

# Oscar Alvarez-Silva

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4847641/publications.pdf>

Version: 2024-02-01

14  
papers

282  
citations

1162889

8  
h-index

1281743

11  
g-index

14  
all docs

14  
docs citations

14  
times ranked

315  
citing authors

#	ARTICLE	IF	CITATIONS
1	Practical global salinity gradient energy potential. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 60, 1387-1395.	8.2	97
2	Salinity Gradient Energy at River Mouths. <i>Environmental Science and Technology Letters</i> , 2014, 1, 410-415.	3.9	34
3	Salinity gradient energy potential in Colombia considering site specific constraints. <i>Renewable Energy</i> , 2015, 74, 737-748.	4.3	31
4	Potential and analysis of an osmotic power plant in the Magdalena River using experimental field-data. <i>Energy</i> , 2019, 180, 548-555.	4.5	24
5	Site-specific potential analysis for pressure retarded osmosis (PRO) power plants – The León River example. <i>Renewable Energy</i> , 2014, 68, 466-474.	4.3	22
6	Saltwater Intrusion into a River with High Fluvial Discharge: A Microtidal Estuary of the Magdalena River, Colombia. <i>Journal of Coastal Research</i> , 2018, 34, 1273.	0.1	20
7	Effects of water pretreatment on the extractable salinity gradient energy at river mouths: the case of Magdalena River, Caribbean Sea. <i>Journal of Ocean Engineering and Marine Energy</i> , 2019, 5, 227-240.	0.9	11
8	Salinity gradient power by reverse electrodialysis: A multidisciplinary assessment in the Colombian context. <i>Desalination</i> , 2021, 503, 114933.	4.0	11
9	Interannual variability of wave climate in the Caribbean Sea. <i>Ocean Dynamics</i> , 2020, 70, 965-976.	0.9	9
10	Estimation of the electric power potential using Pressure Retarded Osmosis in the Leon River's mouth: A first step for the harnessing of saline gradients in Colombia. , 2011, , .		8
11	Variability of the thermohaline structure of a coastal hypersaline lagoon and the implications for salinity gradient energy harvesting. <i>Sustainable Energy Technologies and Assessments</i> , 2020, 38, 100645.	1.7	8
12	Hidrodinámica aplicada a la gestión y la conservación de ecosistemas marinos y costeros: Isla Gorgona, Océano Pacífico Colombiano. <i>Revista De Biología Tropical</i> , 0, 62, 133.	0.1	4
13	Analysis of the Intake Locations of Salinity Gradient Plants Using Hydrodynamic and Membrane Models. <i>Water (Switzerland)</i> , 2021, 13, 1133.	1.2	2
14	Advances in the study of coastal processes in the continental Colombian Caribbean coast. <i>Regional Studies in Marine Science</i> , 2022, 51, 102209.	0.4	1