

# 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	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
2	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
3	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
4	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
5	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
6	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
7	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
8	Trace organic contaminants removal from municipal wastewater using the FluHelik reactor: From laboratory-scale to pre-pilot scale. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105060.	3.3	9
9	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
10	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
11	Pre-ozonation of surface water: An effective water treatment process to reduce the risk of infection by <i>Giardia</i> in drinking water. <i>Environmental Pollution</i> , 2020, 266, 115144.	3.7	6
12	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
13	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
14	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
15	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
16	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
17	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
18	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

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19	Antimicrobial activity and acute toxicity of ozonated lomefloxacin solution. <i>Environmental Science and Pollution Research</i> , 2017, 24, 6252-6260.	2.7	9
20	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
21	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
22	Influence of pH and ozone dose on sulfaquinoxaline ozonation. <i>Journal of Environmental Management</i> , 2017, 195, 224-231.	3.8	68
23	Inactivation of <i>Clostridium perfringens</i> , Total Coliforms, and <i>Escherichia coli</i> 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
24	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
25	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
26	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
27	Lomefloxacin Degradation: Antimicrobial Activity, Toxicity and Byproducts. <i>Journal of Advanced Oxidation Technologies</i> , 2015, 18, .	0.5	7
28	Inativação de cistos de <i>Giardia duodenalis</i> por peroxidação e peroxidação assistida por radiação ultravioleta. <i>Engenharia Sanitaria E Ambiental</i> , 2015, 20, 159-164.	0.1	3
29	Photocatalytic degradation of ofloxacin and evaluation of the residual antimicrobial activity. <i>Photochemical and Photobiological Sciences</i> , 2015, 14, 556-562.	1.6	72
30	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
31	Treatment of landfill leachate: Removal of ammonia by struvite formation. <i>Water S A</i> , 2014, 40, 491.	0.2	9
32	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
33	<i>Giardia duodenalis</i> : 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
34	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
35	OCCURRENCE AND DEGRADATION OF QUINOLONES BY ADVANCED OXIDATION PROCESSES. <i>Quimica Nova</i> , 2014, , .	0.3	8
36	EVALUATION OF RESIDUAL ANTIMICROBIAL ACTIVITY OF FLUMEQUINE SOLUTIONS SUBJECTED TO ELECTROCHEMICAL AND PHOTO-ELECTROCHEMICAL PROCESSES. <i>Quimica Nova</i> , 2014, , .	0.3	1

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37	Degradation of flumequine by photocatalysis and evaluation of antimicrobial activity. <i>Chemical Engineering Journal</i> , 2013, 224, 46-52.	6.6	37
38	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
39	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
40	Desnitrificação em um sistema simplificado de tratamento de esgoto. <i>Engenharia Sanitaria E Ambiental</i> , 2013, 18, 381-392.	0.1	5
41	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
42	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
43	Controle da qualidade na determinação potenciométrica de sulfetos volatilizáveis por acidificação (SVA) utilizando adições de padrão. <i>Quimica Nova</i> , 2012, 35, 832-836.	0.3	0
44	Stripped sour water treatment by advanced oxidation processes. <i>Journal of the Brazilian Chemical Society</i> , 2012, 23, 1680-1687.	0.6	9
45	Degradation of formaldehyde by advanced oxidation processes. <i>Journal of Environmental Management</i> , 2012, 107, 96-101.	3.8	53
46	Short-term toxicity test: monitoring <i>Klebsiella oxytoca</i> bacterium respiration using a flow injection analysis/conductometric system. <i>Journal of the Brazilian Chemical Society</i> , 2012, 23, 461-467.	0.6	4
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	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
49	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
50	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
51	Detecção 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
52	Photo-assisted electrochemical degradation of the commercial herbicide atrazine. <i>Water Science and Technology</i> , 2010, 62, 2729-2736.	1.2	18
53	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
54	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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55	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
56	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
57	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
58	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
59	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
60	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
61	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
62	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
63	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
64	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