Dmitry Bogachuk

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8315161/publications.pdf

Version: 2024-02-01

18	527	840776 11	1199594 12
papers	citations	h-index	g-index

19	19	19	425
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Perovskite Photovoltaic Devices with Carbonâ€Based Electrodes Withstanding Reverseâ€Bias Voltages up to â€“9â€‰V and Surpassing IEC 61215:2016 International Standard. Solar Rrl, 2022, 6, 2100527.	5.8	35
2	Perovskite Solar Cells with Carbonâ€Based Electrodes â€“ Quantification of Losses and Strategies to Overcome Them. Advanced Energy Materials, 2022, 12, .	19.5	29
3	Fill Factor Assessment in Hole Selective Layer Free Carbon Electrodeâ€Based Perovskite Solar Cells with 15.5% Certified Power Conversion Efficiency. Solar Rrl, 2022, 6, .	5.8	14
4	Employing 2Dâ€Perovskite as an Electron Blocking Layer in Highly Efficient (18.5%) Perovskite Solar Cells with Printable Low Temperature Carbon Electrode. Advanced Energy Materials, 2022, 12, .	19.5	60
5	A 2D Model for Interfacial Recombination in Mesoscopic Perovskite Solar Cells with Printed Back Contact. Solar Rrl, 2021, 5, 2000595.	5.8	19
6	Comparison of highly conductive natural and synthetic graphites for electrodes in perovskite solar cells. Carbon, 2021, 178, 10-18.	10.3	33
7	Interfacial Passivation Engineering of Perovskite Solar Cells with Fill Factor over 82% and Outstanding Operational Stability on n-i-p Architecture. ACS Energy Letters, 2021, 6, 3916-3923.	17.4	115
8	Low-temperature carbon-based electrodes in perovskite solar cells. Energy and Environmental Science, 2020, 13, 3880-3916.	30.8	149
9	Function of Porous Carbon Electrode during the Fabrication of Multiporous-Layered-Electrode Perovskite Solar Cells. Photonics, 2020, 7, 133.	2.0	11
10	Double-Mesoscopic Hole-Transport-Material-Free Perovskite Solar Cells: Overcoming Charge-Transport Limitation by Sputtered Ultrathin Al₂O₃ Isolating Layer. ACS Applied Nano Materials, 2020, 3, 2463-2471.	5.0	23
11	The nature of the methylamineâ€“MAPbI₃ complex: fundamentals of gas-induced perovskite liquefaction and crystallization. Journal of Materials Chemistry A, 2020, 8, 9788-9796.	10.3	28
12	Activation of Weak Monochromic Photocurrents by White Light Irradiation for Accurate IPCE Measurements of Carbon-Based Multi-Porous-Layered-Electrode Perovskite Solar Cells. Electrochemistry, 2020, 88, 418-422.	1.4	9
13	Towards a Sustainable Energy Future: Fully Printable Carbon-Based Perovskite Solar Cells with Overcome Charge Transport Limitation and Improved Light-Harvesting Efficiency. , 0, , .		0
14	Stable, cost-effective, sustainable and recyclable perovskite photovoltaics using carbon-based electrodes. , 0, , .		0
15	Low Dimentional 2D Perovskite As An Effective Electron Blocking Layer In Efficient (18.5%) And Stable Hole-Selective Layer-Free Carbon Electrode Based Perovskite Solar Cells. , 0, , .		0
16	How to make perovskite photovoltaic devices stable under reverse bias. , 0, , .		0
17	Electron Blocking 2D Perovskite In Highly Efficient (18.5%) Hole-Selective Layer-Free Perovskite Solar Cells Using Low-Temperature Processed Carbon Electrode. , 0, , .		0
18	A novel recycling method for encapsulated perovskite mesoscopic photovoltaic devices with minimal performance loss. , 0, , .		1