

# Randy J Ellingson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2165004/publications.pdf>

Version: 2024-02-01

135  
papers

12,047  
citations

66250

44  
h-index

29333

108  
g-index

138  
all docs

138  
docs citations

138  
times ranked

14255  
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding the Interplay Between CdSe Thickness and Cu Doping Temperature in CdSe/CdTe Devices. IEEE Journal of Photovoltaics, 2022, 12, 11-15.	1.5	8
2	Copper iodide nanoparticles as a hole transport layer to CdTe photovoltaics: 5.5 % efficient back-illuminated bifacial CdTe solar cells. Solar Energy Materials and Solar Cells, 2022, 235, 111451.	3.0	14
3	Improving CdSeTe Devices With a Back Buffer Layer of Cu <sub>x</sub> AlO <sub>y</sub> . IEEE Journal of Photovoltaics, 2022, 12, 16-21.	1.5	9
4	Reduced Recombination and Improved Performance of CdSe/CdTe Solar Cells due to Cu Migration Induced by Light Soaking. ACS Applied Materials & Interfaces, 2022, 14, 19644-19651.	4.0	12
5	Impact of lifetime on the levelized cost of electricity from perovskite single junction and tandem solar cells. Sustainable Energy and Fuels, 2022, 6, 2718-2726.	2.5	11
6	Indium Gallium Oxide Emitters for High-Efficiency CdTe-Based Solar Cells. ACS Applied Energy Materials, 2022, 5, 5484-5489.	2.5	13
7	Enabling bifacial thin film devices by developing a back surface field using Cu <sub>x</sub> AlO <sub>y</sub> . Nano Energy, 2021, 83, 105827.	8.2	32
8	Solution-Processed P-type Copper Gallium Oxide as a Back Buffer Layer for CdTe Solar Cells. , 2021, , .		0
9	Low-temperature and effective ex situ group V doping for efficient polycrystalline CdSeTe solar cells. Nature Energy, 2021, 6, 715-722.	19.8	31
10	Solution Processed Lead Telluride Nanowires as a Passivating Layer to CdTe Photovoltaics. , 2021, , .		1
11	Fabricating Efficient CdTe Solar Cells: The Effect of Cu Precursor. , 2021, , .		2
12	Understanding the Interplay between CdSe Thickness and Cu Doping Temperature in CdSe/CdTe Devices. , 2021, , .		6
13	Optimization of the Solution-Based Aluminium Gallium Oxide Buffer Layer for CdTe Solar Cells. , 2021, , .		2
14	Determining the Limiting Interface for Thin Film Solar Cells Using Intensity Dependent Front and Back Illuminated Device Performance. , 2021, , .		0
15	Effects of Cu Precursor on the Performance of Efficient CdTe Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 38432-38440.	4.0	15
16	Branchless Colloidal PbSe Nanorods: Implications for Solution-Processed Optoelectronic and Thermoelectric Devices. ACS Applied Nano Materials, 2021, 4, 10708-10712.	2.4	2
17	Interface modification of sputtered NiO <sub>x</sub> as the hole-transporting layer for efficient inverted planar perovskite solar cells. Journal of Materials Chemistry C, 2020, 8, 1972-1980.	2.7	66
18	High Remaining Factors in the Photovoltaic Performance of Perovskite Solar Cells after High-Fluence Electron Beam Irradiations. Journal of Physical Chemistry C, 2020, 124, 1330-1336.	1.5	30

#	ARTICLE	IF	CITATIONS
19	Charge Compensating Defects in Methylammonium Lead Iodide Perovskite Suppressed by Formamidinium Inclusion. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 121-128.	2.1	15
20	Low-bandgap mixed tin-lead iodide perovskites with reduced methylammonium for simultaneous enhancement of solar cell efficiency and stability. <i>Nature Energy</i> , 2020, 5, 768-776.	19.8	165
21	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> , 2020, 5, 2560-2568.	8.8	131
22	Successive Ionic Layer Adsorption and Reaction-Deposited Transparent Cu-Zn-S Nanocomposites as Hole Transport Materials in CdTe Photovoltaics. <i>Energy Technology</i> , 2020, 8, 2000429.	1.8	3
23	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> , 2020, 218, 110764.	3.0	10
24	Aspect ratio controlled synthesis of tellurium nanowires for photovoltaic applications. <i>Materials Advances</i> , 2020, 1, 2721-2728.	2.6	16
25	Back-Surface Passivation of CdTe Solar Cells Using Solution-Processed Oxidized Aluminum. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 51337-51343.	4.0	15
26	CuSCN as the Back Contact for Efficient ZMO/CdTe Solar Cells. <i>Materials</i> , 2020, 13, 1991.	1.3	13
27	Understanding and Advancing Bifacial Thin Film Solar Cells. <i>ACS Applied Energy Materials</i> , 2020, 3, 6072-6078.	2.5	31
28	Very high $V_{OC}$ and FF of CdTe thin film solar cells with the applications of organometallic halide perovskite thin film as a hole transport layer. <i>Progress in Photovoltaics: Research and Applications</i> , 2020, 28, 1024-1033.	4.4	8
29	Influence of Charge Transport Layers on Capacitance Measured in Halide Perovskite Solar Cells. <i>Joule</i> , 2020, 4, 644-657.	11.7	69
30	Mitigation of PV Variability Using Adaptive Moving Average Control. <i>IEEE Transactions on Sustainable Energy</i> , 2020, 11, 2252-2262.	5.9	27
31	Maximize CdTe solar cell performance through copper activation engineering. <i>Nano Energy</i> , 2020, 73, 104835.	8.2	35
32	Open-circuit Voltage Exceeding 840 mV for All-Sputtered CdS/CdTe Devices. , 2020, , .		5
33	Dithieno[3,2-b:2',3'-d]pyrrole-Cored Hole Transport Material Enabling Over 21% Efficiency Dopant-Free Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2019, 29, 1904300.	7.8	114
34	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> , 2019, 58, 13717-13721.	7.2	108
35	The Role of Back Buffer Layers and Absorber Properties for >25% Efficient CdTe Solar Cells. <i>ACS Applied Energy Materials</i> , 2019, 2, 5419-5426.	2.5	66
36	Influences of buffer material and fabrication atmosphere on the electrical properties of CdTe solar cells. <i>Progress in Photovoltaics: Research and Applications</i> , 2019, 27, 1115-1123.	4.4	24

#	ARTICLE	IF	CITATIONS
37	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> , 2019, 7, 4604-4610.	5.2	29
38	Irradiance and temperature considerations in the design and deployment of high annual energy yield perovskite/CIGS tandems. <i>Sustainable Energy and Fuels</i> , 2019, 3, 1841-1851.	2.5	30
39	Achieving a high open-circuit voltage in inverted wide-bandgap perovskite solar cells with a graded perovskite homojunction. <i>Nano Energy</i> , 2019, 61, 141-147.	8.2	152
40	Eliminating S-Kink To Maximize the Performance of MgZnO/CdTe Solar Cells. <i>ACS Applied Energy Materials</i> , 2019, 2, 2896-2903.	2.5	60
41	Improving Performance and Stability of Planar Perovskite Solar Cells through Grain Boundary Passivation with Block Copolymers. <i>Solar Rrl</i> , 2019, 3, 1900078.	3.1	40
42	Defect Analysis in CSS and Sputtered CdSexTe1-x Thin Films. , 2019, , .		1
43	Doping of CdTe using CuCl <sub>2</sub> Solution for Highly Efficient Photovoltaic Devices. , 2019, , .		16
44	Room Temperature Processed Transparent Cu-Zn-S Nanocomposites as Hole Transport Materials in CdTe Photovoltaics. , 2019, , .		4
45	Optical Properties of Organic Inorganic Metal Halide Perovskite for Photovoltaics. , 2019, , .		2
46	Effects of Fabrication Atmosphere on Bulk and Back Interface Defects of CdTe Solar Cells with CdS and MgZnO Buffers. , 2019, , .		1
47	Wet chemical etching of cadmium telluride photovoltaics for enhanced open-circuit voltage, fill factor, and power conversion efficiency. <i>Journal of Materials Research</i> , 2019, 34, 3988-3997.	1.2	11
48	Reducing Saturation Current Density to Realize High Efficiency Low Bandgap Mixed Tin Lead Halide Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2019, 9, 1803135.	10.2	255
49	The Effects of Hydrogen Iodide Back Surface Treatment on CdTe Solar Cells. <i>Solar Rrl</i> , 2019, 3, 1800304.	3.1	29
50	Solution-processed Nanocrystal Based Thin Films as Hole Transport Materials in Cadmium Telluride Photovoltaics. <i>MRS Advances</i> , 2018, 3, 2441-2447.	0.5	11
51	A New Hole Transport Material for Efficient Perovskite Solar Cells With Reduced Device Cost. <i>Solar Rrl</i> , 2018, 2, 1700175.	3.1	31
52	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> , 2018, 3, 3237-3242.	0.5	26
53	Energy Payback Time (EPBT) and Energy Return on Energy Invested (EROI) of Perovskite Tandem Photovoltaic Solar Cells. <i>IEEE Journal of Photovoltaics</i> , 2018, 8, 305-309.	1.5	58
54	Impact of Moisture on Photoexcited Charge Carrier Dynamics in Methylammonium Lead Halide Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 6312-6320.	2.1	56

#	ARTICLE	IF	CITATIONS
55	Real Time Spectroscopic Ellipsometry Analysis of First Stage $\text{CuIn}_{1-x}\text{Ga}_x\text{Se}_2$ Growth: Indium-Gallium Selenide Co-Evaporation. <i>Materials</i> , 2018, 11, 145.	1.3	3
56	Structural, optical, and hole transport properties of earth-abundant chalcopyrite ( $\text{CuFeS}_2$ ) nanocrystals. <i>MRS Communications</i> , 2018, 8, 970-978.	0.8	33
57	Identification of Defect Levels in Copper Indium Diselenide ( $\text{CuInSe}_2$ ) Thin Films via Photoluminescence Studies. <i>MRS Advances</i> , 2018, 3, 3135-3141.	0.5	5
58	Nanocomposite ( $\text{CuS}$ ) ( $\text{ZnS}$ ) thin film back contact for CdTe solar cells: Toward a bifacial device. <i>Solar Energy Materials and Solar Cells</i> , 2018, 186, 227-235.	3.0	30
59	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> , 2018, 2, 2435-2441.	2.5	27
60	Binary hole transport materials blending to linearly tune HOMO level for high efficiency and stable perovskite solar cells. <i>Nano Energy</i> , 2018, 51, 680-687.	8.2	59
61	Low Temperature Photoluminescence Spectroscopy of Defect and Interband Transitions in $\text{CdSe}_x\text{Te}_{1-x}$ Thin Films. <i>MRS Advances</i> , 2018, 3, 3293-3299.	0.5	8
62	Probing the origins of photodegradation in organic-inorganic metal halide perovskites with time-resolved mass spectrometry. <i>Sustainable Energy and Fuels</i> , 2018, 2, 2460-2467.	2.5	84
63	Selective Cd Removal From CdTe for High-Efficiency Te Back-Contact Formation. <i>IEEE Journal of Photovoltaics</i> , 2018, 8, 1125-1131.	1.5	24
64	Employing Overlayers To Improve the Performance of $\text{Cu}_2\text{BaSnS}_4$ Thin Film based Photoelectrochemical Water Reduction Devices. <i>Chemistry of Materials</i> , 2017, 29, 916-920.	3.2	61
65	Effect of electric field on carrier escape mechanisms in quantum dot intermediate band solar cells. <i>Journal of Applied Physics</i> , 2017, 121, .	1.1	12
66	Low-bandgap mixed tin-lead iodide perovskite absorbers with long carrier lifetimes for all-perovskite tandem solar cells. <i>Nature Energy</i> , 2017, 2, .	19.8	634
67	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> , 2017, 163, 277-284.	3.0	26
68	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> , 2017, 5, 4996-5004.	2.7	30
69	Ultrathin Colloidal PbS/CdS Core/Shell Nanosheets. <i>MRS Advances</i> , 2017, 2, 3685-3690.	0.5	2
70	Synergistic Effects of Lead Thiocyanate Additive and Solvent Annealing on the Performance of Wide-Bandgap Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2017, 2, 1177-1182.	8.8	190
71	Impact of Divalent Metal Additives on the Structural and Optoelectronic Properties of $\text{CH}_3\text{NH}_3\text{PbI}_3$ Perovskite Prepared by the Two-Step Solution Process. <i>MRS Advances</i> , 2017, 2, 1183-1188.	0.5	8
72	Compositional and morphological engineering of mixed cation perovskite films for highly efficient planar and flexible solar cells with reduced hysteresis. <i>Nano Energy</i> , 2017, 35, 223-232.	8.2	162

#	ARTICLE	IF	CITATIONS
73	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> , 2017, 7, 1601803.	10.2	102
74	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> , 2017, 9, 2334-2341.	4.0	45
75	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> , 2017, 5, 23319-23327.	5.2	40
76	Imaging the Spatial Evolution of Degradation in Perovskite/Si Tandem Solar Cells After Exposure to Humid Air. <i>IEEE Journal of Photovoltaics</i> , 2017, 7, 1563-1568.	1.5	14
77	Environmental analysis of perovskites and other relevant solar cell technologies in a tandem configuration. <i>Energy and Environmental Science</i> , 2017, 10, 1874-1884.	15.6	104
78	One-step facile synthesis of a simple carbazole-cored hole transport material for high-performance perovskite solar cells. <i>Nano Energy</i> , 2017, 40, 163-169.	8.2	89
79	Understanding the Photoluminescence Mechanism of Carbon Dots. <i>MRS Advances</i> , 2017, 2, 2927-2934.	0.5	15
80	13% CdS/CdTe Solar Cell Using a Nanocomposite $(\text{CuS})_x(\text{ZnS})_{1-x}$ Thin Film Hole Transport Layer. , 2017, , .		6
81	Applications of hybrid organic-inorganic metal halide perovskite thin film as a hole transport layer in CdTe thin film solar cells. , 2017, , .		7
82	Solution-Processed Nickel-Alloyed Iron Pyrite Thin Film as Hole Transport Layer in Cadmium Telluride Solar Cells. , 2017, , .		0
83	Novel, Facile Back Surface Treatment for CdTe Solar Cells. , 2017, , .		2
84	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> , 2016, 4, 12080-12087.	5.2	210
85	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> , 2016, 119, .	1.1	10
86	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> , 2016, 87, 093708.	0.6	20
87	Electronic circuit model for evaluating S-kink distorted current-voltage curves. , 2016, , .		9
88	CdTe solar cells with iron pyrite thin film back contacts fabricated by a hybrid sputtering/co-evaporation process. , 2016, , .		1
89	Exceedingly Cheap Perovskite Solar Cells Using Iron Pyrite Hole Transport Materials. <i>ChemistrySelect</i> , 2016, 1, 5316-5319.	0.7	25
90	One-dimensional growth of colloidal PbSe nanorods in chloroalkanes. <i>Physica Status Solidi - Rapid Research Letters</i> , 2016, 10, 833-837.	1.2	4

#	ARTICLE	IF	CITATIONS
91	Probing Photocurrent Nonuniformities in the Subcells of Monolithic Perovskite/Silicon Tandem Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 5114-5120.	2.1	22
92	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> , 2016, 138, 12360-12363.	6.6	362
93	Elemental anion thermal injection synthesis of nanocrystalline marcasite iron dichalcogenide $\text{FeSe}_2$ and $\text{FeTe}_2$ . <i>RSC Advances</i> , 2016, 6, 69708-69714.	1.7	25
94	Improving the Performance of Formamidinium and Cesium Lead Triiodide Perovskite Solar Cells using Lead Thiocyanate Additives. <i>ChemSusChem</i> , 2016, 9, 3288-3297.	3.6	178
95	Few-Atom-Thick Colloidal PbS/CdS Core/Shell Nanosheets. <i>Chemistry of Materials</i> , 2016, 28, 5342-5346.	3.2	19
96	Majority Carrier Type Control of Cobalt Iron Sulfide ( $\text{Co}_x\text{Fe}_{1-x}\text{S}_2$ ) Pyrite Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2016, 120, 5706-5713.	1.5	45
97	Spatially resolved characterization of solution processed perovskite solar cells using the LBIC technique. , 2015, , .		3
98	Enhancing the efficiency of CdTe solar cells using a nanocrystalline iron pyrite film as an interface layer. , 2015, , .		4
99	Analysis and characterization of iron pyrite nanocrystals and nanocrystalline thin films derived from bromide anion synthesis. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6853-6861.	5.2	36
100	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> , 2015, 140, 108-114.	3.0	58
101	Impact of Processing Temperature and Composition on the Formation of Methylammonium Lead Iodide Perovskites. <i>Chemistry of Materials</i> , 2015, 27, 4612-4619.	3.2	212
102	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> , 2015, 47, 133-141.	8.2	348
103	Photoluminescence spectroscopy of Cadmium Telluride deep defects. , 2014, , .		8
104	Determination of heterojunction band offsets between CdS bulk and PbS quantum dots using photoelectron spectroscopy. <i>Applied Physics Letters</i> , 2014, 105, 131604.	1.5	16
105	Post-deposition processing options for high-efficiency sputtered CdS/CdTe solar cells. <i>Journal of Applied Physics</i> , 2014, 115, 064502.	1.1	38
106	Intraexciton Transitions Observed in High Stability Doped Single-Wall Carbon Nanotube Films and Solutions. <i>Journal of Physical Chemistry C</i> , 2014, 118, 25253-25260.	1.5	5
107	Thin film solar cells based on the heterojunction of colloidal PbS quantum dots with CdS. <i>Solar Energy Materials and Solar Cells</i> , 2013, 117, 476-482.	3.0	64
108	Bandgap, window layer thickness, and light soaking effects on PbS quantum dot solar cells. , 2013, , .		2



#	ARTICLE	IF	CITATIONS
109	Quantum Dot Size Dependent $J^{\sim}V$ Characteristics in Heterojunction ZnO/PbS Quantum Dot Solar Cells. Nano Letters, 2011, 11, 1002-1008.	4.5	277
110	n-Type Transition Metal Oxide as a Hole Extraction Layer in PbS Quantum Dot Solar Cells. Nano Letters, 2011, 11, 3263-3266.	4.5	258
111	Variations in the Quantum Efficiency of Multiple Exciton Generation for a Series of Chemically Treated PbSe Nanocrystal Films. Nano Letters, 2009, 9, 836-845.	4.5	219
112	Slicing and dicing photons. Nature Photonics, 2008, 2, 72-73.	15.6	3
113	Schottky Solar Cells Based on Colloidal Nanocrystal Films. Nano Letters, 2008, 8, 3488-3492.	4.5	882
114	Photophysics of (CdSe)ZnS colloidal quantum dots in an aqueous environment stabilized with amino acids and genetically-modified proteins. Photochemical and Photobiological Sciences, 2007, 6, 1027-1033.	1.6	19
115	Extrinsic and Intrinsic Effects on the Excited-State Kinetics of Single-Walled Carbon Nanotubes. Nano Letters, 2007, 7, 300-306.	4.5	36
116	Multiple Exciton Generation in Films of Electronically Coupled PbSe Quantum Dots. Nano Letters, 2007, 7, 1779-1784.	4.5	230
117	Multiple Exciton Generation in Colloidal Silicon Nanocrystals. Nano Letters, 2007, 7, 2506-2512.	4.5	794
118	Photoinduced Charge Carrier Generation in a Poly(3-hexylthiophene) and Methanofullerene Bulk Heterojunction Investigated by Time-Resolved Terahertz Spectroscopy. Journal of Physical Chemistry B, 2006, 110, 25462-25471.	1.2	142
119	Near-infrared Fourier transform photoluminescence spectrometer with tunable excitation for the study of single-walled carbon nanotubes. Review of Scientific Instruments, 2006, 77, 053104.	0.6	19
120	PbTe Colloidal Nanocrystals: Synthesis, Characterization, and Multiple Exciton Generation. Journal of the American Chemical Society, 2006, 128, 3241-3247.	6.6	660
121	Highly Efficient Multiple Exciton Generation in Colloidal PbSe and PbS Quantum Dots. Nano Letters, 2005, 5, 865-871.	4.5	1,548
122	Absorption Cross-Section and Related Optical Properties of Colloidal InAs Quantum Dots. Journal of Physical Chemistry B, 2005, 109, 7084-7087.	1.2	151
123	Size Dependent Femtosecond Electron Cooling Dynamics in CdSe Quantum Rods. Nano Letters, 2004, 4, 1089-1092.	4.5	52
124	Photoenhancement of Luminescence in Colloidal CdSe Quantum Dot Solutions. Journal of Physical Chemistry B, 2003, 107, 11346-11352.	1.2	328
125	Experimental and theoretical investigation of electronic structure in colloidal indium phosphide quantum dots. Physica Status Solidi C: Current Topics in Solid State Physics, 2003, 0, 1229-1232.	0.8	2
126	Electron Relaxation in Colloidal InP Quantum Dots with Photogenerated Excitons or Chemically Injected Electrons. Journal of Physical Chemistry B, 2003, 107, 102-109.	1.2	90



#	ARTICLE	IF	CITATIONS
127	Theoretical and experimental investigation of electronic structure and relaxation of colloidal nanocrystalline indium phosphide quantum dots. <i>Physical Review B</i> , 2003, 67, .	1.1	28
128	Excitation Energy Dependent Efficiency of Charge Carrier Relaxation and Photoluminescence in Colloidal InP Quantum Dots. <i>Journal of Physical Chemistry B</i> , 2002, 106, 7758-7765.	1.2	79
129	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> , 2001, 142, 187-195.	2.0	25
130	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> , 1999, 103, 3110-3119.	1.2	385
131	Sub-picosecond Injection of Electrons from Excited [Ru(2,2'-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> , 1999, 212, 77-84.	1.4	23
132	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> , 1998, 102, 6455-6458.	1.2	292
133	CdTe Thin Films from Nanoparticle Precursors by Spray Deposition. <i>Chemistry of Materials</i> , 1997, 9, 889-900.	3.2	30
134	Effects of chronic ethanol consumption on male syrian hamster hepatic, microsomal mixed-function oxidases. <i>Alcohol</i> , 1985, 2, 17-22.	0.8	8
135	Synthesis and Optical Spectroscopy of Colloidal PbS Nanosheets. , 0, , .		0