

# Nishant Narayan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3129945/publications.pdf>

Version: 2024-02-01

17  
papers

424  
citations

933447

10  
h-index

1372567

10  
g-index

18  
all docs

18  
docs citations

18  
times ranked

498  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stochastic load profile construction for the multi-tier framework for household electricity access using off-grid DC appliances. <i>Energy Efficiency</i> , 2020, 13, 197-215.	2.8	35
2	The Long Road to Universal Electrification: A Critical Look at Present Pathways and Challenges. <i>Energies</i> , 2020, 13, 508.	3.1	12
3	Selecting a suitable battery technology for the photovoltaic battery integrated module. <i>Journal of Power Sources</i> , 2019, 438, 227011.	7.8	33
4	Exploring the boundaries of Solar Home Systems (SHS) for off-grid electrification: Optimal SHS sizing for the multi-tier framework for household electricity access. <i>Applied Energy</i> , 2019, 240, 907-917.	10.1	40
5	Quantifying the Benefits of a Solar Home System-Based DC Microgrid for Rural Electrification. <i>Energies</i> , 2019, 12, 938.	3.1	20
6	Integrating a photovoltaic storage system in one device: A critical review. <i>Progress in Photovoltaics: Research and Applications</i> , 2019, 27, 346-370.	8.1	81
7	Harvesting Roadway Solar Energyâ€™Performance of the Installed Infrastructure Integrated PV Bike Path. <i>IEEE Journal of Photovoltaics</i> , 2018, 8, 1066-1073.	2.5	50
8	Testing a PV-battery Integrated Module Prototype. , 2018, , .		2
9	Energy Management System for the Photovoltaic Battery Integrated Module. <i>Energies</i> , 2018, 11, 3371.	3.1	11
10	Constructing Accurate Equivalent Electrical Circuit Models of Lithium Iron Phosphate and Leadâ€™Acid Battery Cells for Solar Home System Applications. <i>Energies</i> , 2018, 11, 2305.	3.1	24
11	A modeling methodology to evaluate the impact of temperature on Solar Home Systems for rural electrification. , 2018, , .		5
12	PV-battery integrated module as a solution for off-grid applications in the developing world. , 2018, , .		11
13	Estimating battery lifetimes in Solar Home System design using a practical modelling methodology. <i>Applied Energy</i> , 2018, 228, 1629-1639.	10.1	69
14	Understanding the present and the future electricity needs: Consequences for design of future Solar Home Systems for off-grid rural electrification. , 2017, , .		10
15	A simple methodology for estimating battery lifetimes in Solar Home System design. , 2017, , .		7
16	Developing for developing nations: Exploring an affordable solar home system design. , 2016, , .		8
17	Comparison of PV-battery architectures for residential applications. , 2016, , .		6