

Illan J Kramer

List of Publications by Year in descending order

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Version: 2024-02-01

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	The Silicon:Colloidal Quantum Dot Heterojunction. <i>Advanced Materials</i> , 2015, 27, 7445-7450.	21.0	55
2	Photojunction Field-Effect Transistor Based on a Colloidal Quantum Dot Absorber Channel Layer. <i>ACS Nano</i> , 2015, 9, 356-362.	14.6	73
3	Infrared Colloidal Quantum Dot Photovoltaics via Coupling Enhancement and Agglomeration Suppression. <i>ACS Nano</i> , 2015, 9, 8833-8842.	14.6	96
4	Efficient Spray-Coated Colloidal Quantum Dot Solar Cells. <i>Advanced Materials</i> , 2015, 27, 116-121.	21.0	139
5	Colloidal quantum dot solar cells on curved and flexible substrates. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	65
6	The Architecture of Colloidal Quantum Dot Solar Cells: Materials to Devices. <i>Chemical Reviews</i> , 2014, 114, 863-882.	47.7	444
7	Electronically Active Impurities in Colloidal Quantum Dot Solids. <i>ACS Nano</i> , 2014, 8, 11763-11769.	14.6	32
8	Folded-Light-Path Colloidal Quantum Dot Solar Cells. <i>Scientific Reports</i> , 2013, 3, 2166.	3.3	21
9	Self-Assembled, Nanowire Network Electrodes for Depleted Bulk Heterojunction Solar Cells. <i>Advanced Materials</i> , 2013, 25, 1769-1773.	21.0	102
10	Self-Assembled, Nanowire Network Electrodes for Depleted Bulk Heterojunction Solar Cells (Adv.) <i>Tj ETQq0 0 0 rgBT /Overlock 5 10 Tf 50</i>	21.0	5
11	Interface Recombination in Depleted Heterojunction Photovoltaics based on Colloidal Quantum Dots. <i>Advanced Energy Materials</i> , 2013, 3, 917-922.	19.5	117
12	Systematic optimization of quantum junction colloidal quantum dot solar cells. <i>Applied Physics Letters</i> , 2012, 101, 151112.	3.3	52
13	Hybrid passivated colloidal quantum dot solids. <i>Nature Nanotechnology</i> , 2012, 7, 577-582.	31.5	1,100
14	Colloidal Quantum Dot Photovoltaics: The Effect of Polydispersity. <i>Nano Letters</i> , 2012, 12, 1007-1012.	9.1	104
15	Ordered Nanopillar Structured Electrodes for Depleted Bulk Heterojunction Colloidal Quantum Dot Solar Cells. <i>Advanced Materials</i> , 2012, 24, 2315-2319.	21.0	124
16	Solar Cells Using Quantum Funnel. <i>Nano Letters</i> , 2011, 11, 3701-3706.	9.1	121
17	Colloidal Quantum Dot Photovoltaics: A Path Forward. <i>ACS Nano</i> , 2011, 5, 8506-8514.	14.6	327
18	Tandem colloidal quantum dot solar cells employing a graded recombination layer. <i>Nature Photonics</i> , 2011, 5, 480-484.	31.4	367

#	ARTICLE	IF	CITATIONS
19	Depleted Bulk Heterojunction Colloidal Quantum Dot Photovoltaics. <i>Advanced Materials</i> , 2011, 23, 3134-3138.	21.0	206
20	Electron Acceptor Materials Engineering in Colloidal Quantum Dot Solar Cells. <i>Advanced Materials</i> , 2011, 23, 3832-3837.	21.0	102
21	Depleted-heterojunction colloidal quantum dot photovoltaics employing low-cost electrical contacts. <i>Applied Physics Letters</i> , 2010, 97, 023109.	3.3	39
22	Dead zones in colloidal quantum dot photovoltaics: evidence and implications. <i>Optics Express</i> , 2010, 18, A451.	3.4	22
23	Depleted-Heterojunction Colloidal Quantum Dot Solar Cells. <i>ACS Nano</i> , 2010, 4, 3374-3380.	14.6	781
24	Depleted-Heterojunction Colloidal Quantum Dot Solar Cells Employing Low-Cost Metal Contacts. , 2010, , .		1