Avi Braun

List of Publications by Year
in descending order

16	573	759233 12	1058476 14
papers	citations	h-index	g-index

16	16	16	898
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hybrid photovoltaic-thermoelectric system for concentrated solar energy conversion: Experimental realization and modeling. Journal of Applied Physics, 2015, 118, .	2.5	121
2	Surface Energyâ€Controlled SERS Substrates for Molecular Concentration at Plasmonic Nanogaps. Advanced Functional Materials, 2017, 27, 1703376.	14.9	84
3	Temperature dynamics of multijunction concentrator solar cells up to ultraâ€high irradiance. Progress in Photovoltaics: Research and Applications, 2013, 21, 202-208.	8.1	57
4	Photovoltaic performance enhancement by external recycling of photon emission. Energy and Environmental Science, 2013, 6, 1499.	30.8	53
5	Versatile Direct Laser Writing Lithography Technique for Surface Enhanced Infrared Spectroscopy Sensors. ACS Sensors, 2016, 1, 1155-1162.	7.8	45
6	Localized irradiation effects on tunnel diode transitions in multi-junction concentrator solar cells. Solar Energy Materials and Solar Cells, 2009, 93, 1692-1695.	6.2	42
7	Basic aspects of the temperature coefficients of concentrator solar cell performance parameters. Progress in Photovoltaics: Research and Applications, 2013, 21, 1087-1094.	8.1	40
8	Hollow Core Light Cage: Trapping Light Behind Bars. ACS Photonics, 2019, 6, 649-658.	6.6	31
9	Current-limiting behavior in multijunction solar cells. Applied Physics Letters, 2011, 98, .	3.3	27
10	Multiple-bandgap vertical-junction architectures for ultra-efficient concentrator solar cells. Energy and Environmental Science, 2012, 5, 8523.	30.8	24
11	Ventilation of multi-entranced rodent burrows by boundary layer eddies. Journal of Experimental Biology, 2014, 217, 4141-4148.	1.7	16
12	Bianisotropy and Magnetism in Plasmonic Gratings. ACS Photonics, 2016, 3, 764-769.	6.6	14
13	Nanoparticle Scattering for Multijunction Solar Cells: The Tradeoff Between Absorption Enhancement and Transmission Loss. IEEE Journal of Photovoltaics, 2016, 6, 1678-1687.	2.5	12
14	Analytic solution for quasi-Lambertian radiation transfer. Applied Optics, 2010, 49, 817.	2.1	5
15	Temperature coefficients of concentrator solar cells up to ultra-high irradiance. , 2012, , .		2
16	Irradiance-dependent current-limiting behavior of multijunction solar cells. , 2012, , .		0