

# Raquel F Pupo Nogueira

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70  
papers

3,708  
citations

31  
h-index

60  
g-index

76  
ext. papers

4,072  
ext. citations

6.2  
avg, IF

5.55  
L-index

#	Paper	IF	Citations
70	Simple and fast spectrophotometric determination of H <sub>2</sub> O <sub>2</sub> in photo-Fenton reactions using metavanadate. <i>Talanta</i> , <b>2005</b> , 66, 86-91	6.2	675
69	Degradation of sulfamethoxazole in water by solar photo-Fenton. Chemical and toxicological evaluation. <i>Water Research</i> , <b>2009</b> , 43, 3922-31	12.5	274
68	Degradation of the antibiotic amoxicillin by photo-Fenton process—chemical and toxicological assessment. <i>Water Research</i> , <b>2011</b> , 45, 1394-402	12.5	229
67	Photodegradation of sulfamethoxazole in various aqueous media: persistence, toxicity and photoproducts assessment. <i>Chemosphere</i> , <b>2009</b> , 77, 1292-8	8.4	217
66	Degradation of tetracycline by photo-Fenton process—solar irradiation and matrix effects. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2007</b> , 187, 33-39	4.7	185
65	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> , <b>2008</b> , 198, 215-220	4.7	163
64	Homogeneous photodegradation of C.I. Reactive Blue 4 using a photo-Fenton process under artificial and solar irradiation. <i>Dyes and Pigments</i> , <b>2007</b> , 74, 127-132	4.6	122
63	Fundamentos e aplicações ambientais dos processos fenton e foto-fenton. <i>Quimica Nova</i> , <b>2007</b> , 30, 400-408	8.6	107
62	Aquatic toxicity of dyes before and after photo-Fenton treatment. <i>Journal of Hazardous Materials</i> , <b>2014</b> , 276, 332-8	12.8	103
61	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> , <b>2007</b> , 191, 187-192	4.7	100
60	Influence of the iron source on the solar photo-Fenton degradation of different classes of organic compounds. <i>Solar Energy</i> , <b>2005</b> , 79, 384-392	6.8	98
59	Soil remediation using a coupled process: soil washing with surfactant followed by photo-Fenton oxidation. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 174, 770-5	12.8	96
58	Use of levoglucosan, potassium, and water-soluble organic carbon to characterize the origins of biomass-burning aerosols. <i>Atmospheric Environment</i> , <b>2012</b> , 61, 562-569	5.3	79
57	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> , <b>2018</b> , 224, 761-771	21.8	78
56	Degradação de fármacos residuais por processos oxidativos avançados. <i>Quimica Nova</i> , <b>2009</b> , 32, 188-197	1.6	68
55	Parameters affecting sulfonamide photo-Fenton degradation—Iron complexation and substituent group. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2012</b> , 232, 8-13	4.7	67
54	Paracetamol degradation intermediates and toxicity during photo-Fenton treatment using different iron species. <i>Water Research</i> , <b>2012</b> , 46, 5374-80	12.5	66

53	TiO <sub>2</sub> -fixed-bed reactor for water decontamination using solar light. <i>Solar Energy</i> , <b>1996</b> , 56, 471-477	6.8	60
52	Environmental implications of soil remediation using the Fenton process. <i>Chemosphere</i> , <b>2008</b> , 71, 43-50	8.4	57
51	Multivariate analysis of photo-Fenton degradation of the herbicides tebuthiuron, diuron and 2,4-D. <i>Chemosphere</i> , <b>2005</b> , 58, 1107-16	8.4	55
50	Photo-Fenton degradation kinetics of low ciprofloxacin concentration using different iron sources and pH. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2013</b> , 259, 53-58	4.7	49
49	Zero-valent iron mediated degradation of ciprofloxacin - assessment of adsorption, operational parameters and degradation products. <i>Chemosphere</i> , <b>2014</b> , 117, 345-52	8.4	48
48	Photodegradation of lincomycin and diazepam in sewage treatment plant effluent by photo-Fenton process. <i>Catalysis Today</i> , <b>2010</b> , 151, 94-99	5.3	45
47	Solar photodegradation of dichloroacetic acid and 2,4-dichlorophenol using an enhanced photo-Fenton process. <i>Chemosphere</i> , <b>2002</b> , 48, 385-91	8.4	42
46	Dissolved organic carbon in rainwater from areas heavily impacted by sugar cane burning. <i>Atmospheric Environment</i> , <b>2008</b> , 42, 7115-7121	5.3	40
45	Photo-Fenton degradation of the herbicide tebuthiuron under solar irradiation: iron complexation and initial intermediates. <i>Water Research</i> , <b>2010</b> , 44, 3745-53	12.5	39
44	Sistema de injeção em fluxo espectrofotométrico para monitorar peróxido de hidrogênio em processo de fotodegradação por reação foto-Fenton. <i>Química Nova</i> , <b>2001</b> , 24, 188-190	1.6	38
43	Lignin biodegradation by the ascomycete <i>Chrysonilia sitophila</i> . <i>Applied Biochemistry and Biotechnology</i> , <b>1997</b> , 62, 233-42	3.2	37
42	Zero valent iron mediated degradation of the pharmaceutical diazepam. <i>Chemosphere</i> , <b>2012</b> , 88, 688-92	8.4	34
41	Photocatalytic Degradation of Phenol and Trichloroethylene: On-Line and Real-Time Monitoring via Membrane Introduction Mass Spectrometry. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>1999</b> , 38, 1754-1758	3.9	33
40	Monitoring ecotoxicity of disperse red 1 dye during photo-Fenton degradation. <i>Chemosphere</i> , <b>2016</b> , 148, 511-7	8.4	31
39	2,4-Dichlorophenoxyacetic acid (2,4-D) degradation promoted by nanoparticulate zerovalent iron (nZVI) in aerobic suspensions. <i>Journal of Environmental Management</i> , <b>2013</b> , 121, 72-9	7.9	29
38	Total sugars in atmospheric aerosols: An alternative tracer for biomass burning. <i>Atmospheric Environment</i> , <b>2015</b> , 100, 185-192	5.3	28
37	Oxidation of p,p'-DDE and p,p'-DDD in highly and long-term contaminated soil using Fenton reaction in a slurry system. <i>Science of the Total Environment</i> , <b>2006</b> , 371, 11-8	10.2	28
36	Photochemical transformation of antibiotics by excitation of Fe(III)-complexes in aqueous medium. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2014</b> , 274, 50-56	4.7	25

35	Dissolved organic carbon in rainwater: Glassware decontamination and sample preservation and volatile organic carbon. <i>Atmospheric Environment</i> , <b>2007</b> , 41, 8924-8931	5.3	25
34	Simultaneous degradation of the anticancer drugs 5-fluorouracil and cyclophosphamide using a heterogeneous photo-Fenton process based on copper-containing magnetites (FeCuO). <i>Chemosphere</i> , <b>2020</b> , 241, 124990	8.4	25
33	Photo-Fenton degradation of the pharmaceuticals ciprofloxacin and fluoxetine after anaerobic pre-treatment of hospital effluent. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 6233-6240	5.1	20
32	Diesel degradation in soil by fenton process. <i>Journal of the Brazilian Chemical Society</i> , <b>2010</b> , 21, 1089-1095	5	16
31	A 13-year study of dissolved organic carbon in rainwater of an agro-industrial region of So Paulo state (Brazil) heavily impacted by biomass burning. <i>Science of the Total Environment</i> , <b>2017</b> , 609, 476-483	10.2	15
30	Fenton-like degradation of sulfathiazole using copper-modified MgFe-CO layered double hydroxide. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 413, 125388	12.8	14
29	Adsorption of triclosan on single wall carbon nanotubes: A first principle approach. <i>Applied Surface Science</i> , <b>2017</b> , 403, 519-524	6.7	13
28	Utilizao de reaes foto-Fenton na preveno de contaminaes agrcolas. <i>Quimica Nova</i> , <b>2005</b> , 28, 847-851	1.6	13
27	A simple method for simultaneous determination of acetaldehyde, acetone, methanol, and ethanol in the atmosphere and natural waters. <i>Analytical Methods</i> , <b>2017</b> , 9, 2915-2922	3.2	12
26	Gas phase photocatalytic bacteria inactivation using metal modified TiO <sub>2</sub> catalysts. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2013</b> , 253, 38-44	4.7	11
25	Zero-valent iron mediated degradation of sertraline - Effect of H <sub>2</sub> O <sub>2</sub> addition and application to sewage treatment plant effluent. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2016</b> , 91, 276-282	3.5	11
24	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> , <b>2013</b> , 118, 8675-8687	4.4	9
23	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> , <b>2006</b> , 137, 1577-82	12.8	8
22	Degradation of ̢-O-4 lignin model and related compounds by the ascomycete <i>Chrysonilia sitophila</i> (TFB 27441 strain). <i>Applied Biochemistry and Biotechnology</i> , <b>1992</b> , 33, 169-176	3.2	8
21	Potencial de aplicao do processo foto-fenton/solar como pr-tratamento de efluente da indstria de laticnios. <i>Quimica Nova</i> , <b>2007</b> , 30, 1799-1803	1.6	8
20	Influence of dihydroxybenzenes on paracetamol and ciprofloxacin degradation and iron(III) reduction in Fenton processes. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 6157-6164	5.1	7
19	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> , <b>2019</b> , 54, 1277-1286	2.3	7
18	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> , <b>2017</b> , 92, 2300-2308	3.5	6

17	Nontronite mineral clay NAu-2 as support for hematite applied as catalyst for heterogeneous photo-Fenton processes. <i>Chemosphere</i> , <b>2021</b> , 277, 130258	8.4	6
16	Treatment of 1,10-phenanthroline laboratory wastewater using the solar photo-Fenton process. <i>Journal of Hazardous Materials</i> , <b>2007</b> , 146, 508-13	12.8	5
15	Temporal variation of ethanol in rainwater from the sugar cane belt of São Paulo State (Brazil). <i>Atmospheric Environment</i> , <b>2019</b> , 216, 116926	5.3	4
14	Photo-Fenton approach for the determination of organic nitrogen in rainwater. <i>Atmospheric Environment</i> , <b>2018</b> , 191, 525-531	5.3	3
13	Fotodegradação de fenol e clorofenóis por processo foto-Fenton mediado por ferrioxalato. <i>Eletica Quimica</i> , <b>2002</b> , 27, 169-185	2.6	3
12	Avaliação dos parâmetros de solubilidade de Hildebrand/Hansen na seleção de solventes para a extração de pesticidas organoclorados do solo. <i>Quimica Nova</i> , <b>2011</b> , 34, 1501-1506	1.6	2
11	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> , <b>2021</b> , 28, 55014-55028	5.1	2
10	Application of a stable Ag/TiO <sub>2</sub> film in the simultaneous photodegradation of hormones. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2019</b> , 95, 2656	3.5	1
9	Monitoring Pharmaceuticals Photo-Fenton Degradation Process by Using Solid Phase Extraction and Liquid Chromatography. <i>Analytical Letters</i> , <b>2008</b> , 41, 1682-1690	2.2	1
8	Surface composition and catalytic activity of an iron mining residue for simultaneous degradation of sulfonamide antibiotics. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 1710-1720	5.1	1
7	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> , <b>2021</b> , 18, 2723-2732	3.3	1
6	Cerium-modified iron oxides applied as catalysts in the heterogeneous Fenton system for degradation of cephalexin. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 23767-23777	5.1	1
5	Photo-Fenton degradation of sulfamethoxazole using MIL-53(Fe) under UVA LED irradiation and natural sunlight. <i>Journal of Environmental Chemical Engineering</i> , <b>2022</b> , 107678	6.8	1
4	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> , <b>2022</b> , 315, 121537	21.8	1
3	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> , <b>2022</b> , 107765	6.8	0
2	Photo-Fenton process for treating biological laboratory wastewater containing formaldehyde. <i>Eletica Quimica</i> , <b>2010</b> , 35, 25-33	2.6	
1	Modification of a Brazilian natural clay and catalytic activity in heterogeneous photo-Fenton process. <i>Chemosphere</i> , <b>2021</b> , 291, 132966	8.4	