JosÃ© Domingos Fabris

List of Publications by Year
in descending order

102	3,074	159358	161609
papers	citations	30 h-index	54 g-index

102	102	102	4412
all docs	docs citations	times ranked	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	Clayâ€“iron oxide magnetic composites for the adsorption of contaminants in water. Applied Clay Science, 2003, 22, 169-177.	2.6	312
3	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
4	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
5	Nanostructured Î´-FeOOH: An efficient Fenton-like catalyst for the oxidation of organics in water. Applied Catalysis B: Environmental, 2012, 119-120, 175-182.	10.8	126
6	Synthesis and thermal treatment of cu-doped goethite: Oxidation of quinoline through heterogeneous fenton process. Applied Catalysis B: Environmental, 2009, 91, 581-586.	10.8	92
7	Catalytic properties of goethite prepared in the presence of Nb on oxidation reactions in water: Computational and experimental studies. Applied Catalysis B: Environmental, 2008, 83, 169-176.	10.8	84
8	Performance of blast furnace waste for azo dye degradation through photo-Fenton-like processes. Chemical Engineering Journal, 2013, 224, 59-66.	6.6	81
9	Comparisons of structural iron reduction in smectites by bacteria and dithionite: II. A variable-temperature MÃ¶ssbauer spectroscopic study of Garfield nontronite. Pure and Applied Chemistry, 2009, 81, 1499-1509.	0.9	79
10	Preparation of size-controlled nanoparticles of magnetite. Journal of Magnetism and Magnetic Materials, 2012, 324, 1753-1757.	1.0	74
11	Catalysts based on clay and iron oxide for oxidation of toluene. Applied Clay Science, 2011, 51, 385-389.	2.6	73
12	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
13	Nanostructured Î´-FeOOH: a novel photocatalyst for water splitting. Journal of Materials Chemistry, 2011, 21, 10280.	6.7	66
14	Limitations of the ferrozine method for quantitative assay of mineral systems for ferrous and total iron. Geochimica Et Cosmochimica Acta, 2008, 72, 5001-5008.	1.6	63
15	Modified goethites as catalyst for oxidation of quinoline: Evidence of heterogeneous Fenton process. Applied Catalysis A: General, 2008, 347, 89-93.	2.2	59
16	Heterogeneous catalyst based on peroxo-niobium complexes immobilized over iron oxide for organic oxidation in water. Applied Catalysis B: Environmental, 2011, 107, 237-244.	10.8	59
17	Cobaltâ€“iron magnetic composites as heterogeneous catalysts for the aerobic oxidation of thiols under alkali free conditions. Applied Catalysis A: General, 2011, 392, 151-157.	2.2	58
18	pH effect on the synthesis of magnetite nanoparticles by the chemical reduction-precipitation method. Quimica Nova, 2010, 33, 524-527.	0.3	56

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19	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
20	Synergism between n-type WO3 and p-type Î´-FeOOH semiconductors: High interfacial contacts and enhanced photocatalysis. Applied Catalysis B: Environmental, 2015, 165, 579-588.	10.8	54
21	A hole inversion layer at the BiVO4/Bi4V2O11 interface produces a high tunable photovoltage for water splitting. Scientific Reports, 2016, 6, 31406.	1.6	54
22	Ã“xidos de ferro e suas aplicaÃ§Ãµes em processos catalÃticos: uma revisÃ£o. Quimica Nova, 2013, 36, 123-130.	0.3	49
23	Photoelectrochemical water oxidation over fibrous and sponge-like BiVO4/Î²-Bi4V2O11 photoanodes fabricated by spray pyrolysis. Applied Catalysis B: Environmental, 2016, 182, 247-256.	10.8	49
24	Î´-FeOOH: a superparamagnetic material for controlled heat release under AC magnetic field. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	47
25	Hybrid heterostructures based on hematite and highly hydrophilic carbon dots with photocatalytic activity. Applied Catalysis B: Environmental, 2016, 182, 204-212.	10.8	47
26	Thermosensitive gemcitabine-magnetoliposomes for combined hyperthermia and chemotherapy. Nanotechnology, 2016, 27, 085105.	1.3	43
27	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
28	Characterization of a redox-modified clay mineral with respect to its suitability as a barrier in radioactive waste confinement. Applied Clay Science, 2008, 39, 172-179.	2.6	36
29	Preparation and characterization of a single-walled aluminosilicate nanotube-iron oxide composite: Its applications to removal of aqueous arsenate. Materials Research Bulletin, 2014, 51, 145-152.	2.7	36
30	Effect of Tetramethylammonium Hydroxide on Nucleation, Surface Modification and Growth of Magnetic Nanoparticles. Journal of Nanomaterials, 2012, 2012, 1-10.	1.5	34
31	Composites prepared from natural iron oxides and sucrose: A highly reactive system for the oxidation of organic contaminants in water. Chemical Engineering Journal, 2011, 166, 962-969.	6.6	26
32	Preparation and characterization of tin-doped spinel ferrite. Journal of Alloys and Compounds, 2010, 505, 125-129.	2.8	19
33	Light biodiesel from macaÃºba and palm kernel: Properties of their blends with fossil kerosene in the perspective of an alternative aviation fuel. Renewable Energy, 2020, 151, 426-433.	4.3	19
34	Hydrology and carbon dynamics of tropical peatlands from Southeast Brazil. Catena, 2016, 143, 18-25.	2.2	18
35	Magnetic Properties of Nanoparticles Obtained by Different Chemical Routes. Journal of Nanoscience and Nanotechnology, 2009, 9, 2081-2087.	0.9	16
36	Controlled reduction of steel waste to produce active iron phases for environmental applications. Chemical Engineering Journal, 2012, 209, 645-651.	6.6	16

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37	Micro- to nano-scale characterization of martite from a banded iron formation in India and a lateritic soil in Brazil. Physics and Chemistry of Minerals, 2014, 41, 651-667.	0.3	16
38	A novel floating photocatalyst device based on cloth canvas impregnated with iron oxide. New Journal of Chemistry, 2013, 37, 2486.	1.4	14
39	Current Status of Magnetite-Based Core@Shell Structures for Diagnosis and Therapy in Oncology Short running title: Biomedical Applications of Magnetite@Shell Structures. Current Pharmaceutical Design, 2015, 21, 5417-5433.	0.9	14
40	Ilmenite and Magnetite of a Tholeiitic Basalt. Clays and Clay Minerals, 1995, 43, 641-642.	0.6	13
41	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
42	Ã“xidos de ferro e monazita de areias de praias do EspÃ‧rito Santo. Quimica Nova, 2005, 28, 233-237.	0.3	13
43	Preparation and Characterization of Magnetic Composites Based on a Natural Zeolite. Clays and Clay Minerals, 2010, 58, 589-595.	0.6	12
44	Magnetostratigraphy and mid-palaeolatitude VGP dispersion during the Permo-Carboniferous Superchron: results from ParanÃ¡ Basin (Southern Brazil) rhythmites. Geophysical Journal International, 2012, , no-no.	1.0	12
45	Preparation of composite with silica-coated nanoparticles of iron oxide spinels for applications based on magnetically induced hyperthermia. Hyperfine Interactions, 2013, 218, 71-82.	0.2	12
46	PedogÃªnese e classificaÃ§Ã£o de latossolos desenvolvidos de itabiritos no QuadrilÃ¡tero FerrÃfero, MG. Revista Brasileira De Ciencia Do Solo, 2014, 38, 359-371.	0.5	12
47	Ã“xidos de ferro de solos formados sobre gnaisse do Complexo BaÃ§Ã£o, QuadrilÃ¡tero FerrÃfero, Minas Gerais. Pesquisa Agropecuaria Brasileira, 2006, 41, 313-321.	0.9	12
48	Niobian iron oxides as heterogeneous Fenton catalysts for environmental remediation. Hyperfine Interactions, 2010, 195, 27-34.	0.2	9
49	Synthesis and characterization of Î±Fe2â“x M x O3 (M = Co, Ni, Cu or Zn) photocatalysts for the degradation of the indigo carmine dye in water. Hyperfine Interactions, 2017, 238, 1.	0.2	9
50	Thermal expansion coefficient and algebraic models to correct values of specific mass as a function of temperature for corn biodiesel. Fuel, 2013, 106, 646-650.	3.4	8
51	Evaluation and Characterization of Biodiesels Obtained Through Ethylic or Methylic Transesterification of Tryacylglicerides in Corn Oil. AIMS Energy, 2014, 2, 183-192.	1.1	8
52	Quartz Mining Waste for Concrete Production: Environment and Public Health. Sustainability, 2022, 14, 389.	1.6	8
53	Espectroscopia MÃ¶ssbauer na caracterizaÃ§Ã£o de compostos ferrosos em solos e sua relaÃ§Ã£o com retenÃ§Ã£o de fÃ³sforo. Quimica Nova, 2008, 31, 1467-1471.	0.3	7
54	Ochres from rituals of prehistoric human funerals at the Toca do Enoque site, PiauÃ, Brazil. Hyperfine Interactions, 2011, 203, 39-45.	0.2	7

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55	Nanomagnetite-Zeolite Composites in the Removal of Arsenate from Aqueous Systems. Journal of the Brazilian Chemical Society, 2015, , .	0.6	7
56	Bio-inactivation of human malignant cells through highly responsive diluted colloidal suspension of functionalized magnetic iron oxide nanoparticles. Journal of Nanoparticle Research, 2016, 18, 1.	0.8	7
57	Ferruginous compounds in the airborne particulate matter of the metropolitan area of Belo Horizonte, Minas Gerais, Brazil. Environmental Science and Pollution Research, 2017, 24, 19683-19692.	2.7	7
58	Iron-rich spinel phases from sand fraction of three Chilean soils developing on volcanic materials. Communications in Soil Science and Plant Analysis, 2001, 32, 2741-2754.	0.6	6
59	In-situ 57Fe MÃ¶ssbauer characterization of iron oxides in pigments of a rupestrian painting from the Serra da Capivara National Park, in Brazil, with the backscattering MÃ¶ssbauer spectrometer MIMOS II. Hyperfine Interactions, 2016, 237, 1.	0.2	6
60	Copper local structure in spinel ferrites determined by X-ray absorption and MÃ¶ssbauer spectroscopy and their catalytic performance. Materials Research Bulletin, 2019, 109, 117-123.	2.7	6
61	Pigmentos de pinturas rupestres prÃ©-histÃ³ricas do sÃtio Letreiro do Quinto, Pedro II, PiauÃ, Brasil. Quimica Nova, 2011, 34, 181-185.	0.3	6
62	Selective adsorption of fatty acid methyl esters onto a commercial molecular sieve or activated charcoal prepared from the <i>Acrocomia aculeata</i> cake remaining from press-extracting the fruit kernel oil. AIMS Energy, 2018, 6, 801-809.	1.1	6
63	AnÃ¡lise quÃmica de pigmento vermelho em osso humano. Quimica Nova, 2008, 31, 1117-1120.	0.3	5
64	Zeolite-magnetite composites to remove Hg2+ from water. Hyperfine Interactions, 2019, 240, 1.	0.2	5
65	Effects of sodium hydroxideâ€"selective chemical treatment on samples from some chilean soils. Communications in Soil Science and Plant Analysis, 2000, 31, 3113-3119.	0.6	4
66	Hematite from a mining area in the east border of QuadrilÃ¡tero FerrÃfero, Minas Gerais, Brazil. Hyperfine Interactions, 2010, 195, 69-76.	0.2	4
67	Kaolin mining and beneficiation: The role of iron. Journal of Physics: Conference Series, 2010, 217, 012066.	0.3	4
68	Use of Mining Tailings or Their Sedimentation and Flotation Fractions in a Mixture with Soil to Produce Structural Ceramics. Sustainability, 2021, 13, 911.	1.6	4
69	Preparation of hybrid nanocomposite particles for medical practices. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 624, 126706.	2.3	4
70	Effectiveness of selective chemical treatments on concentrating magnetic minerals of samples from a nickel-ore peridotite mantle. Journal of the Brazilian Chemical Society, 2004, 15, 884-889.	0.6	3
71	Red and yellow ochres from the archaeological site Pedra do Cantagalo I, in Piripiri, PiauÃ, Brazil. Hyperfine Interactions, 2017, 238, 1.	0.2	3
72	Chemical-Mineralogical Characterization of Magnetic Materials from Magnetic Soils of the Southern EspinhaÃ§o Mountain Chain and of the Upper Jequitinhonha Valley, State of Minas Gerais, Brazil. Revista Brasileira De Ciencia Do Solo, 2017, 41, .	0.5	3

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73	Chemical and mineralogical characteristics of the pigments of archaeological rupestrian paintings from the SalÃ£o dos Ãndios site, in PiauÃ, Brazil. Journal of Archaeological Science: Reports, 2018, 18, 792-797.	0.2	3
74	Archaeometric analysis of prehistoric rupestrian paintings from the Toca do Estevo III site, PiauÃ, Brazil. Journal of Archaeological Science: Reports, 2018, 18, 798-803.	0.2	3
75	Removal of textile dye by adsortion on the cake as solid waste from the press-extraction of the macaÃºba (Acrocomia aculeata) kernel oil. Ecletica Quimica, 2018, 43, 48.	0.2	3
76	Ã“xidos de ferro magnÃ©ticos de um tufito da regiÃ£o do Alto ParanaÃba, MG. Quimica Nova, 2005, 28, 5-9.	0.3	2
77	Magnesioferrita e caminho pedogenÃ©tico de transformaÃ§Ã£o de Ã³xidos de ferro magnÃ©ticos em dois perfis de solo derivados de tufito da regiÃ£o do Alto ParanaÃba (MG). Revista Brasileira De Ciencia Do Solo, 2005, 29, 763-775.	0.5	2
78	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
79	Preparative treatment with NaOH to selectively concentrate iron oxides of a Chilean volcanic soilÂmaterial to produce effective heterogeneous Fenton catalyst. Hyperfine Interactions, 2011, 203, 59-66.	0.2	2
80	Iron-bearing minerals in ashes emanated from Osorno volcano, in Chile. Hyperfine Interactions, 2014, 224, 153-159.	0.2	2
81	Preparation and characterization of Fe3O4-Pt nanoparticles. Hyperfine Interactions, 2017, 238, 1.	0.2	2
82	Iron-bearing minerals from soils developing on volcanic materials from Southern Chile: Application in heterogeneous catalysis. Journal of Soil Science and Plant Nutrition, 2018, , 0-0.	1.7	2
83	Development of a novel nano-biomaterial for biomedical applications. Materials Research Express, 2018, 5, 125014.	0.8	2
84	A novel hybrid nanoparticle based on Fe3O4/TMAOH/poly(L-co-D,L lactic acid-co-trimethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302	0.2	2
85	Removing phorbol esters from the biomass to add extra value to the byproduct from deoiling seeds of Jatropha curcas in the biodiesel industry. Biomass Conversion and Biorefinery, 2023, 13, 1779-1791.	2.9	2
86	Mecanismos quÃmicos e mineralÃ³gicos de transformaÃ§Ã£o da magnesioferrita de solo derivado de tufito, da regiÃ£o do Alto ParanaÃba, MG. Quimica Nova, 2009, 32, 1850-1855.	0.3	2
87	EFLORESCÃŠNCIAS SALINAS DO SÃTIO DE ARTE RUPESTRE PEDRA DO CASTELO, PIAUÃ, BRASIL. Clio ArqueolÃ³gica, 2015, 30, 120.	0.0	2
88	Magnetic fraction from phosphate mining tailings as heterogeneous catalyst for biodiesel production through transesterification reaction of triacylglycerols in bio-oil. AIMS Energy, 2017, 5, 864-872.	1.1	2
89	Ethanol and organic acid production related to the microbial population in sugarcane silages with admixed crambe (Crambe abyssinica Hochst) bran. New Zealand Journal of Agricultural Research, 0, , 1-20.	0.9	2
90	2,2â€²-Bipyridine-6,6â€²-bis(carbothioamide) metal complexes. Transition Metal Chemistry, 2000, 25, 338-340.	0.7	1

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91	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
92	MÃ¶ssbauer analysis of high-energy mechanical-milled sand fraction of a magnetic soil developing on basalt. Hyperfine Interactions, 2011, 203, 9-15.	0.2	1
93	Chemical reducing pedoenvironment in a peatland influenced by hematitic phyllite lithology in the southern EspinhaÃ§o chain, Brazil. Hyperfine Interactions, 2014, 226, 585-592.	0.2	1
94	A Mesoporous SiO2/Î³-Fe2O3/KI Heterogeneous Magnetic Catalyst for the Green Synthesis of Biodiesel. Journal of the Brazilian Chemical Society, 2016, , .	0.6	1
95	Iron-bearing minerals of a rupestrian painting from the Manantial SolÃs site, Cardiel Lake, Patagonia, Argentina. Hyperfine Interactions, 2017, 238, 1.	0.2	1
96	Nickel- and Cobalt-doped magnetite as catalysts on the oxidation of CO. , 2002, , 345-349.		1
97	Properties of iron sulphides from a copper mine in southern Brazil. Journal of Physics: Conference Series, 2010, 217, 012054.	0.3	0
98	Structural characteristics of chalcopyrite from a Cu(Au) ore deposit in the CarajÃ¡s Mineral Province, Brazil. Hyperfine Interactions, 2011, 203, 47-50.	0.2	0
99	Characterization of iron sulphides from ore mining rejects. , 2002, , 447-451.		0
100	Nb2O5 PREPARADO EM MISTURA COM CaO COMO CATALISADOR HETEROGÃŠNEO EM REAÃ‡Ã•ES DE TRANSESTERIFICAÃ‡Ãƒ O DE TRIACILGLICERÃ“IS DE BIO-Ã“LEO COM METANOL PARA PRODUZIR BIODIESEL. Tecnologia Em Metalurgia, Materiais E Mineracao, 2018, 15, 49-55.	0.1	0
101	Minerais ferruginosos e fertilidade natural de solos magnÃ©ticos do Vale do Jequitinhonha, Minas Gerais, Brasil. Revista Brasileirade Ciencias Agrarias, 2018, 13, 1-10.	0.3	0
102	PARÃ‚METROS DA REAÃ‡Ãƒ O DE TRANSESTERIFICAÃ‡Ãƒ O ETÃ‹LICA COM Ã“LEO DE MILHO PARA PRODUÃ‡Ãƒ O DE BIODIESEL. Ecletica Quimica, 0, 35, 101.	0.2	0