

Gaute Otnes

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

562
citations

840776

11
h-index

677142

22
g-index

26
all docs

26
docs citations

26
times ranked

723
citing authors

#	ARTICLE	IF	CITATIONS
1	The performance and amphibious operation potential of a new floating photovoltaic technology. Solar Energy, 2022, 239, 242-251.	6.1	11
2	Operando Surface Characterization of InP Nanowire p-n Junctions. Nano Letters, 2020, 20, 887-895.	9.1	13
3	Photovoltaic nanowires affect human lung cell proliferation under illumination conditions. Nanoscale, 2020, 12, 14237-14244.	5.6	2
4	Unravelling processing issues of nanowire-based solar cell arrays by use of electron beam induced current measurements. Nano Energy, 2020, 71, 104575.	16.0	13
5	Nanowire Solar Cells: A New Radiation Hard PV Technology for Space Applications. IEEE Journal of Photovoltaics, 2020, 10, 502-507.	2.5	15
6	Irradiation Experiments on High Efficiency Nanowire Solar Cells Including Tilted Incidence Angle. , 2020, , .		0
7	Combining Nanofocused X-Rays with Electrical Measurements at the NanoMAX Beamline. Crystals, 2019, 9, 432.	2.2	11
8	Radiation Tolerant Nanowire Array Solar Cells. ACS Nano, 2019, 13, 12860-12869.	14.6	27
9	Culturing and patch clamping of Jurkat T cells and neurons on Al ₂ O ₃ coated nanowire arrays of altered morphology. RSC Advances, 2019, 9, 11194-11201.	3.6	9
10	Nanoprobe-Enabled Electron Beam Induced Current Measurements on III-V Nanowire-Based Solar Cells. , 2019, , .		1
11	Nanoscale mapping of carrier collection in single nanowire solar cells using X-ray beam induced current. Journal of Synchrotron Radiation, 2019, 26, 102-108.	2.4	12
12	Understanding InP Nanowire Array Solar Cell Performance by Nanoprobe-Enabled Single Nanowire Measurements. Nano Letters, 2018, 18, 3038-3046.	9.1	69
13	Electrical and optical evaluation of n-type doping in In _x Ga _(1-x) P nanowires. Nanotechnology, 2018, 29, 255701.	2.6	7
14	InP/GaInP nanowire tunnel diodes. Nano Research, 2018, 11, 2523-2531.	10.4	26
15	Nanobeam X-ray Fluorescence Dopant Mapping Reveals Dynamics of in Situ Zn-Doping in Nanowires. Nano Letters, 2018, 18, 6461-6468.	9.1	19
16	Absorption and transmission of light in III-V nanowire arrays for tandem solar cell applications. Nanotechnology, 2017, 28, 205203.	2.6	34
17	Towards high efficiency nanowire solar cells. Nano Today, 2017, 12, 31-45.	11.9	153
18	In _x Ga _{1-x} P Nanowire Growth Dynamics Strongly Affected by Doping Using Diethylzinc. Nano Letters, 2017, 17, 702-707.	9.1	28

#	ARTICLE	IF	CITATIONS
19	Time-resolved photoluminescence characterization of GaAs nanowire arrays on native substrate. Nanotechnology, 2017, 28, 505706.	2.6	7
20	Simplifying Nanowire Hall Effect Characterization by Using a Three-Probe Device Design. Nano Letters, 2017, 17, 1121-1126.	9.1	7
21	GaAsP Nanowire Solar Cell Development Towards Nanowire/Si Tandem Applications. , 2017, , .		0
22	Growth and optimization of GaInP/InP nanowire tunnel diode. , 2017, , .		1
23	Strategies to obtain pattern fidelity in nanowire growth from large-area surfaces patterned using nanoimprint lithography. Nano Research, 2016, 9, 2852-2861.	10.4	56
24	InP nanowire p-type doping via Zinc indiffusion. Journal of Crystal Growth, 2016, 451, 18-26.	1.5	5
25	Comparing Hall Effect and Field Effect Measurements on the Same Single Nanowire. Nano Letters, 2016, 16, 205-211.	9.1	35