

Raquel F Pupo Nogueira

List of Publications by Year in descending order

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74
papers

4,597
citations

117453

34
h-index

98622

67
g-index

76
all docs

76
docs citations

76
times ranked

5277
citing authors

#	ARTICLE	IF	CITATIONS
1	Simple and fast spectrophotometric determination of H ₂ O ₂ in photo-Fenton reactions using metavanadate. <i>Talanta</i> , 2005, 66, 86-91.	2.9	794
2	Degradation of sulfamethoxazole in water by solar photo-Fenton. Chemical and toxicological evaluation. <i>Water Research</i> , 2009, 43, 3922-3931.	5.3	308
3	Degradation of the antibiotic amoxicillin by photo-Fenton process – Chemical and toxicological assessment. <i>Water Research</i> , 2011, 45, 1394-1402.	5.3	289
4	Photodegradation of sulfamethoxazole in various aqueous media: Persistence, toxicity and photoproducts assessment. <i>Chemosphere</i> , 2009, 77, 1292-1298.	4.2	255
5	Degradation of tetracycline by photo-Fenton process – Solar irradiation and matrix effects. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 187, 33-39.	2.0	216
6	Photodegradation of the pharmaceuticals amoxicillin, bezafibrate and paracetamol by the photo-Fenton process – Application to sewage treatment plant effluent. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 198, 215-220.	2.0	180
7	Homogeneous photodegradation of C.I. Reactive Blue 4 using a photo-Fenton process under artificial and solar irradiation. <i>Dyes and Pigments</i> , 2007, 74, 127-132.	2.0	144
8	Fundamentos e aplicações ambientais dos processos fenton e foto-fenton. <i>Quimica Nova</i> , 2007, 30, 400-408.	0.3	141
9	Aquatic toxicity of dyes before and after photo-Fenton treatment. <i>Journal of Hazardous Materials</i> , 2014, 276, 332-338.	6.5	131
10	Use of levoglucosan, potassium, and water-soluble organic carbon to characterize the origins of biomass-burning aerosols. <i>Atmospheric Environment</i> , 2012, 61, 562-569.	1.9	115
11	Simultaneous degradation of ciprofloxacin, amoxicillin, sulfathiazole and sulfamethazine, and disinfection of hospital effluent after biological treatment via photo-Fenton process under ultraviolet germicidal irradiation. <i>Applied Catalysis B: Environmental</i> , 2018, 224, 761-771.	10.8	114
12	Influence of the iron source on the solar photo-Fenton degradation of different classes of organic compounds. <i>Solar Energy</i> , 2005, 79, 384-392.	2.9	108
13	Soil remediation using a coupled process: soil washing with surfactant followed by photo-Fenton oxidation. <i>Journal of Hazardous Materials</i> , 2010, 174, 770-775.	6.5	108
14	Degradation of the herbicide tebuthiuron using solar photo-Fenton process and ferric citrate complex at circumneutral pH. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 191, 187-192.	2.0	105
15	Degradação de fármacos residuais por processos oxidativos avançados. <i>Quimica Nova</i> , 2009, 32, 188-197.	0.3	97
16	Paracetamol degradation intermediates and toxicity during photo-Fenton treatment using different iron species. <i>Water Research</i> , 2012, 46, 5374-5380.	5.3	83
17	Parameters affecting sulfonamide photo-Fenton degradation – Iron complexation and substituent group. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 232, 8-13.	2.0	78
18	Environmental implications of soil remediation using the Fenton process. <i>Chemosphere</i> , 2008, 71, 43-50.	4.2	71

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19	TiO ₂ -fixed-bed reactor for water decontamination using solar light. <i>Solar Energy</i> , 1996, 56, 471-477.	2.9	70
20	Multivariate analysis of photo-Fenton degradation of the herbicides tebuthiuron, diuron and 2,4-D. <i>Chemosphere</i> , 2005, 58, 1107-1116.	4.2	68
21	Zero-valent iron mediated degradation of ciprofloxacin – Assessment of adsorption, operational parameters and degradation products. <i>Chemosphere</i> , 2014, 117, 345-352.	4.2	60
22	Photo-Fenton degradation kinetics of low ciprofloxacin concentration using different iron sources and pH. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 259, 53-58.	2.0	56
23	Sistema de injeção em fluxo espectrofotométrico para monitorar peróxido de hidrogênio em processo de fotodegradação por reação foto-Fenton. <i>Química Nova</i> , 2001, 24, 188-190.	0.3	55
24	Photodegradation of lincomycin and diazepam in sewage treatment plant effluent by photo-Fenton process. <i>Catalysis Today</i> , 2010, 151, 94-99.	2.2	55
25	Solar photodegradation of dichloroacetic acid and 2,4-dichlorophenol using an enhanced photo-Fenton process. <i>Chemosphere</i> , 2002, 48, 385-391.	4.2	52
26	Dissolved organic carbon in rainwater from areas heavily impacted by sugar cane burning. <i>Atmospheric Environment</i> , 2008, 42, 7115-7121.	1.9	48
27	Lignin biodegradation by the ascomycete <i>Chrysonilia sitophila</i> . <i>Applied Biochemistry and Biotechnology</i> , 1997, 62, 233-242.	1.4	44
28	Photo-Fenton degradation of the herbicide tebuthiuron under solar irradiation: Iron complexation and initial intermediates. <i>Water Research</i> , 2010, 44, 3745-3753.	5.3	43
29	Photocatalytic Degradation of Phenol and Trichloroethylene: On-Line and Real-Time Monitoring via Membrane Introduction Mass Spectrometry. <i>Industrial & Engineering Chemistry Research</i> , 1999, 38, 1754-1758.	1.8	42
30	Monitoring ecotoxicity of disperse red 1 dye during photo-Fenton degradation. <i>Chemosphere</i> , 2016, 148, 511-517.	4.2	42
31	Simultaneous degradation of the anticancer drugs 5-fluorouracil and cyclophosphamide using a heterogeneous photo-Fenton process based on copper-containing magnetites (Fe _{3-x} Cu _x O ₄). <i>Chemosphere</i> , 2020, 241, 124990.	4.2	41
32	Zero valent iron mediated degradation of the pharmaceutical diazepam. <i>Chemosphere</i> , 2012, 88, 688-692.	4.2	38
33	Total sugars in atmospheric aerosols: An alternative tracer for biomass burning. <i>Atmospheric Environment</i> , 2015, 100, 185-192.	1.9	38
34	Fenton-like degradation of sulfathiazole using copper-modified MgFe-CO ₃ layered double hydroxide. <i>Journal of Hazardous Materials</i> , 2021, 413, 125388.	6.5	38
35	Oxidation of p,p'-DDT and p,p'-DDE in highly and long-term contaminated soil using Fenton reaction in a slurry system. <i>Science of the Total Environment</i> , 2006, 371, 11-18.	3.9	34
36	Dissolved organic carbon in rainwater: Glassware decontamination and sample preservation and volatile organic carbon. <i>Atmospheric Environment</i> , 2007, 41, 8924-8931.	1.9	31

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37	2,4-Dichlorophenoxyacetic acid (2,4-D) degradation promoted by nanoparticulate zerovalent iron (nZVI) in aerobic suspensions. <i>Journal of Environmental Management</i> , 2013, 121, 72-79.	3.8	31
38	Photochemical transformation of antibiotics by excitation of Fe(III)-complexes in aqueous medium. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014, 274, 50-56.	2.0	28
39	A 13-year study of dissolved organic carbon in rainwater of an agro-industrial region of São Paulo state (Brazil) heavily impacted by biomass burning. <i>Science of the Total Environment</i> , 2017, 609, 476-483.	3.9	28
40	Photo-Fenton degradation of the pharmaceuticals ciprofloxacin and fluoxetine after anaerobic pre-treatment of hospital effluent. <i>Environmental Science and Pollution Research</i> , 2017, 24, 6233-6240.	2.7	24
41	Diesel degradation in soil by fenton process. <i>Journal of the Brazilian Chemical Society</i> , 2010, 21, 1089-1095.	0.6	21
42	Adsorption of triclosan on single wall carbon nanotubes: A first principle approach. <i>Applied Surface Science</i> , 2017, 403, 519-524.	3.1	21
43	Utilização de reações foto-Fenton na prevenção de contaminações agrícolas. <i>Química Nova</i> , 2005, 28, 847-851.	0.3	17
44	Nontronite mineral clay NAu-2 as support for hematite applied as catalyst for heterogeneous photo-Fenton processes. <i>Chemosphere</i> , 2021, 277, 130258.	4.2	16
45	Effect of the interlamellar anion on CuMgFe-LDH in solar photo-Fenton and Fenton-like degradation of the anticancer drug 5-fluorouracil. <i>Applied Catalysis B: Environmental</i> , 2022, 315, 121537.	10.8	15
46	A simple method for simultaneous determination of acetaldehyde, acetone, methanol, and ethanol in the atmosphere and natural waters. <i>Analytical Methods</i> , 2017, 9, 2915-2922.	1.3	14
47	Copper-containing magnetite supported on natural clay as a catalyst for heterogeneous photo-Fenton degradation of antibiotics in WWTP effluent. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107765.	3.3	14
48	Gas phase photocatalytic bacteria inactivation using metal modified TiO ₂ catalysts. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 253, 38-44.	2.0	13
49	Photo-Fenton degradation of sulfamethoxazole using MIL-53(Fe) under UVA LED irradiation and natural sunlight. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107678.	3.3	13
50	Zerovalent iron mediated degradation of sertraline: effect of H ₂ O ₂ addition and application to sewage treatment plant effluent. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 276-282.	1.6	12
51	Potencial de aplicação do processo foto-fenton/solar como pré-tratamento de efluente da indústria de laticínios. <i>Química Nova</i> , 2007, 30, 1799-1803.	0.3	12
52	Parameters affecting LED photoreactor efficiency in a heterogeneous photo-Fenton process using iron mining residue as catalyst. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2019, 54, 1277-1286.	0.9	11
53	An analysis of diurnal cycles in the mass of ambient aerosols derived from biomass burning and agro-industry. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 8675-8687.	1.2	9
54	Application of a stable Ag/TiO ₂ film in the simultaneous photodegradation of hormones. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 2656-2663.	1.6	9

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55	Surface composition and catalytic activity of an iron mining residue for simultaneous degradation of sulfonamide antibiotics. <i>Environmental Science and Pollution Research</i> , 2020, 27, 1710-1720.	2.7	9
56	Degradation of 2,4-O-4 lignin model and related compounds by the ascomycete <i>Chrysonilia sitophila</i> (TFB) Tj ETQq0,0,0 rgBT /Overlock 1	1.4	8
57	Evaluation of the influences of solution path length and additives concentrations on the solar photo-Fenton degradation of 4-chlorophenol using multivariate analysis. <i>Journal of Hazardous Materials</i> , 2006, 137, 1577-1582.	6.5	8
58	A new approach on synergistic effect and chemical stability of graphene oxide-magnetic nanocomposite in the heterogeneous Fenton degradation of caffeine. <i>Environmental Science and Pollution Research</i> , 2021, 28, 55014-55028.	2.7	8
59	Peroxydisulfate activation by CuO pellets in a fixed-bed column, operating mode and assessments for antibiotics degradation and urban wastewater disinfection. <i>Environmental Science and Pollution Research</i> , 2022, 29, 71709-71720.	2.7	8
60	Influence of dihydroxybenzenes on paracetamol and ciprofloxacin degradation and iron(III) reduction in Fenton processes. <i>Environmental Science and Pollution Research</i> , 2017, 24, 6157-6164.	2.7	7
61	Treatment of 1,10-phenanthroline laboratory wastewater using the solar photo-Fenton process. <i>Journal of Hazardous Materials</i> , 2007, 146, 508-513.	6.5	6
62	Effect of particle size, iron ligands and anions on ciprofloxacin degradation in zero-valent iron process: application to sewage treatment plant effluent. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 2300-2308.	1.6	6
63	Avaliação dos parâmetros de solubilidade de Hildebrand/Hansen na seleção de solventes para a extração de pesticidas organoclorados do solo. <i>Quimica Nova</i> , 2011, 34, 1501-1506.	0.3	5
64	Photo-Fenton approach for the determination of organic nitrogen in rainwater. <i>Atmospheric Environment</i> , 2018, 191, 525-531.	1.9	5
65	Temporal variation of ethanol in rainwater from the sugar cane belt of São Paulo State (Brazil). <i>Atmospheric Environment</i> , 2019, 216, 116926.	1.9	5
66	Fotodegradação de fenol e clorfenis por processo foto-Fenton mediado por ferrioxalato. <i>Ecletica Quimica</i> , 2002, 27, 169-185.	0.2	5
67	Cerium-modified iron oxides applied as catalysts in the heterogeneous Fenton system for degradation of cephalexin. <i>Environmental Science and Pollution Research</i> , 2021, 28, 23767-23777.	2.7	4
68	Influence of irradiation sources on the efficiency of copper-modified magnetite for photo-Fenton degradation of sulfathiazole. <i>International Journal of Environmental Science and Technology</i> , 2021, 18, 2723-2732.	1.8	3
69	Monitoring Pharmaceuticals Photo-Fenton Degradation Process by Using Solid Phase Extraction and Liquid Chromatography. <i>Analytical Letters</i> , 2008, 41, 1682-1690.	1.0	2
70	Degradation of Acid Red 8 Dye Using Photo-Fenton Reaction Mediated by Titanium Modified Catalysts. <i>Journal of the Brazilian Chemical Society</i> , 2019, , .	0.6	2
71	Modification of a Brazilian natural clay and catalytic activity in heterogeneous photo-Fenton process. <i>Chemosphere</i> , 2022, 291, 132966.	4.2	2
72	Photo-Fenton process for treating biological laboratory wastewater containing formaldehyde. <i>Ecletica Quimica</i> , 2010, 35, 25-33.	0.2	1

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73	Contribution of Irradiation and Dihydroxybenzenes on Iron(III) Reduction in Fenton Process. Journal of the Brazilian Chemical Society, 2016, , .	0.6	1
74	Photo-Fenton process for treating biological laboratory was tewa ter containing formaldehyde. Ecletica Quimica, 0, 35, 25.	0.2	0