

# Upeksha Caldera

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3596073/publications.pdf>

Version: 2024-02-01

19  
papers

1,531  
citations

516215

16  
h-index

839053

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

1160  
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-cost renewable electricity as the key driver of the global energy transition towards sustainability. <i>Energy</i> , 2021, 227, 120467.	4.5	358
2	On the role of solar photovoltaics in global energy transition scenarios. <i>Progress in Photovoltaics: Research and Applications</i> , 2017, 25, 727-745.	4.4	250
3	Local cost of seawater RO desalination based on solar PV and wind energy: A global estimate. <i>Desalination</i> , 2016, 385, 207-216.	4.0	176
4	Role of Seawater Desalination in the Management of an Integrated Water and 100% Renewable Energy Based Power Sector in Saudi Arabia. <i>Water (Switzerland)</i> , 2018, 10, 3.	1.2	113
5	Learning Curve for Seawater Reverse Osmosis Desalination Plants: Capital Cost Trend of the Past, Present, and Future. <i>Water Resources Research</i> , 2017, 53, 10523-10538.	1.7	108
6	An energy transition pathway for Turkey to achieve 100% renewable energy powered electricity, desalination and non-energetic industrial gas demand sectors by 2050. <i>Solar Energy</i> , 2017, 158, 218-235.	2.9	70
7	Global scenarios for significant water use reduction in thermal power plants based on cooling water demand estimation using satellite imagery. <i>Nature Energy</i> , 2019, 4, 1040-1048.	19.8	60
8	The role that battery and water storage play in Saudi Arabia's transition to an integrated 100% renewable energy power system. <i>Journal of Energy Storage</i> , 2018, 17, 299-310.	3.9	58
9	Energy Security Analysis for a 100% Renewable Energy Transition in Jordan by 2050. <i>Sustainability</i> , 2020, 12, 4921.	1.6	57
10	Strengthening the global water supply through a decarbonised global desalination sector and improved irrigation systems. <i>Energy</i> , 2020, 200, 117507.	4.5	49
11	The impact of renewable energy and sector coupling on the pathway towards a sustainable energy system in Chile. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 151, 111557.	8.2	49
12	Assessing the potential for renewable energy powered desalination for the global irrigation sector. <i>Science of the Total Environment</i> , 2019, 694, 133598.	3.9	40
13	Global energy transition to 100% renewables by 2050: Not fiction, but much needed impetus for developing economies to leapfrog into a sustainable future. <i>Energy</i> , 2022, 246, 123419.	4.5	39
14	Pathway to a fully sustainable energy system for Bolivia across power, heat, and transport sectors by 2050. <i>Journal of Cleaner Production</i> , 2021, 293, 126195.	4.6	33
15	Renewable energy in Pakistan: Paving the way towards a fully renewables-based energy system across the power, heat, transport and desalination sectors by 2050. <i>IET Renewable Power Generation</i> , 2022, 16, 177-197.	1.7	24
16	Impact of Battery and Water Storage on the Transition to an Integrated 100% Renewable Energy Power System for Saudi Arabia. <i>Energy Procedia</i> , 2017, 135, 126-142.	1.8	21
17	Irrigation efficiency and renewable energy powered desalination as key components of Pakistan's water management strategy. <i>Smart Energy</i> , 2021, 4, 100052.	2.6	16
18	Material extraction potential of desalination brines: A technical and economic evaluation of brines as a possible new material source. <i>Minerals Engineering</i> , 2022, 185, 107652.	1.8	7

#	ARTICLE	IF	CITATIONS
19	Desalination Costs Using Renewable Energy Technologies. , 2018, , 287-329.		3