

# Rui M C Viegas

## List of Publications by Year in descending order

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31  
papers

888  
citations

623188

14  
h-index

525886

27  
g-index

31  
all docs

31  
docs citations

31  
times ranked

878  
citing authors

#	ARTICLE	IF	CITATIONS
1	How do the HSDM and Boyd's model compare for estimating intraparticle diffusion coefficients in adsorption processes. <i>Adsorption</i> , 2014, 20, 737-746.	1.4	137
2	Removal of heavy metals from drinking water supplies through the ion exchange membrane bioreactor. <i>Desalination</i> , 2006, 199, 405-407.	4.0	131
3	Mass transfer correlations in membrane extraction: Analysis of Wilson-plot methodology. <i>Journal of Membrane Science</i> , 1998, 145, 129-142.	4.1	108
4	Modelling of the enantio-selective extraction of propranolol in a biphasic system. <i>Separation and Purification Technology</i> , 2007, 53, 224-234.	3.9	77
5	Transport mechanisms and modelling in liquid membrane contactors. <i>Separation and Purification Technology</i> , 2000, 19, 183-197.	3.9	49
6	Membrane-based solvent extraction and stripping of lactate in hollow-fibre contactors. <i>Journal of Membrane Science</i> , 1997, 134, 19-32.	4.1	47
7	Removal of valeric acid from wastewaters by membrane contactors. <i>Journal of Membrane Science</i> , 1997, 137, 45-53.	4.1	37
8	Modelling and understanding the competitive adsorption of microcystins and tannic acid. <i>Water Research</i> , 2013, 47, 5690-5699.	5.3	36
9	Assessing the applicability of a new carob waste-derived powdered activated carbon to control pharmaceutical compounds in wastewater treatment. <i>Science of the Total Environment</i> , 2020, 743, 140791.	3.9	29
10	Extraction and re-extraction of phenylalanine by cationic reversed micelles in hollow fibre contactors. <i>Journal of Membrane Science</i> , 1999, 156, 303-319.	4.1	28
11	Aroma recovery by integration of sweeping gas pervaporation and liquid absorption in membrane contactors. <i>Separation and Purification Technology</i> , 2009, 70, 103-111.	3.9	26
12	Modelling chlorine residual decay as influenced by temperature. <i>Water and Environment Journal</i> , 2015, 29, 331-337.	1.0	21
13	Pilot Studies and Cost Analysis of Hybrid Powdered Activated Carbon/Ceramic Microfiltration for Controlling Pharmaceutical Compounds and Organic Matter in Water Reclamation. <i>Water (Switzerland)</i> , 2020, 12, 33.	1.2	21
14	Enantioselective Separation of Propranolol by Chiral Activated Membranes. <i>Separation Science and Technology</i> , 2005, 40, 773-789.	1.3	14
15	Adsorption/Coagulation/Ceramic Microfiltration for Treating Challenging Waters for Drinking Water Production. <i>Membranes</i> , 2021, 11, 91.	1.4	14
16	To what extent may pharmaceuticals and pesticides be removed by PAC conventional addition to low-turbidity surface waters and what are the potential bottlenecks?. <i>Journal of Water Process Engineering</i> , 2021, 40, 101833.	2.6	14
17	Key Factors for Activated Carbon Adsorption of Pharmaceutical Compounds from Wastewaters: A Multivariate Modelling Approach. <i>Water (Switzerland)</i> , 2022, 14, 166.	1.2	14
18	Racemic resolution of propranolol in membrane contactors: Modelling and process optimisation. <i>Journal of Membrane Science</i> , 2007, 305, 203-214.	4.1	13

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19	Kinetics of phenylalanine extraction and reextraction by cationic reversed micelles using a diffusion cell. <i>Chemical Engineering Science</i> , 2000, 55, 2835-2847.	1.9	12
20	Engineered pine nut shell derived activated carbons for improved removal of recalcitrant pharmaceuticals in urban wastewater treatment. <i>Journal of Hazardous Materials</i> , 2022, 437, 129319.	6.5	11
21	Powdered activated carbon full-scale addition to the activated sludge reactor of a municipal wastewater treatment plant: Pharmaceutical compounds control and overall impact on the process. <i>Journal of Water Process Engineering</i> , 2022, 49, 102975.	2.6	9
22	Water reclamation with hybrid coagulation-ceramic microfiltration: first part of a long-term pilot study in Portugal. <i>Journal of Water Reuse and Desalination</i> , 2015, 5, 550-556.	1.2	8
23	Operational performance and cost analysis of PAC/ceramic MF for drinking water production: Exploring treatment capacity as a new indicator for performance assessment and optimization. <i>Separation and Purification Technology</i> , 2021, 255, 117443.	3.9	8
24	MEMBRANE CONTACTORS: MEMBRANE SEPARATIONS. , 2000, , 3303-3311.		7
25	Assessment of Current Models Ability to Describe Chlorine Decay and Appraisal of Water Spectroscopic Data as Model Inputs. <i>Journal of Environmental Engineering, ASCE</i> , 2017, 143, 04016071.	0.7	5
26	Hybrid Process of Adsorption/Coagulation/Ceramic MF for Removing Pesticides in Drinking Water Treatment-Inline vs. Contact Tank PAC Dosing. <i>Membranes</i> , 2021, 11, 72.	1.4	5
27	Hybrid modelling of the racemic resolution of propranolol in membrane contactors. <i>Desalination</i> , 2006, 200, 595-597.	4.0	3
28	Identification and Modelling of Chlorine Decay Mechanisms in Reclaimed Water Containing Ammonia. <i>Sustainability</i> , 2021, 13, 13548.	1.6	2
29	Activated carbons in full-scale advanced wastewater treatment. , 2022, , 433-475.		2
30	Tratamento de Água com carvão ativado em p <sup>3</sup> /microfiltração cerâmica (PAC/MF) - quando e onde?. <i>Águas E Resíduos</i> , 2017, , 17-29.	0.0	0
31	Estratégias de reforço físico-químico com carvão ativado em p <sup>3</sup> para controlo de fármacos em ETAR. <i>Águas E Resíduos</i> , 2020, , 18-27.	0.1	0