites: Mineral Structure, Properties and Technological Applications. Journal of the Brazilian Chemical Society, 0, , .	0.6	13
85	Combined processes of glycerol polymerization/carbonization/activation to produce efficient adsorbents for organic contaminants. Journal of Chemical Technology and Biotechnology, 2012, 87, 1654-1660.	1.6	12
86	InfluÃªncia da temperatura e da natureza do catalisador na polimerizaÃ§Ã£o do glicerol. Polimeros, 2010, 20, 188-193.	0.2	12
87	Solid state reaction of serpentinite Mg3Si2O5(OH)4 with Li+ to produce Li4SiO4/MgO composites for the efficient capture of CO2. Journal of Environmental Chemical Engineering, 2018, 6, 4189-4195.	3.3	11
88	Bio-oil: a versatile precursor to produce carbon nanostructures in liquid phase under mild conditions. New Journal of Chemistry, 2019, 43, 2430-2433.	1.4	11
89	Controlled Dehydration of Fe(OH)3 to Fe2O3: Developing Mesopores with Complexing Iron Species for the Adsorption of Î²-Lactam Antibiotics. Journal of the Brazilian Chemical Society, 0, , .	0.6	11
90	MIMS evaluation of pervaporation processes. Physical Chemistry Chemical Physics, 1999, 1, 2501-2504.	1.3	10

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91	The effect of thermal treatment on the properties of solâ€“gel palladiumâ€“silica catalysts. Journal of Non-Crystalline Solids, 2002, 304, 70-75.	1.5	10
92	MÃ¶ssbauer study of carbon coated iron magnetic nanoparticles produced by simultaneous reduction/pyrolysis. Hyperfine Interactions, 2011, 202, 123-129.	0.2	10
93	Ca(OH)2 nanoplates supported on activated carbon for the neutralization/removal of free fatty acids during biodiesel production. Fuel, 2018, 221, 469-475.	3.4	10
94	Use of iron mine tailing as fillers to polyethylene. Scientific Reports, 2021, 11, 7091.	1.6	10
95	The effect of thermal treatment on the properties of solâ€“gel copperâ€“silica catalysts. Applied Surface Science, 2001, 183, 216-222.	3.1	9
96	Unique catalytic behaviour of Ir4 clusters for the selective hydrogenation of 1,5-cyclooctadiene. Catalysis Communications, 2002, 3, 541-545.	1.6	9
97	PolimerizaÃ§Ã£o do glicerol: uma reaÃ§Ã£o simples e versÃ¡til para produzir diferentes materiais a partir do coproduto do biodiesel. Quimica Nova, 2011, 34, 1079-1084.	0.3	9
98	Temperature Programmed CVD: A Novel Technique to Investigate Carbon Nanotube Synthesis on FeMo/MgO Catalysts. Journal of Nanoscience and Nanotechnology, 2012, 12, 2661-2667.	0.9	9
99	Adsorption of the harmful hormone ethinyl estradiol inside hydrophobic cavities of CTA+ intercalated montmorillonite. Water Science and Technology, 2016, 74, 663-671.	1.2	9
100	O estÃmulo ao empreendedorismo nos cursos de quÃmica: formando quÃmicos empreendedores. Quimica Nova, 2005, 28, S18-S25.	0.3	8
101	Surface chemical modification of polypropylene fiber waste by H₂SO₄: Mechanistic investigation and application as cationâ€exchange adsorbent. Journal of Applied Polymer Science, 2010, 115, 3586-3591.	1.3	8
102	Reactive porous composites for chromium(<scp>vi</scp>) reduction applications based on Fe/carbon obtained from post-consumer PET and iron oxide. RSC Advances, 2015, 5, 97248-97255.	1.7	8
103	Magnetic Carbon Nanofiber Networks as Support for Ionic Liquid Based Catalyst. Catalysis Letters, 2015, 145, 505-510.	1.4	8
104	Use of montmorillonite to recover carboxylic acids from aqueous medium. Separation and Purification Technology, 2019, 229, 115751.	3.9	8
105	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
106	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
107	Decomposition of the molecular precursor Bu4Sn6S6 on the surface of TiO2 to prepare semiconductor composite photocatalysts. Materials Research Bulletin, 2010, 45, 174-180.	2.7	7
108	Catalytic carbon deposition-oxidation over Ni, Fe and Co catalysts: A new indirect route to store and transport gas hydrocarbon fuels. Catalysis Communications, 2013, 32, 58-61.	1.6	7

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109	Use of tar pitch as a binding and reductant of BFD waste to produce reactive materials for environmental applications. Chemosphere, 2014, 109, 143-149.	4.2	7
110	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
111	Catalytic hydrodehalogenation of aromatic halides monitored by membrane introduction mass spectrometry. Rapid Communications in Mass Spectrometry, 2003, 17, 1507-1510.	0.7	6
112	"Spin-Off" acadÃªmico: criando riquezas a partir de conhecimento e pesquisa. Quimica Nova, 2005, 28, S26-S35.	0.3	6
113	LaFe xMn yMo zO 3 catalysts for the oxidation of volatile aromatic organic contaminants. Journal of the Brazilian Chemical Society, 2007, 18, 1524-1530.	0.6	6
114	Study of the interactions of the hazardous amoxicillin antibiotic inside the MCM-41/CTA hydrophobic cavities. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 582, 123873.	2.3	6
115	Preparation of magnetic mesoporous composites from glycerol and iron(III) salt. Journal of Chemical Technology and Biotechnology, 2019, 95, 1038.	1.6	6
116	Biphasic reaction of glycerol and oleic acid: Byproducts formation and phase transfer autocatalytic effect. Catalysis Today, 2020, 344, 227-233.	2.2	6
117	Use of the glycerol byâ€product of biodiesel to modify the surface of expanded vermiculite to produce an efficient oil absorbent. Journal of Chemical Technology and Biotechnology, 2010, 85, 447-452.	1.6	5
118	Use of iron and bio-oil wastes to produce highly dispersed Fe/C composites for the photo-Fenton reaction. Environmental Science and Pollution Research, 2017, 24, 6151-6156.	2.7	5
119	Porous expanded vermiculite containing intercalated cetyltrimethylammonium: a versatile sorbent for the hormone ethinylestradiol from aqueous medium. International Journal of Environmental Science and Technology, 2019, 16, 2877-2884.	1.8	5
120	Sistema RTP: uma tÃ©cnica poderosa para o monitoramento da formaÃ§Ã£o de nanotubos de carbono durante o processo por deposiÃ§Ã£o de vapor quÃmico. Quimica Nova, 2010, 33, 1379-1383.	0.3	5
121	Cellulose Nanocrystals Assembled on the Fe3O4Surface as Precursor to Prepare Interfaced C/Fe3O4Composites for the Oxidation of Aqueous Sulfide. Journal of the Brazilian Chemical Society, 2015, , .	0.6	5
122	Preparation of highly dispersed Ru-Sn bimetallic supported catalysts from the single source precursors Cp(PPh3)2Ru-SnX3 (X = Cl or Br). Materials Research, 2003, 6, 137-144.	0.6	4
123	Reduction of hematite with ethanol to produce magnetic nanoparticles of Fe3O4, Fe1â€‰â€˜â€‰x O or Fe0 coated with carbon. Hyperfine Interactions, 2010, 195, 15-19.	0.2	4
124	Carbonâ€“clay composite obtained from the decomposition of cellulose nanocrystals on the surface of expanded vermiculite. Journal of Chemical Technology and Biotechnology, 2013, 88, 1130-1135.	1.6	4
125	Alcoxycle: A novel route for glycerol reform into H 2 and CO x in separate stages. Catalysis Today, 2017, 289, 127-132.	2.2	4
126	Micromesoporous Activated Carbons as Catalysts for the Efficient Oxidation of Aqueous Sulfide. Langmuir, 2017, 33, 11857-11861.	1.6	4

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127	Surface modified mesoporous nanocast carbon as a catalyst for aqueous sulfide oxidation and adsorption of the produced polysulfides. New Journal of Chemistry, 2018, 42, 11708-11714.	1.4	4
128	Multifunctional glycerol/citric acid crosslinked polymer hydrophilic gel with absorptive and reducing properties. New Journal of Chemistry, 2021, 45, 2410-2416.	1.4	4
129	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
130	Use of neural network to analyze the kinetics of CO2 absorption in Li4SiO4/MgO composites from TG experimental data. Thermochimica Acta, 2020, 689, 178628.	1.2	4
131	Experiments on Heterogeneous Catalysis Using a Simple Gas Chromatograph. Journal of Chemical Education, 2006, 83, 417.	1.1	3
132	HidrÃ³lise parcial da superfÃcie do polyethylene terephthalate (PET): transformando um rejeito em um material de troca catiÃ´nica para aplicaÃ§Ã£o ambiental. Quimica Nova, 2009, 32, 1673-1676.	0.3	3
133	Natural Mg silicates with different structures and morphologies: Reaction with K to produce K2MgSiO4 catalyst for biodiesel production. International Journal of Minerals, Metallurgy and Materials, 2020, 27, 46-54.	2.4	3
134	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
135	Controlled reduction of LaFe xMn yMo zO3/Al2O3 composites to produce highly dispersed and stable Fe0 catalysts: a MÃ¶ssbauer investigation. Materials Research, 2008, 11, 233-238.	0.6	2
136	Magnetic nanoparticles based on iron coated carbon produced from the reaction of Fe2O3 with CH4: a MÃ¶ssbauer study. Hyperfine Interactions, 2010, 195, 21-25.	0.2	2
137	A new pyrolytic process with potential to convert free fatty acids into long chain nitriles and H2 intermediated by Fe nitrate. Journal of Analytical and Applied Pyrolysis, 2020, 145, 104726.	2.6	2
138	Biomass Wastes from Biofuel Chains in Brazil: Bio-oil Production and Byproducts. Revista Virtual De Quimica, 2017, 9, 52-72.	0.1	2
139	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
140	Hematite reaction with tar to produce carbon/iron composites for the reduction of Cr(VI) contaminant. Hyperfine Interactions, 2010, 195, 43-48.	0.2	1
141	Effect of Sn on methane decomposition over Fe supported catalysts to produce carbon. Hyperfine Interactions, 2011, 203, 67-74.	0.2	1
142	PirÃ³lise de resÃduos de borrachas do setor de mineraÃ§Ã£o para a produÃ§Ã£o de combustÃveis: estudos em escala piloto. Polimeros, 2017, 27, 42-47.	0.2	1
143	PublicaÃ§Ãµes na Ã¡rea de catÃ¡lise envolvendo instituiÃ§Ãµes brasileiras: uma comparaÃ§Ã£o entre os periÃ³dicos especializados e os da SBQ. Quimica Nova, 2007, 30, 1480-1483.	0.3	1
144	Potential Slow Release Fertilizers Based on K2MgSiO4 Obtained from Serpentinite. Journal of the Brazilian Chemical Society, 0, , .	0.6	1

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145	ReuniÃ£o dos editores. Quimica Nova, 2010, 33, 1017-1017.	0.3	0