

# Randy J Ellingson

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/2165004/andy-j-ellingson-publications-by-citations.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

119  
papers

9,823  
citations

39  
h-index

98  
g-index

138  
ext. papers

11,007  
ext. citations

9.6  
avg, IF

5.91  
L-index

#	Paper	IF	Citations
119	Highly efficient multiple exciton generation in colloidal PbSe and PbS quantum dots. <i>Nano Letters</i> , <b>2005</b> , 5, 865-71	11.5	1425
118	Schottky solar cells based on colloidal nanocrystal films. <i>Nano Letters</i> , <b>2008</b> , 8, 3488-92	11.5	824
117	Multiple exciton generation in colloidal silicon nanocrystals. <i>Nano Letters</i> , <b>2007</b> , 7, 2506-12	11.5	710
116	PbTe colloidal nanocrystals: synthesis, characterization, and multiple exciton generation. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 3241-7	16.4	605
115	Low-bandgap mixed tin/lead iodide perovskite absorbers with long carrier lifetimes for all-perovskite tandem solar cells. <i>Nature Energy</i> , <b>2017</b> , 2,	62.3	515
114	Femtosecond IR Study of Excited-State Relaxation and Electron-Injection Dynamics of Ru(dcbpy) <sub>2</sub> (NCS) <sub>2</sub> in Solution and on Nanocrystalline TiO <sub>2</sub> and Al <sub>2</sub> O <sub>3</sub> Thin Films. <i>Journal of Physical Chemistry B</i> , <b>1999</b> , 103, 3110-3119	3.4	353
113	Photoenhancement of Luminescence in Colloidal CdSe Quantum Dot Solutions. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 11346-11352	3.4	300
112	Fabrication of Efficient Low-Bandgap Perovskite Solar Cells by Combining Formamidinium Tin Iodide with Methylammonium Lead Iodide. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 12360-3	16.4	298
111	Energy payback time (EPBT) and energy return on energy invested (EROI) of solar photovoltaic systems: A systematic review and meta-analysis. <i>Renewable and Sustainable Energy Reviews</i> , <b>2015</b> , 47, 133-141	16.2	270
110	Dynamics of Electron Injection in Nanocrystalline Titanium Dioxide Films Sensitized with [Ru(4,4'-dicarboxy-2,2'-bipyridine) <sub>2</sub> (NCS) <sub>2</sub> ] by Infrared Transient Absorption. <i>Journal of Physical Chemistry B</i> , <b>1998</b> , 102, 6455-6458	3.4	260
109	Quantum dot size dependent J-V characteristics in heterojunction ZnO/PbS quantum dot solar cells. <i>Nano Letters</i> , <b>2011</b> , 11, 1002-8	11.5	249
108	n-Type transition metal oxide as a hole extraction layer in PbS quantum dot solar cells. <i>Nano Letters</i> , <b>2011</b> , 11, 3263-6	11.5	230
107	Multiple exciton generation in films of electronically coupled PbSe quantum dots. <i>Nano Letters</i> , <b>2007</b> , 7, 1779-84	11.5	213
106	Variations in the quantum efficiency of multiple exciton generation for a series of chemically treated PbSe nanocrystal films. <i>Nano Letters</i> , <b>2009</b> , 9, 836-45	11.5	201
105	Impact of Processing Temperature and Composition on the Formation of Methylammonium Lead Iodide Perovskites. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 4612-4619	9.6	184
104	Low-temperature plasma-enhanced atomic layer deposition of tin oxide electron selective layers for highly efficient planar perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 12080-12087	13	175
103	Reducing Saturation-Current Density to Realize High-Efficiency Low-Bandgap Mixed Tin/Lead Halide Perovskite Solar Cells. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1803135	21.8	162

102	Improving the Performance of Formamidinium and Cesium Lead Triiodide Perovskite Solar Cells using Lead Thiocyanate Additives. <i>ChemSusChem</i> , <b>2016</b> , 9, 3288-3297	8.3	143
101	Synergistic Effects of Lead Thiocyanate Additive and Solvent Annealing on the Performance of Wide-Bandgap Perovskite Solar Cells. <i>ACS Energy Letters</i> , <b>2017</b> , 2, 1177-1182	20.1	142
100	Compositional and morphological engineering of mixed cation perovskite films for highly efficient planar and flexible solar cells with reduced hysteresis. <i>Nano Energy</i> , <b>2017</b> , 35, 223-232	17.1	138
99	Photoinduced charge carrier generation in a poly(3-hexylthiophene) and methanofullerene bulk heterojunction investigated by time-resolved terahertz spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 25462-71	3.4	130
98	Absorption cross-section and related optical properties of colloidal InAs quantum dots. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 7084-7	3.4	127
97	Achieving a high open-circuit voltage in inverted wide-bandgap perovskite solar cells with a graded perovskite homojunction. <i>Nano Energy</i> , <b>2019</b> , 61, 141-147	17.1	97
96	Oxygenated CdS Buffer Layers Enabling High Open-Circuit Voltages in Earth-Abundant Cu <sub>2</sub> BaSnS <sub>4</sub> Thin-Film Solar Cells. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1601803	21.8	83
95	Dithieno[3,2-b:2',3'-d]pyrrol-Cored Hole Transport Material Enabling Over 21% Efficiency Dopant-Free Perovskite Solar Cells. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1904300	15.6	80
94	Electron Relaxation in Colloidal InP Quantum Dots with Photogenerated Excitons or Chemically Injected Electrons. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 102-109	3.4	80
93	Low-bandgap mixed tin/lead iodide perovskites with reduced methylammonium for simultaneous enhancement of solar cell efficiency and stability. <i>Nature Energy</i> , <b>2020</b> , 5, 768-776	62.3	80
92	One-step facile synthesis of a simple carbazole-cored hole transport material for high-performance perovskite solar cells. <i>Nano Energy</i> , <b>2017</b> , 40, 163-169	17.1	75
91	Dithieno[3,2-b:2',3'-d]pyrrole Cored p-Type Semiconductors Enabling 20 % Efficiency Dopant-Free Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 13717-13721	16.4	73
90	Environmental analysis of perovskites and other relevant solar cell technologies in a tandem configuration. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 1874-1884	35.4	71
89	Excitation Energy Dependent Efficiency of Charge Carrier Relaxation and Photoluminescence in Colloidal InP Quantum Dots. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 7758-7765	3.4	68
88	Thin film solar cells based on the heterojunction of colloidal PbS quantum dots with CdS. <i>Solar Energy Materials and Solar Cells</i> , <b>2013</b> , 117, 476-482	6.4	57
87	Probing the origins of photodegradation in organic/inorganic metal halide perovskites with time-resolved mass spectrometry. <i>Sustainable Energy and Fuels</i> , <b>2018</b> , 2, 2460-2467	5.8	56
86	Arylammonium-Assisted Reduction of the Open-Circuit Voltage Deficit in Wide-Bandgap Perovskite Solar Cells: The Role of Suppressed Ion Migration. <i>ACS Energy Letters</i> , <b>2020</b> , 5, 2560-2568	20.1	56
85	Employing Overlayers To Improve the Performance of Cu <sub>2</sub> BaSnS <sub>4</sub> Thin Film based Photoelectrochemical Water Reduction Devices. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 916-920	9.6	52

84	Size Dependent Femtosecond Electron Cooling Dynamics in CdSe Quantum Rods. <i>Nano Letters</i> , <b>2004</b> , 4, 1089-1092	11.5	47
83	Iron pyrite nanocrystal film serves as a copper-free back contact for polycrystalline CdTe thin film solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2015</b> , 140, 108-114	6.4	46
82	Binary hole transport materials blending to linearly tune HOMO level for high efficiency and stable perovskite solar cells. <i>Nano Energy</i> , <b>2018</b> , 51, 680-687	17.1	41
81	Energy Payback Time (EPBT) and Energy Return on Energy Invested (EROI) of Perovskite Tandem Photovoltaic Solar Cells. <i>IEEE Journal of Photovoltaics</i> , <b>2018</b> , 8, 305-309	3.7	40
80	Impact of Moisture on Photoexcited Charge Carrier Dynamics in Methylammonium Lead Halide Perovskites. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 6312-6320	6.4	37
79	Majority Carrier Type Control of Cobalt Iron Sulfide (CoFe <sub>1-x</sub> S <sub>2</sub> ) Pyrite Nanocrystals. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 5706-5713	3.8	35
78	Enhanced Grain Size, Photoluminescence, and Photoconversion Efficiency with Cadmium Addition during the Two-Step Growth of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 2334-2341	9.5	33
77	Cost-effective hole transporting material for stable and efficient perovskite solar cells with fill factors up to 82%. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 23319-23327	13	32
76	Post-deposition processing options for high-efficiency sputtered CdS/CdTe solar cells. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 064502	2.5	32
75	Extrinsic and intrinsic effects on the excited-state kinetics of single-walled carbon nanotubes. <i>Nano Letters</i> , <b>2007</b> , 7, 300-6	11.5	32
74	The Role of Back Buffer Layers and Absorber Properties for >25% Efficient CdTe Solar Cells. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 5419-5426	6.1	30
73	Analysis and characterization of iron pyrite nanocrystals and nanocrystalline thin films derived from bromide anion synthesis. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 6853-6861	13	30
72	Interface modification of sputtered NiO <sub>x</sub> as the hole-transporting layer for efficient inverted planar perovskite solar cells. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 1972-1980	7.1	30
71	Influence of Charge Transport Layers on Capacitance Measured in Halide Perovskite Solar Cells. <i>Joule</i> , <b>2020</b> , 4, 644-657	27.8	29
70	Eliminating S-Kink To Maximize the Performance of MgZnO/CdTe Solar Cells. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 2896-2903	6.1	28
69	Improving Performance and Stability of Planar Perovskite Solar Cells through Grain Boundary Passivation with Block Copolymers. <i>Solar Rrl</i> , <b>2019</b> , 3, 1900078	7.1	28
68	A New Hole Transport Material for Efficient Perovskite Solar Cells With Reduced Device Cost. <i>Solar Rrl</i> , <b>2018</b> , 2, 1700175	7.1	28
67	CdTe Thin Films from Nanoparticle Precursors by Spray Deposition. <i>Chemistry of Materials</i> , <b>1997</b> , 9, 889-900	26	26

66	Theoretical and experimental investigation of electronic structure and relaxation of colloidal nanocrystalline indium phosphide quantum dots. <i>Physical Review B</i> , <b>2003</b> , 67,	3.3	24
65	Structural, optical, and hole transport properties of earth-abundant chalcopyrite (CuFeS <sub>2</sub> ) nanocrystals. <i>MRS Communications</i> , <b>2018</b> , 8, 970-978	2.7	23
64	Synergistic effects of thiocyanate additive and cesium cations on improving the performance and initial illumination stability of efficient perovskite solar cells. <i>Sustainable Energy and Fuels</i> , <b>2018</b> , 2, 2435-2441	5.8	22
63	Anomalies in the linear absorption, transient absorption, photoluminescence and photoluminescence excitation spectroscopies of colloidal InP quantum dots. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2001</b> , 142, 187-195	4.7	22
62	Application of composition controlled nickel-alloyed iron sulfide pyrite nanocrystal thin films as the hole transport layer in cadmium telluride solar cells. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 4996-5004	7.1	21
61	Probing Photocurrent Nonuniformities in the Subcells of Monolithic Perovskite/Silicon Tandem Solar Cells. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 5114-5120	6.4	21
60	The Effects of Hydrogen Iodide Back Surface Treatment on CdTe Solar Cells. <i>Solar Rrl</i> , <b>2019</b> , 3, 1800304	7.1	21
59	Enhanced Grain Size and Crystallinity in CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite Films by Metal Additives to the Single-Step Solution Fabrication Process. <i>MRS Advances</i> , <b>2018</b> , 3, 3237-3242	0.7	20
58	Maximize CdTe solar cell performance through copper activation engineering. <i>Nano Energy</i> , <b>2020</b> , 73, 104835	17.1	19
57	Elemental anion thermal injection synthesis of nanocrystalline marcasite iron dichalcogenide FeSe <sub>2</sub> and FeTe <sub>2</sub> . <i>RSC Advances</i> , <b>2016</b> , 6, 69708-69714	3.7	19
56	Selective Cd Removal From CdTe for High-Efficiency Te Back-Contact Formation. <i>IEEE Journal of Photovoltaics</i> , <b>2018</b> , 8, 1125-1131	3.7	19
55	Near-infrared Fourier transform photoluminescence spectrometer with tunable excitation for the study of single-walled carbon nanotubes. <i>Review of Scientific Instruments</i> , <b>2006</b> , 77, 053104	1.7	19
54	A Cu <sub>3</sub> PS <sub>4</sub> nanoparticle hole selective layer for efficient inverted perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 4604-4610	13	18
53	Photophysics of (CdSe)ZnS colloidal quantum dots in an aqueous environment stabilized with amino acids and genetically-modified proteins. <i>Photochemical and Photobiological Sciences</i> , <b>2007</b> , 6, 1027-1033	4.3	18
52	Exceedingly Cheap Perovskite Solar Cells Using Iron Pyrite Hole Transport Materials. <i>ChemistrySelect</i> , <b>2016</b> , 1, 5316-5319	1.8	18
51	Thin film iron pyrite deposited by hybrid sputtering/co-evaporation as a hole transport layer for sputtered CdS/CdTe solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2017</b> , 163, 277-284	6.4	17
50	Nanocomposite (CuS) <sub>x</sub> (ZnS) <sub>1-x</sub> thin film back contact for CdTe solar cells: Toward a bifacial device. <i>Solar Energy Materials and Solar Cells</i> , <b>2018</b> , 186, 227-235	6.4	17
49	Sub-picosecond Injection of Electrons from Excited [Ru(2,2',7,7'-bipy-4,4'-dicarboxy) <sub>2</sub> (SCN) <sub>2</sub> ] into TiO <sub>2</sub> Using Transient Mid-Infrared Spectroscopy*. <i>Zeitschrift Fur Physikalische Chemie</i> , <b>1999</b> , 212, 77-84	3.1	17

48	Few-Atom-Thick Colloidal PbS/CdS Core/Shell Nanosheets. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 5342-5346	9.6	16
47	High speed, intermediate resolution, large area laser beam induced current imaging and laser scribing system for photovoltaic devices and modules. <i>Review of Scientific Instruments</i> , <b>2016</b> , 87, 093708 <sup>1-7</sup>		16
46	Irradiance and temperature considerations in the design and deployment of high annual energy yield perovskite/CIGS tandems. <i>Sustainable Energy and Fuels</i> , <b>2019</b> , 3, 1841-1851	5.8	15
45	Determination of heterojunction band offsets between CdS bulk and PbS quantum dots using photoelectron spectroscopy. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 131604	3.4	14
44	Charge Compensating Defects in Methylammonium Lead Iodide Perovskite Suppressed by Formamidinium Inclusion. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 121-128	6.4	14
43	Influences of buffer material and fabrication atmosphere on the electrical properties of CdTe solar cells. <i>Progress in Photovoltaics: Research and Applications</i> , <b>2019</b> , 27, 1115-1123	6.8	13
42	Imaging the Spatial Evolution of Degradation in Perovskite/Si Tandem Solar Cells After Exposure to Humid Air. <i>IEEE Journal of Photovoltaics</i> , <b>2017</b> , 7, 1563-1568	3.7	13
41	Understanding and Advancing Bifacial Thin Film Solar Cells. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 6072-6078		11
40	Enabling bifacial thin film devices by developing a back surface field using Cu <sub>x</sub> AlO <sub>y</sub> . <i>Nano Energy</i> , <b>2021</b> , 83, 105827	17.1	10
39	Understanding the Photoluminescence Mechanism of Carbon Dots. <i>MRS Advances</i> , <b>2017</b> , 2, 2927-2934	0.7	9
38	High Remaining Factors in the Photovoltaic Performance of Perovskite Solar Cells after High-Fluence Electron Beam Irradiations. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 1330-1336	3.8	9
37	Influence of interparticle electronic coupling on the temperature and size dependent optical properties of lead sulfide quantum dot thin films. <i>Journal of Applied Physics</i> , <b>2016</b> , 119, 094307	2.5	9
36	Effect of electric field on carrier escape mechanisms in quantum dot intermediate band solar cells. <i>Journal of Applied Physics</i> , <b>2017</b> , 121, 013101	2.5	8
35	Effects of chronic ethanol consumption on male Syrian hamster hepatic, microsomal mixed-function oxidases. <i>Alcohol</i> , <b>1985</b> , 2, 17-22	2.7	8
34	Electronic circuit model for evaluating S-kink distorted current-voltage curves <b>2016</b> ,		8
33	Wet chemical etching of cadmium telluride photovoltaics for enhanced open-circuit voltage, fill factor, and power conversion efficiency. <i>Journal of Materials Research</i> , <b>2019</b> , 34, 3988-3997	2.5	8
32	Solution-processed Nanocrystal Based Thin Films as Hole Transport Materials in Cadmium Telluride Photovoltaics. <i>MRS Advances</i> , <b>2018</b> , 3, 2441-2447	0.7	7
31	Doping of CdTe using CuCl <sub>2</sub> Solution for Highly Efficient Photovoltaic Devices <b>2019</b> ,		7



30	Impact of Divalent Metal Additives on the Structural and Optoelectronic Properties of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite Prepared by the Two-Step Solution Process. <i>MRS Advances</i> , <b>2017</b> , 2, 1183-1188	0.7	6
29	Aspect ratio controlled synthesis of tellurium nanowires for photovoltaic applications. <i>Materials Advances</i> , <b>2020</b> , 1, 2721-2728	3.3	6
28	Low-temperature and effective ex situ group V doping for efficient polycrystalline CdSeTe solar cells. <i>Nature Energy</i> , <b>2021</b> , 6, 715-722	62.3	6
27	Applications of hybrid organic-inorganic metal halide perovskite thin film as a hole transport layer in CdTe thin film solar cells <b>2017</b> ,		5
26	Low Temperature Photoluminescence Spectroscopy of Defect and Interband Transitions in Cd <sub>0.9</sub> Se <sub>0.1</sub> Thin Films. <i>MRS Advances</i> , <b>2018</b> , 3, 3293-3299	0.7	5
25	Intraexciton Transitions Observed in High Stability Doped Single-Wall Carbon Nanotube Films and Solutions. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 25253-25260	3.8	5
24	Back-Surface Passivation of CdTe Solar Cells Using Solution-Processed Oxidized Aluminum. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 51337-51343	9.5	3
23	<b>2017</b> ,		3
22	Spatially resolved characterization of solution processed perovskite solar cells using the LBIC technique <b>2015</b> ,		3
21	Photoluminescence spectroscopy of Cadmium Telluride deep defects <b>2014</b> ,		3
20	Copper iodide nanoparticles as a hole transport layer to CdTe photovoltaics: 5.5 % efficient back-illuminated bifacial CdTe solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2022</b> , 235, 111451	6.4	3
19	Semi-transparent p-type barium copper sulfide as a back contact interface layer for cadmium telluride solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2020</b> , 218, 110764	6.4	3
18	One-dimensional growth of colloidal PbSe nanorods in chloroalkanes. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2016</b> , 10, 833-837	2.5	3
17	Real Time Spectroscopic Ellipsometry Analysis of First Stage CuInGaSe <sub>2</sub> Growth: Indium-Gallium Selenide Co-Evaporation. <i>Materials</i> , <b>2018</b> , 11,	3.5	3
16	CuSCN as the Back Contact for Efficient ZMO/CdTe Solar Cells. <i>Materials</i> , <b>2020</b> , 13,	3.5	2
15	Very high VOC and FF of CdTe thin-film solar cells with the applications of organo-metallic halide perovskite thin film as a hole transport layer. <i>Progress in Photovoltaics: Research and Applications</i> , <b>2020</b> , 28, 1024-1033	6.8	2
14	Mitigation of PV Variability Using Adaptive Moving Average Control. <i>IEEE Transactions on Sustainable Energy</i> , <b>2020</b> , 11, 2252-2262	8.2	2
13	Identification of Defect Levels in Copper Indium Diselenide (CuInSe <sub>2</sub> ) Thin Films via Photoluminescence Studies. <i>MRS Advances</i> , <b>2018</b> , 3, 3135-3141	0.7	2

12	Bandgap, window layer thickness, and light soaking effects on PbS quantum dot solar cells <b>2013</b> ,		2
11	Enhancing the efficiency of CdTe solar cells using a nanocrystalline iron pyrite film as an interface layer <b>2015</b> ,		2
10	Experimental and theoretical investigation of electronic structure in colloidal indium phosphide quantum dots. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2003</b> , 1229-1232		2
9	Open-circuit Voltage Exceeding 840 mV for All-Sputtered CdS/CdTe Devices <b>2020</b> ,		2
8	Successive Ionic Layer Adsorption and Reaction-Deposited Transparent Cu <sub>2</sub> ZnS Nanocomposites as Hole Transport Materials in CdTe Photovoltaics. <i>Energy Technology</i> , <b>2020</b> , 8, 2000429	3.5	2
7	Understanding the Interplay between CdSe Thickness and Cu Doping Temperature in CdSe/CdTe Devices <b>2021</b> ,		2
6	Understanding the Interplay Between CdSe Thickness and Cu Doping Temperature in CdSe/CdTe Devices. <i>IEEE Journal of Photovoltaics</i> , <b>2021</b> , 1-5	3.7	2
5	Ultrathin Colloidal PbS/CdS Core/Shell Nanosheets. <i>MRS Advances</i> , <b>2017</b> , 2, 3685-3690	0.7	1
4	Improving CdSeTe Devices With a Back Buffer Layer of Cu <sub>x</sub> AlO <sub>y</sub> . <i>IEEE Journal of Photovoltaics</i> , <b>2021</b> , 1-6	3.7	1
3	Room Temperature Processed Transparent Cu-Zn-S Nanocomposites as Hole Transport Materials in CdTe Photovoltaics <b>2019</b> ,		1
2	Optical Properties of Organic Inorganic Metal Halide Perovskite for Photovoltaics <b>2019</b> ,		1
1	Effects of Cu Precursor on the Performance of Efficient CdTe Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 38432-38440	9.5	0