

# Sonya Calnan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6360913/publications.pdf>

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14  
papers

723  
citations

933447

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1199594

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14  
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14  
docs citations

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times ranked

989  
citing authors

#	ARTICLE	IF	CITATIONS
1	High mobility transparent conducting oxides for thin film solar cells. Thin Solid Films, 2010, 518, 1839-1849.	1.8	393
2	Understanding the Hydrogen Evolution Reaction Kinetics of Electrodeposited Nickel-Molybdenum in Acidic, Near-Neutral, and Alkaline Conditions. ChemElectroChem, 2021, 8, 195-208.	3.4	100
3	Applications of Oxide Coatings in Photovoltaic Devices. Coatings, 2014, 4, 162-202.	2.6	47
4	Solar hydrogen production: a bottom-up analysis of different photovoltaic electrolysis pathways. Sustainable Energy and Fuels, 2019, 3, 801-813.	4.9	39
5	Development of Nano-TiO <sub>2</sub> dye sensitised solar cells on high mobility transparent conducting oxide thin films. Progress in Photovoltaics: Research and Applications, 2009, 17, 265-272.	8.1	32
6	Application of high mobility transparent conductors to enhance long wavelength transparency of the intermediate solar cell in multi-junction solar cells. Thin Solid Films, 2009, 517, 2340-2343.	1.8	31
7	A techno-economic perspective on solar-to-hydrogen concepts through 2025. Sustainable Energy and Fuels, 2020, 4, 5818-5834.	4.9	27
8	Development of Various Photovoltaic-Driven Water Electrolysis Technologies for Green Solar Hydrogen Generation. Solar Rrl, 2022, 6, 2100479.	5.8	21
9	Effect of the ambient conditions on the operation of a large-area integrated photovoltaic-electrolyser. Sustainable Energy and Fuels, 2020, 4, 4831-4847.	4.9	14
10	The climatic response of thermally integrated photovoltaic electrolysis water splitting using Si and CIGS combined with acidic and alkaline electrolysis. Sustainable Energy and Fuels, 2020, 4, 6011-6022.	4.9	13
11	Optical characterisation of silicon nitride thin films grown by novel remote plasma sputter deposition. Journal of Materials Science: Materials in Electronics, 2008, 19, 285-288.	2.2	3
12	Prospects for Hermetic Sealing of Scaled-Up Photoelectrochemical Hydrogen Generators for Reliable and Risk Free Operation. Energies, 2019, 12, 4176.	3.1	3
13	Sustainable Hydrogen Production Using Water By a Photovoltaic Integrated Electrolyser with Active Area Exceeding 100 cm <sup>2</sup> . ECS Meeting Abstracts, 2019, , .	0.0	0
14	Effect of Heat Exchanger on the Operation of a Directly Coupled Photovoltaic-Electrolyser. ECS Meeting Abstracts, 2022, MA2022-01, 1558-1558.	0.0	0