

Nikolay S Voutchkov

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,318
citations

759055

12
h-index

940416

16
g-index

25
all docs

25
docs citations

25
times ranked

1541
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy use for membrane seawater desalination – current status and trends. <i>Desalination</i> , 2018, 431, 2-14.	4.0	346
2	Considerations for selection of seawater filtration pretreatment system. <i>Desalination</i> , 2010, 261, 354-364.	4.0	173
3	Disinfection by-products and their potential impact on the quality of water produced by desalination systems: A literature review. <i>Desalination</i> , 2009, 237, 214-237.	4.0	157
4	Selection of pretreatment technologies for seawater reverse osmosis plants: A review. <i>Desalination</i> , 2019, 449, 78-91.	4.0	142
5	Overview of seawater concentrate disposal alternatives. <i>Desalination</i> , 2011, 273, 205-219.	4.0	114
6	Fundamental chemistry and engineering aspects of post-treatment processes for desalinated water – A review. <i>Desalination</i> , 2011, 273, 6-22.	4.0	91
7	Investigation of environmental influences on membrane biofouling in a Southern California desalination pilot plant. <i>Desalination</i> , 2013, 319, 1-9.	4.0	71
8	Composition and Variability of Biofouling Organisms in Seawater Reverse Osmosis Desalination Plants. <i>Applied and Environmental Microbiology</i> , 2011, 77, 4390-4398.	1.4	70
9	Desalination energy minimization using thin film nanocomposite membranes. <i>Desalination</i> , 2014, 350, 35-43.	4.0	27
10	SWRO desalination process: on the beach – seawater intakes. <i>Filtration and Separation</i> , 2005, 42, 24-27.	0.2	22
11	Balancing carbon, nitrogen and phosphorus concentration in seawater as a strategy to prevent accelerated membrane biofouling. <i>Water Research</i> , 2019, 165, 114978.	5.3	21
12	Seawater desalination costs cut through power plant co-location. <i>Filtration and Separation</i> , 2004, 41, 24-26.	0.2	18
13	Heuristic Screening Methodology for Regional Wastewater Treatment Planning. <i>Journal of Environmental Engineering, ASCE</i> , 1993, 119, 603-614.	0.7	11
14	Salinity tolerance evaluation methodology for desalination plant discharge. <i>Desalination and Water Treatment</i> , 2009, 1, 68-74.	1.0	8
15	SWRO pre-treatment systems: Choosing between conventional and membrane filtration. <i>Filtration and Separation</i> , 2009, 46, 5-8.	0.2	7
16	Seawater desalination: US desalination industry addresses obstacles to growth. <i>Filtration and Separation</i> , 2010, 47, 36-39.	0.2	6
17	Membrane Foulants and Saline Water Pretreatment. , 2017, , 11-41.		2
18	Desalination Process Technology. , 2010, , 21-90.		2

#	ARTICLE	IF	CITATIONS
19	INTERACTION OF CLARIFIERS WITH OTHER FACILITIES. Proceedings of the Water Environment Federation, 2005, 2005, 6403-6430.	0.0	0
20	Guidelines for Pretreatment System Selection. , 2017, , 239-248.		0
21	Desalination plant discharge characterization. , 2020, , 13-23.		0
22	Regional concentrate management. , 2020, , 223-230.		0
23	Discharge to sanitary sewer. , 2020, , 131-136.		0
24	Surface water discharge of concentrate. , 2020, , 25-77.		0