

Gaute Otnes

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4426674/publications.pdf>

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	Towards high efficiency nanowire solar cells. Nano Today, 2017, 12, 31-45.	11.9	153
2	Understanding InP Nanowire Array Solar Cell Performance by Nanoprobe-Enabled Single Nanowire Measurements. Nano Letters, 2018, 18, 3038-3046.	9.1	69
3	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
4	Comparing Hall Effect and Field Effect Measurements on the Same Single Nanowire. Nano Letters, 2016, 16, 205-211.	9.1	35
5	Absorption and transmission of light in III-V nanowire arrays for tandem solar cell applications. Nanotechnology, 2017, 28, 205203.	2.6	34
6	In _x Ga _{1-x} P Nanowire Growth Dynamics Strongly Affected by Doping Using Diethylzinc. Nano Letters, 2017, 17, 702-707.	9.1	28
7	Radiation Tolerant Nanowire Array Solar Cells. ACS Nano, 2019, 13, 12860-12869.	14.6	27
8	InP/GaN nanowire tunnel diodes. Nano Research, 2018, 11, 2523-2531.	10.4	26
9	Nanobeam X-ray Fluorescence Dopant Mapping Reveals Dynamics of in Situ Zn-Doping in Nanowires. Nano Letters, 2018, 18, 6461-6468.	9.1	19
10	Nanowire Solar Cells: A New Radiation Hard PV Technology for Space Applications. IEEE Journal of Photovoltaics, 2020, 10, 502-507.	2.5	15
11	Operando Surface Characterization of InP Nanowire p-n Junctions. Nano Letters, 2020, 20, 887-895.	9.1	13
12	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
13	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
14	Combining Nanofocused X-Rays with Electrical Measurements at the NanoMAX Beamline. Crystals, 2019, 9, 432.	2.2	11
15	The performance and amphibious operation potential of a new floating photovoltaic technology. Solar Energy, 2022, 239, 242-251.	6.1	11
16	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
17	Time-resolved photoluminescence characterization of GaAs nanowire arrays on native substrate. Nanotechnology, 2017, 28, 505706.	2.6	7
18	Simplifying Nanowire Hall Effect Characterization by Using a Three-Probe Device Design. Nano Letters, 2017, 17, 1121-1126.	9.1	7

#	ARTICLE	IF	CITATIONS
19	Electrical and optical evaluation of <i>n</i> -type doping in $\text{In}_{1-x}\text{Ga}_x\text{P}$ nanowires. Nanotechnology, 2018, 29, 255701.	2.6	7
20	InP nanowire p-type doping via Zinc indiffusion. Journal of Crystal Growth, 2016, 451, 18-26.	1.5	5
21	Photovoltaic nanowires affect human lung cell proliferation under illumination conditions. Nanoscale, 2020, 12, 14237-14244.	5.6	2
22	Growth and optimization of GaInP/InP nanowire tunnel diode. , 2017, , .		1
23	Nanoprobe-Enabled Electron Beam Induced Current Measurements on III-V Nanowire-Based Solar Cells. , 2019, , .		1
24	GaAsP Nanowire Solar Cell Development Towards Nanowire/Si Tandem Applications. , 2017, , .		0
25	Irradiation Experiments on High Efficiency Nanowire Solar Cells Including Tilted Incidence Angle. , 2020, , .		0