

# Josã© Roberto Guimarães

## List of Publications by Year in descending order

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64  
papers

1,257  
citations

430754

18  
h-index

395590

33  
g-index

65  
all docs

65  
docs citations

65  
times ranked

1724  
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparative study on the degradation of RB-19 dye in an aqueous medium by advanced oxidation processes. <i>Journal of Environmental Management</i> , 2012, 110, 33-39.	3.8	116
2	Photodegradation of dichloroacetic acid and 2,4-dichlorophenol by ferrioxalate/H <sub>2</sub> O <sub>2</sub> system. <i>Water Research</i> , 2000, 34, 895-901.	5.3	110
3	Arsenic removal from water employing heterogeneous photocatalysis with TiO <sub>2</sub> immobilized in PET bottles. <i>Chemosphere</i> , 2008, 72, 319-324.	4.2	79
4	Photocatalytic degradation of ofloxacin and evaluation of the residual antimicrobial activity. <i>Photochemical and Photobiological Sciences</i> , 2015, 14, 556-562.	1.6	72
5	Influence of pH and ozone dose on sulfaquinoxaline ozonation. <i>Journal of Environmental Management</i> , 2017, 195, 224-231.	3.8	68
6	SARS-CoV-2: a systematic review of indoor air sampling for virus detection. <i>Environmental Science and Pollution Research</i> , 2021, 28, 40460-40473.	2.7	55
7	Degradation of formaldehyde by advanced oxidation processes. <i>Journal of Environmental Management</i> , 2012, 107, 96-101.	3.8	53
8	Waste management plan for higher education institutions in developing countries: The Continuous Improvement Cycle model. <i>Journal of Cleaner Production</i> , 2017, 147, 108-118.	4.6	52
9	Degradation of flumequine by the Fenton and photo-Fenton processes: Evaluation of residual antimicrobial activity. <i>Science of the Total Environment</i> , 2013, 445-446, 337-346.	3.9	43
10	Short-term toxicity test using <i>Escherichia coli</i> : Monitoring CO <sub>2</sub> production by flow injection analysis. <i>Water Research</i> , 1990, 24, 351-354.	5.3	40
11	Kinetics of the oxidation of formaldehyde in a flow electrochemical reactor with TiO <sub>2</sub> /RuO <sub>2</sub> anode. <i>Chemical Engineering Journal</i> , 2008, 136, 236-241.	6.6	39
12	Degradation of flumequine by photocatalysis and evaluation of antimicrobial activity. <i>Chemical Engineering Journal</i> , 2013, 224, 46-52.	6.6	37
13	Antimicrobial activity against Gram-positive and Gram-negative bacteria during gatifloxacin degradation by hydroxyl radicals. <i>Environmental Science and Pollution Research</i> , 2017, 24, 6288-6298.	2.7	33
14	Fate of ivermectin in the terrestrial and aquatic environment: mobility, degradation, and toxicity towards <i>Daphnia similis</i> . <i>Environmental Science and Pollution Research</i> , 2016, 23, 5654-5666.	2.7	30
15	Inactivation of <i>Escherichia coli</i> in water by TiO <sub>2</sub> -assisted disinfection using solar light. <i>Journal of the Brazilian Chemical Society</i> , 2007, 18, 126-134.	0.6	24
16	Advanced oxidation processes on doxycycline degradation: monitoring of antimicrobial activity and toxicity. <i>Environmental Science and Pollution Research</i> , 2019, 26, 27604-27619.	2.7	22
17	Measuring the CO <sub>2</sub> flux at the air/water interface in lakes using flow injection analysis. <i>Journal of Environmental Monitoring</i> , 2001, 3, 317-321.	2.1	19
18	Environmental behavior of arsenic(III) and (V) in soils. <i>Journal of Environmental Monitoring</i> , 2009, 11, 1412.	2.1	19

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19	Long-term ecotoxicological effects of ciprofloxacin in combination with caffeine on the microalga <i>Raphidocelis subcapitata</i> . <i>Toxicology Reports</i> , 2021, 8, 429-435.	1.6	19
20	Photo-assisted electrochemical degradation of the commercial herbicide atrazine. <i>Water Science and Technology</i> , 2010, 62, 2729-2736.	1.2	18
21	Inactivation of bacteria and helminth in wastewater treatment plant effluent using oxidation processes. <i>Water Science and Technology</i> , 2013, 68, 1825-1829.	1.2	16
22	Evaluation of organic load measurement techniques in a sewage and waste stabilisation pond. <i>Journal of the Brazilian Chemical Society</i> , 2004, 15, 131-135.	0.6	15
23	Abatement and toxicity reduction of antimicrobials by UV/H <sub>2</sub> O <sub>2</sub> process. <i>Journal of Environmental Management</i> , 2017, 193, 439-447.	3.8	15
24	Photocatalytic inactivation of <i>Clostridium perfringens</i> and coliphages in water. <i>Brazilian Journal of Chemical Engineering</i> , 2003, 20, 403-411.	0.7	15
25	Photocatalytic removal of fluoroquinolones and their antimicrobial activity from water matrices at trace levels: a comparison of commercial TiO <sub>2</sub> catalysts. <i>Water Science and Technology</i> , 2018, 78, 1668-1678.	1.2	12
26	Pre-ozonation of source water: Assessment of efficacy against <i>Giardia duodenalis</i> cysts and effects on natural organic matter. <i>Chemosphere</i> , 2019, 214, 764-770.	4.2	12
27	Degradation of benzimidazoles by photoperoxidation: metabolites detection and ecotoxicity assessment using <i>Raphidocelis subcapitata</i> microalgae and <i>Vibrio fischeri</i> . <i>Environmental Science and Pollution Research</i> , 2021, 28, 23742-23752.	2.7	12
28	Ammonia removal from landfill leachate by struvite formation: an alarming concentration of phosphorus in the treated effluent. <i>Water Science and Technology</i> , 2016, 74, 2970-2977.	1.2	11
29	A simple voltammetric procedure for speciation and evaluation of As removal from water. <i>Environmental Chemistry Letters</i> , 2007, 5, 137-141.	8.3	10
30	Avaliação da partida e operação de filtros anaeróbios tendo bambu como material de recheio. <i>Engenharia Sanitaria E Ambiental</i> , 2011, 16, 11-16.	0.1	10
31	Urban water reuse: microbial pathogens control by direct filtration and ultraviolet disinfection. <i>Journal of Water and Health</i> , 2014, 12, 465-473.	1.1	10
32	Stripped sour water treatment by advanced oxidation processes. <i>Journal of the Brazilian Chemical Society</i> , 2012, 23, 1680-1687.	0.6	9
33	Treatment of landfill leachate: Removal of ammonia by struvite formation. <i>Water S A</i> , 2014, 40, 491.	0.2	9
34	Antimicrobial activity and acute toxicity of ozonated lomefloxacin solution. <i>Environmental Science and Pollution Research</i> , 2017, 24, 6252-6260.	2.7	9
35	Trace organic contaminants removal from municipal wastewater using the FluHelix reactor: From laboratory-scale to pre-pilot scale. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105060.	3.3	9
36	Deteção de oocistos de <i>Cryptosporidium</i> spp. e cistos de <i>Giardia</i> spp. em amostras de esgoto bruto ou tratado: avaliação crítica dos métodos. <i>Engenharia Sanitaria E Ambiental</i> , 2011, 16, 115-120.	0.1	9

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37	Development of a novel photocatalyst: Titania nanostructure bunches decorated on graphene oxide for enhanced photocatalytic efficiency. <i>Materials Research Bulletin</i> , 2022, 146, 111601.	2.7	9
38	Evaluation of amicarbazone toxicity removal through degradation processes based on hydroxyl and sulfate radicals. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2019, 54, 1126-1143.	0.9	8
39	Degradation of antidepressant pharmaceuticals by photoperoxidation in diverse water matrices: a highlight in the evaluation of acute and chronic toxicity. <i>Environmental Science and Pollution Research</i> , 2021, 28, 24034-24045.	2.7	8
40	A Water-Energy Nexus analysis to a sustainable transition path for Sao Paulo State, Brazil. <i>Journal of Cleaner Production</i> , 2021, 319, 128697.	4.6	8
41	OCCURRENCE AND DEGRADATION OF QUINOLONES BY ADVANCED OXIDATION PROCESSES. <i>Quimica Nova</i> , 2014, , .	0.3	8
42	Lomefloxacin Degradation: Antimicrobial Activity, Toxicity and Byproducts. <i>Journal of Advanced Oxidation Technologies</i> , 2015, 18, .	0.5	7
43	Chloroform formation by chlorination of aqueous algae suspensions: online monitoring via membrane introduction mass spectrometry. <i>Journal of the Brazilian Chemical Society</i> , 2008, 19, 950-955.	0.6	7
44	Pre-ozonation of surface water: An effective water treatment process to reduce the risk of infection by Giardia in drinking water. <i>Environmental Pollution</i> , 2020, 266, 115144.	3.7	6
45	Evaluation of residual antimicrobial activity and acute toxicity during the degradation of gatifloxacin by ozonation. <i>Water Science and Technology</i> , 2021, 84, 225-236.	1.2	6
46	Ozonização em meio básico para redução de cor do licor negro de indústria de celulose de algodão. <i>Engenharia Sanitaria E Ambiental</i> , 2010, 15, 93-98.	0.1	5
47	Sulfetos volatilizáveis por acidificação e metais extraídos simultaneamente na avaliação de sedimentos de água doce. <i>Quimica Nova</i> , 2011, 34, 1618-1628.	0.3	5
48	Mercury in the Waters of the Jundiaí-River, SP, Brazil: The Role of Dissolved Organic Matter. <i>Aquatic Geochemistry</i> , 2012, 18, 445-456.	1.5	5
49	Desnitrificação em um sistema simplificado de tratamento de esgoto. <i>Engenharia Sanitaria E Ambiental</i> , 2013, 18, 381-392.	0.1	5
50	Degradation of Sucralose by Peroxidation Assisted with Ultraviolet Radiation and Photo-Fenton. <i>International Journal of Engineering and Technology</i> , 2015, 7, 438-444.	0.1	5
51	Giardia duodenalis: Number and Fluorescence Reduction Caused by the Advanced Oxidation Process (H <sub>2</sub> O <sub>2</sub> /UV). <i>International Scholarly Research Notices</i> , 2014, 2014, 1-7.	0.9	4
52	Inactivation of Clostridium perfringens, Total Coliforms, and Escherichia coli by UV/H <sub>2</sub> O <sub>2</sub> in Wastewater Treatment Plant Effluent. <i>Journal of Advanced Oxidation Technologies</i> , 2016, 19, .	0.5	4
53	Short-term toxicity test: monitoring Klebsiella oxytoca bacterium respiration using a flow injection analysis/conductometric system. <i>Journal of the Brazilian Chemical Society</i> , 2012, 23, 461-467.	0.6	4
54	Inativação de cistos de Giardia duodenalis por oxidação e oxidação assistida por radiação ultravioleta. <i>Engenharia Sanitaria E Ambiental</i> , 2015, 20, 159-164.	0.1	3

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55	Ciliated protozoa community of a combined UASB activated sludge system in southeastern Brazil. <i>Environmental Science and Pollution Research</i> , 2016, 23, 23804-23814.	2.7	3
56	Removal of the antimicrobial activity from fortified effluents with fluoroquinolones by photocatalytic processes: a comparative study of differently synthesized TiO <sub>2</sub> -N. <i>Water Science and Technology</i> , 2020, 82, 603-614.	1.2	3
57	Influence of pH value on sulfonamide ozonation using caffeine as a contamination indicator. <i>Water Science and Technology: Water Supply</i> , 2020, 20, 508-515.	1.0	3
58	Gatifloxacin photocatalytic degradation in different water matrices: Antimicrobial activity and acute toxicity reduction. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 430, 113973.	2.0	3
59	Degradation of Ivermectin by Fenton and Photo-Fenton and Toxicity Test Using <i>Daphnia similis</i> . <i>Journal of Advanced Oxidation Technologies</i> , 2011, 14, .	0.5	2
60	Antibacterial Activity Inhibition after the Degradation of Flumequine by UV/H <sub>2</sub> O <sub>2</sub> . <i>Journal of Advanced Oxidation Technologies</i> , 2011, 14, .	0.5	2
61	Abamectin Degradation by Advanced Oxidation Processes: Evaluation of Toxicity Reduction Using <i>Daphnia similis</i> . <i>Journal of Advanced Oxidation Technologies</i> , 2014, 17, .	0.5	1
62	Sulfaquinoxaline Oxidation and Toxicity Reduction by Photo-Fenton Process. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 1005.	1.2	1
63	EVALUATION OF RESIDUAL ANTIMICROBIAL ACTIVITY OF FLUMEQUINE SOLUTIONS SUBJECTED TO ELECTROCHEMICAL AND PHOTO-ELECTROCHEMICAL PROCESSES. <i>Quimica Nova</i> , 2014, , .	0.3	1
64	Controle da qualidade na determinação potenciométrica de sulfetos volatilizáveis por acidificação (SVA) utilizando aditivos de padrão. <i>Quimica Nova</i> , 2012, 35, 832-836.	0.3	0