Illan J Kramer

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7706042/publications.pdf

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24 papers	4,503 citations	331670 21 h-index	610901 24 g-index
25 all docs	25 docs citations	25 times ranked	5282 citing authors

#	Article	IF	Citations
1	Hybrid passivated colloidal quantum dot solids. Nature Nanotechnology, 2012, 7, 577-582.	31.5	1,100
2	Depleted-Heterojunction Colloidal Quantum Dot Solar Cells. ACS Nano, 2010, 4, 3374-3380.	14.6	781
3	The Architecture of Colloidal Quantum Dot Solar Cells: Materials to Devices. Chemical Reviews, 2014, 114, 863-882.	47.7	444
4	Tandem colloidal quantum dot solar cells employing a graded recombination layer. Nature Photonics, 2011, 5, 480-484.	31.4	367
5	Colloidal Quantum Dot Photovoltaics: A Path Forward. ACS Nano, 2011, 5, 8506-8514.	14.6	327
6	Depleted Bulk Heterojunction Colloidal Quantum Dot Photovoltaics. Advanced Materials, 2011, 23, 3134-3138.	21.0	206
7	Efficient Sprayâ€Coated Colloidal Quantum Dot Solar Cells. Advanced Materials, 2015, 27, 116-121.	21.0	139
8	Ordered Nanopillar Structured Electrodes for Depleted Bulk Heterojunction Colloidal Quantum Dot Solar Cells. Advanced Materials, 2012, 24, 2315-2319.	21.0	124
9	Solar Cells Using Quantum Funnels. Nano Letters, 2011, 11, 3701-3706.	9.1	121
10	Interface Recombination in Depleted Heterojunction Photovoltaics based on Colloidal Quantum Dots. Advanced Energy Materials, 2013, 3, 917-922.	19.5	117
11	Colloidal Quantum Dot Photovoltaics: The Effect of Polydispersity. Nano Letters, 2012, 12, 1007-1012.	9.1	104
12	Electron Acceptor Materials Engineering in Colloidal Quantum Dot Solar Cells. Advanced Materials, 2011, 23, 3832-3837.	21.0	102
13	Selfâ€Assembled, Nanowire Network Electrodes for Depleted Bulk Heterojunction Solar Cells. Advanced Materials, 2013, 25, 1769-1773.	21.0	102
14	Infrared Colloidal Quantum Dot Photovoltaics via Coupling Enhancement and Agglomeration Suppression. ACS Nano, 2015, 9, 8833-8842.	14.6	96
15	Photojunction Field-Effect Transistor Based on a Colloidal Quantum Dot Absorber Channel Layer. ACS Nano, 2015, 9, 356-362.	14.6	73
16	Colloidal quantum dot solar cells on curved and flexible substrates. Applied Physics Letters, 2014, 105, .	3.3	65
17	The Silicon:Colloidal Quantum Dot Heterojunction. Advanced Materials, 2015, 27, 7445-7450.	21.0	55
18	Systematic optimization of quantum junction colloidal quantum dot solar cells. Applied Physics Letters, 2012, 101, 151112.	3.3	52

#	Article	IF	Citations
19	Depleted-heterojunction colloidal quantum dot photovoltaics employing low-cost electrical contacts. Applied Physics Letters, 2010, 97, 023109.	3.3	39
20	Electronically Active Impurities in Colloidal Quantum Dot Solids. ACS Nano, 2014, 8, 11763-11769.	14.6	32
21	Dead zones in colloidal quantum dot photovoltaics: evidence and implications. Optics Express, 2010, 18, A451.	3.4	22
22	Folded-Light-Path Colloidal Quantum Dot Solar Cells. Scientific Reports, 2013, 3, 2166.	3.3	21
23	Self-Assembled, Nanowire Network Electrodes for Depleted Bulk Heterojunction Solar Cells (Adv.) Tj ETQq1 1 0.784314 rgBT /Overloc	21.0	5
24	Depleted-Heterojunction Colloidal Quantum Dot Solar Cells Employing Low-Cost Metal Contacts. , 2010, , .		1