

# Hemant Kumar Singh

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3171135/publications.pdf>

Version: 2024-02-01

20  
papers

106  
citations

1684188

5  
h-index

1474206

9  
g-index

22  
all docs

22  
docs citations

22  
times ranked

145  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of Field Degradation Rates Observed in All-India Survey of Photovoltaic Module Reliability 2018. IEEE Journal of Photovoltaics, 2020, 10, 560-567.	2.5	29
2	Correlating Infrared Thermography With Electrical Degradation of PV Modules Inspected in All-India Survey of Photovoltaic Module Reliability 2016. IEEE Journal of Photovoltaics, 2018, 8, 1800-1808.	2.5	27
3	Anti-reflection and Light Trapping in c-Si Solar Cells. Green Energy and Technology, 2017, , .	0.6	16
4	Broadband Reflection Minimization Using Silver Ultra Thin Film Sandwiched Between Silicon Nitride Layers for c-Si Solar Cell Application. Plasmonics, 2014, 9, 1409-1416.	3.4	9
5	Opto-Electrical Performance Improvement of Mono c-Si Solar Cells Using Dielectric-Metal-Dielectric (D-M-D) Sandwiched Structure-Based Plasmonic Anti-Reflector. Plasmonics, 2016, 11, 323-336.	3.4	8
6	c-Si Solar Cells: Physics and Technology. Green Energy and Technology, 2017, , 17-42.	0.6	5
7	Investigation of Accuracy of various STC Correction Procedures for I-V Characteristics of PV Modules Measured at Different Temperature and Irradiances. , 2019, , .		4
8	Investigation on silver nanoparticles-based plasmonic antireflection and its impact on electrical performance of mono c-Si solar cells. , 2014, , .		3
9	D-M-D Plasmonic Anti-Reflector for Next-Generation Thin c-Si Solar Cell Applications. Plasmonics, 2018, 13, 705-714.	3.4	2
10	Investigation of Poor Performing PV Modules Observed in All-India Survey of PV Module Reliability 2016. , 2018, , .		1
11	Principle of Texturization for Enhanced Light Trapping. Green Energy and Technology, 2017, , 65-82.	0.6	1
12	Solar Cells Overview and Perspective to Light-Trapping Schemes. Green Energy and Technology, 2017, , 1-16.	0.6	0
13	Plasmonic-Based Advanced Anti-reflection and Light Trapping: Principles and Technology. Green Energy and Technology, 2017, , 127-155.	0.6	0
14	Correlating the Hot Spots and Power Degradation seen in crystalline silicon modules in All India Survey of PV Module Reliability 2018. , 2019, , .		0
15	Electroluminescence Study of over 700 Fielded PV Modules in All India Survey 2018. , 2019, , .		0
16	Future Scope in Advanced Lighting Trapping Structure Development. Green Energy and Technology, 2017, , 177-186.	0.6	0
17	Anti-reflection Coatings with Textured Surface for c-Si Solar Cells. Green Energy and Technology, 2017, , 99-114.	0.6	0
18	Texturing Process of c-Si Wafers. Green Energy and Technology, 2017, , 83-97.	0.6	0

#	ARTICLE	IF	CITATIONS
19	Plasmonic-Based Light Trapping for c-Si Solar Cell Applications. Green Energy and Technology, 2017, , 157-176.	0.6	0
20	Role of Cloud Movement in Generation of Anomalous Data in SCADA Systems of PV Power Plants. , 2020, , .		0