

Emmett E Perl

List of Publications by Year in descending order

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16
papers

423
citations

1040056

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1281871

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g-index

16
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docs citations

16
times ranked

613
citing authors

#	ARTICLE	IF	CITATIONS
1	Building a Six-Junction Inverted Metamorphic Concentrator Solar Cell. IEEE Journal of Photovoltaics, 2018, 8, 626-632.	2.5	148
2	Development of High-Bandgap AlGaInP Solar Cells Grown by Organometallic Vapor-Phase Epitaxy. IEEE Journal of Photovoltaics, 2016, 6, 770-776.	2.5	48
3	High-efficiency inverted metamorphic 1.7/1.1 eV GaInAsP/GaInAs dual-junction solar cells. Applied Physics Letters, 2018, 112, .	3.3	47
4	15.3%-Efficient GaAsP Solar Cells on GaP/Si Templates. ACS Energy Letters, 2017, 2, 1911-1918.	17.4	44
5	Measurements and Modeling of III-V Solar Cells at High Temperatures up to 400 $^{\circ}$C. IEEE Journal of Photovoltaics, 2016, 6, 1345-1352.	2.5	40
6	Ultrabroadband and Wide-Angle Hybrid Antireflection Coatings With Nanostructures. IEEE Journal of Photovoltaics, 2014, 4, 962-967.	2.5	23
7	(Al)GaInP/GaAs Tandem Solar Cells for Power Conversion at Elevated Temperature and High Concentration. IEEE Journal of Photovoltaics, 2018, 8, 640-645.	2.5	17
8	Pathway to 50% efficient inverted metamorphic concentrator solar cells. AIP Conference Proceedings, 2017, , .	0.4	15
9	Two-terminal metal-interconnected multijunction III-V solar cells. Progress in Photovoltaics: Research and Applications, 2015, 23, 593-599.	8.1	13
10	Development of a 2.0 eV AlGaInP solar cell grown by OMVPE. , 2015, , .		11
11	AlGaInP/GaAs tandem solar cells for power conversion at 400$^{\circ}$C and high concentration. AIP Conference Proceedings, 2017, , .	0.4	8
12	Reverse Heterojunction (Al)GaInP Solar Cells for Improved Efficiency at Concentration. IEEE Journal of Photovoltaics, 2020, 10, 487-494.	2.5	8
13	Notice of Removal Measurements and modeling of III-V solar cells at high temperatures up to 400$^{\circ}$C. , 2017, , .		1
14	Spectral and Concentration Sensitivity of Multijunction Solar Cells at High Temperature. , 2017, , .		0
15	AlGaInP/GaAs Tandem Solar Cells for Power Conversion at 400$^{\circ}$C and 1000X Concentration. , 2017, , .		0
16	Development of Solar Cells with Trapezoidal Grid Fingers. , 2019, , .		0