

Gerasimos Konstantatos

List of Publications by Year in descending order

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134
papers

21,524
citations

29994

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15218

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138
all docs

138
docs citations

138
times ranked

23634
citing authors

#	ARTICLE	IF	CITATIONS
1	Science and technology roadmap for graphene, related two-dimensional crystals, and hybrid systems. <i>Nanoscale</i> , 2015, 7, 4598-4810.	2.8	2,452
2	Hybrid graphene-quantum dot phototransistors with ultrahigh gain. <i>Nature Nanotechnology</i> , 2012, 7, 363-368.	15.6	1,936
3	Solution-processed PbS quantum dot infrared photodetectors and photovoltaics. <i>Nature Materials</i> , 2005, 4, 138-142.	13.3	1,793
4	Ultrasensitive solution-cast quantum dot photodetectors. <i>Nature</i> , 2006, 442, 180-183.	13.7	1,634
5	Nanostructured materials for photon detection. <i>Nature Nanotechnology</i> , 2010, 5, 391-400.	15.6	1,215
6	Prospects of Nanoscience with Nanocrystals. <i>ACS Nano</i> , 2015, 9, 1012-1057.	7.3	1,005
7	Depleted-Heterojunction Colloidal Quantum Dot Solar Cells. <i>ACS Nano</i> , 2010, 4, 3374-3380.	7.3	781
8	Hybrid 2D ^{OD} MoS ₂ -PbS Quantum Dot Photodetectors. <i>Advanced Materials</i> , 2015, 27, 176-180.	11.1	638
9	Broadband image sensor array based on graphene-CMOS integration. <i>Nature Photonics</i> , 2017, 11, 366-371.	15.6	523
10	Highly Sensitive, Encapsulated MoS ₂ Photodetector with Gate Controllable Gain and Speed. <i>Nano Letters</i> , 2015, 15, 7307-7313.	4.5	515
11	Fast, sensitive and spectrally tuneable colloidal-quantum-dot photodetectors. <i>Nature Nanotechnology</i> , 2009, 4, 40-44.	15.6	475
12	Sensitive solution-processed visible-wavelength photodetectors. <i>Nature Photonics</i> , 2007, 1, 531-534.	15.6	411
13	Recent Progress and Future Prospects of 2D-Based Photodetectors. <i>Advanced Materials</i> , 2018, 30, e1801164.	11.1	408
14	Solution-processed solar cells based on environmentally friendly AgBiS ₂ nanocrystals. <i>Nature Photonics</i> , 2016, 10, 521-525.	15.6	298
15	Near-Unity Photoluminescence Quantum Yield in CsPbBr ₃ Nanocrystal Solid-State Films via Postsynthesis Treatment with Lead Bromide. <i>Chemistry of Materials</i> , 2017, 29, 7663-7667.	3.2	295
16	Sensitive Solution-Processed Bi ₂ S ₃ Nanocrystalline Photodetectors. <i>Nano Letters</i> , 2008, 8, 4002-4006.	4.5	282
17	The role of surface passivation for efficient and photostable PbS quantum dot solar cells. <i>Nature Energy</i> , 2016, 1, .	19.8	279
18	MoS ₂ -HgTe Quantum Dot Hybrid Photodetectors beyond 2 μ m. <i>Advanced Materials</i> , 2017, 29, 1606576.	11.1	248

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19	Synthesis of Monodispersed Wurtzite Structure CuInSe_2 Nanocrystals and Their Application in High-Performance Organic-Inorganic Hybrid Photodetectors. <i>Journal of the American Chemical Society</i> , 2010, 132, 12218-12221.	6.6	242
20	Solution-processed inorganic bulk nano-heterojunctions and their application to solar cells. <i>Nature Photonics</i> , 2012, 6, 529-534.	15.6	221
21	Engineering the Temporal Response of Photoconductive Photodetectors via Selective Introduction of Surface Trap States. <i>Nano Letters</i> , 2008, 8, 1446-1450.	4.5	219
22	Integrating an electrically active colloidal quantum dot photodiode with a graphene phototransistor. <i>Nature Communications</i> , 2016, 7, 11954.	5.8	217
23	Photo-FETs: Phototransistors Enabled by 2D and 0D Nanomaterials. <i>ACS Photonics</i> , 2016, 3, 2197-2210.	3.2	217
24	Flexible graphene photodetectors for wearable fitness monitoring. <i>Science Advances</i> , 2019, 5, eaaw7846.	4.7	186
25	Ultrasensitive all-2D MoS_2 phototransistors enabled by an out-of-plane MoS_2 PN homojunction. <i>Nature Communications</i> , 2017, 8, 572.	5.8	181
26	High-efficiency colloidal quantum dot infrared light-emitting diodes via engineering at the supra-nanocrystalline level. <i>Nature Nanotechnology</i> , 2019, 14, 72-79.	15.6	180
27	Solution-Processed Heterojunction Solar Cells Based on PbS Quantum Dots and Bi_2S_3 Nanocrystals. <i>Advanced Materials</i> , 2011, 23, 3712-3717.	11.1	179
28	Current status and technological prospect of photodetectors based on two-dimensional materials. <i>Nature Communications</i> , 2018, 9, 5266.	5.8	177
29	PbS colloidal quantum dot photoconductive photodetectors: Transport, traps, and gain. <i>Applied Physics Letters</i> , 2007, 91, 173505.	1.5	164
30	Solution-Processed Quantum Dot Photodetectors. <i>Proceedings of the IEEE</i> , 2009, 97, 1666-1683.	16.4	127
31	Interface Engineering in Hybrid Quantum Dot-2D Phototransistors. <i>ACS Photonics</i> , 2016, 3, 1324-1330.	3.2	122
32	Enhanced infrared photovoltaic efficiency in PbS nanocrystal/semiconducting polymer composites: 600-fold increase in maximum power output via control of the ligand barrier. <i>Applied Physics Letters</i> , 2005, 87, 233101.	1.5	120
33	Wurtzite $\text{Cu}_2\text{ZnSnSe}_4$ nanocrystals for high-performance organic-inorganic hybrid photodetectors. <i>NPG Asia Materials</i> , 2012, 4, e2-e2.	3.8	116
34	Photoelectric Energy Conversion of Plasmon-Generated Hot Carriers in Metal-Insulator-Semiconductor Structures. <i>ACS Nano</i> , 2013, 7, 3581-3588.	7.3	116
35	Colloidal quantum dot photodetectors. <i>Infrared Physics and Technology</i> , 2011, 54, 278-282.	1.3	114
36	Efficient Infrared Electroluminescent Devices Using Solution-Processed Colloidal Quantum Dots. <i>Advanced Functional Materials</i> , 2005, 15, 1865-1869.	7.8	112

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37	Heterovalent cation substitutional doping for quantum dot homojunction solar cells. <i>Nature Communications</i> , 2013, 4, 2981.	5.8	111
38	High Performance Photodetectors of Individual InSe Single Crystalline Nanowire. <i>Journal of the American Chemical Society</i> , 2009, 131, 15602-15603.	6.6	108
39	Ultrahigh Carrier Mobility Achieved in Photoresponsive Hybrid Perovskite Films via Coupling with Single-Walled Carbon Nanotubes. <i>Advanced Materials</i> , 2017, 29, 1602432.	11.1	106
40	Cation disorder engineering yields AgBiS ₂ nanocrystals with enhanced optical absorption for efficient ultrathin solar cells. <i>Nature Photonics</i> , 2022, 16, 235-241.	15.6	100
41	Bandgap Engineering of Monodispersed Cu ₂ S _{1-x} Se _x Nanocrystals through Chalcogen Ratio and Crystal Structure. <i>Journal of the American Chemical Society</i> , 2011, 133, 18558-18561.	6.6	96
42	Infrared Solution-Processed Quantum Dot Solar Cells Reaching External Quantum Efficiency of 80% at 1.35 μm and J_{sc} in Excess of 34 mA cm^{-2} . <i>Advanced Materials</i> , 2018, 30, 1704928.	11.1	92
43	Suppressing Deep Traps in PbS Colloidal Quantum Dots via Facile Iodide Substitutional Doping for Solar Cells with Efficiency $\geq 10\%$. <i>ACS Energy Letters</i> , 2017, 2, 739-744.	8.8	91
44	Size and bandgap tunability in Bi ₂ S ₃ colloidal nanocrystals and its effect in solution processed solar cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20642-20648.	5.2	83
45	Near IR-Sensitive, Non-toxic, Polymer/Nanocrystal Solar Cells Employing Bi ₂ S ₃ as the Electron Acceptor. <i>Advanced Energy Materials</i> , 2011, 1, 1029-1035.	10.2	78
46	Heavy-Metal-Free Solution-Processed Nanoparticle-Based Photodetectors: Doping of Intrinsic Vacancies Enables Engineering of Sensitivity and Speed. <i>ACS Nano</i> , 2009, 3, 331-338.	7.3	76
47	Complete Colloidal Synthesis of Cu ₂ SnSe ₃ Nanocrystals with Crystal Phase and Shape Control. <i>Journal of the American Chemical Society</i> , 2014, 136, 7954-7960.	6.6	76
48	Breaking the Open-Circuit Voltage Deficit Floor in PbS Quantum Dot Solar Cells through Synergistic Ligand and Architecture Engineering. <i>ACS Energy Letters</i> , 2017, 2, 1444-1449.	8.8	74
49	High carrier mobility in monolayer CVD-grown MoS ₂ through phonon suppression. <i>Nanoscale</i> , 2018, 10, 15071-15077.	2.8	74
50	Trap-State Suppression and Improved Charge Transport in PbS Quantum Dot Solar Cells with Synergistic Mixed-Ligand Treatments. <i>Small</i> , 2017, 13, 1700598.	5.2	68
51	Reduction of moisture sensitivity of PbS quantum dot solar cells by incorporation of reduced graphene oxide. <i>Solar Energy Materials and Solar Cells</i> , 2018, 183, 1-7.	3.0	68
52	Large-Area Plasmonic-Crystal Hot-Electron-Based Photodetectors. <i>ACS Photonics</i> , 2015, 2, 950-957.	3.2	63
53	Remote Trap Passivation in Colloidal Quantum Dot Bulk Nano-heterojunctions and Its Effect in Solution-Processed Solar Cells. <i>Advanced Materials</i> , 2014, 26, 4741-4747.	11.1	62
54	High-Open-Circuit-Voltage Solar Cells Based on Bright Mixed-Halide CsPbBr ₂ Perovskite Nanocrystals Synthesized under Ambient Air Conditions. <i>Journal of Physical Chemistry C</i> , 2018, 122, 7621-7626.	1.5	56

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55	Mid- and Long-Wave Infrared Optoelectronics via Intraband Transitions in PbS Colloidal Quantum Dots. <i>Nano Letters</i> , 2020, 20, 1003-1008.	4.5	56
56	Plasmonic light trapping leads to responsivity increase in colloidal quantum dot photodetectors. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	52
57	Luminescence from processible quantum dot-polymer light emitters 1100-1600 nm: Tailoring spectral width and shape. <i>Applied Physics Letters</i> , 2004, 84, 3459-3461.	1.5	49
58	Smooth Morphology Ultrasensitive Solution-Processed Photodetectors. <i>Advanced Materials</i> , 2008, 20, 4398-4402.	11.1	49
59	Strategies for the Controlled Electronic Doping of Colloidal Quantum Dot Solids. <i>ChemPhysChem</i> , 2016, 17, 632-644.	1.0	49
60	Solution-processed PbS quantum dot infrared laser with room-temperature tunable emission in the optical telecommunications window. <i>Nature Photonics</i> , 2021, 15, 738-742.	15.6	49
61	High Sensitivity Hybrid PbS CQD-TMDC Photodetectors up to 2 μ m. <i>ACS Photonics</i> , 2019, 6, 2381-2386.	3.2	48
62	Integrated colloidal quantum dot photodetectors with color-tunable plasmonic nanofocusing lenses. <i>Light: Science and Applications</i> , 2015, 4, e234-e234.	7.7	46
63	Eco-friendly visible-wavelength photodetectors based on bandgap engineerable nanomaterials. <i>Journal of Materials Chemistry</i> , 2011, 21, 17582.	6.7	42
64	Integrated Prototype Nanodevices via SnO ₂ Nanoparticles Decorated SnSe Nanosheets. <i>Scientific Reports</i> , 2013, 3, 2613.	1.6	42
65	Solution processed infrared- and thermo-photovoltaics based on 0.7 eV bandgap PbS colloidal quantum dots. <i>Nanoscale</i> , 2019, 11, 838-843.	2.8	41
66	Colloidal AgBiS ₂ nanocrystals with reduced recombination yield 6.4% power conversion efficiency in solution-processed solar cells. <i>Nano Energy</i> , 2020, 75, 104961.	8.2	41
67	Hybrid solution-processed bulk heterojunction solar cells based on bismuth sulfide nanocrystals. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 5482.	1.3	40
68	Imprinted Electrodes for Enhanced Light Trapping in Solution Processed Solar Cells. <i>Advanced Materials</i> , 2014, 26, 443-448.	11.1	40
69	Matildite versus schapbachite: First-principles investigation of the origin of photoactivity in AgBiS ₂ . <i>Physical Review B</i> , 2016, 94, .		39
70	Single-Exciton Gain and Stimulated Emission Across the Infrared Telecom Band from Robust Heavily Doped PbS Colloidal Quantum Dots. <i>Nano Letters</i> , 2020, 20, 5909-5915.	4.5	38
71	Solution Processed Bismuth Sulfide Nanowire Array Core/Silver Sulfide Shell Solar Cells. <i>Chemistry of Materials</i> , 2015, 27, 3700-3706.	3.2	37
72	Engineering Vacancies in Bi ₂ S ₃ yielding Sub-Bandgap Photoresponse and Highly Sensitive Short-Wave Infrared Photodetectors. <i>Advanced Optical Materials</i> , 2019, 7, 1900258.	3.6	37

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73	A facile phosphine-free colloidal synthesis of Cu ₂ SnS ₃ and Cu ₂ ZnSnS ₄ nanorods with a controllable aspect ratio. <i>Chemical Communications</i> , 2015, 51, 13810-13813.	2.2	36
74	Size- and Temperature-Dependent Carrier Dynamics in Oleic Acid Capped PbS Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2013, 117, 1887-1892.	1.5	35
75	Tailoring the Electronic Properties of Colloidal Quantum Dots in Metal-Semiconductor Nanocomposites for High Performance Photodetectors. <i>Small</i> , 2015, 11, 2636-2641.	5.2	35
76	Thiol-Free Synthesized Copper Indium Sulfide Nanocrystals as Optoelectronic Quantum Dot Solids. <i>Chemistry of Materials</i> , 2015, 27, 8424-8432.	3.2	33
77	Molecular interfaces for plasmonic hot electron photovoltaics. <i>Nanoscale</i> , 2015, 7, 2281-2288.	2.8	33
78	Solid-state colloidal CuInS ₂ quantum dot solar cells enabled by bulk heterojunctions. <i>Nanoscale</i> , 2016, 8, 16776-16785.	2.8	33
79	Colloidal Quantum Dot Tandem Solar Cells Using Chemical Vapor Deposited Graphene as an Atomically Thin Intermediate Recombination Layer. <i>ACS Energy Letters</i> , 2018, 3, 1753-1759.	8.8	33
80	Reducing Interface Recombination through Mixed Nanocrystal Interlayers in PbS Quantum Dot Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 27390-27395.	4.0	32
81	Negative capacitance in polymer-nanocrystal composites. <i>Applied Physics Letters</i> , 2004, 85, 3567-3569.	1.5	30
82	High-Efficiency Light-Emitting Diodes Based on Formamidineium Lead Bromide Nanocrystals and Solution Processed Transport Layers. <i>Chemistry of Materials</i> , 2018, 30, 6231-6235.	3.2	29
83	Size- and Temperature-Dependent Intraband Optical Properties of Heavily n-Doped PbS Colloidal Quantum Dot Solid-State Films. <i>ACS Nano</i> , 2020, 14, 7161-7169.	7.3	28
84	Low-Cost RoHS Compliant Solution Processed Photovoltaics Enabled by Ambient Condition Synthesis of AgBiS ₂ Nanocrystals. <i>ACS Photonics</i> , 2020, 7, 588-595.	3.2	28
85	Determination of carrier lifetime and mobility in colloidal quantum dot films via impedance spectroscopy. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	27
86	Solid-State Thin-Film Broadband Short-Wave Infrared Light Emitters. <i>Advanced Materials</i> , 2020, 32, e2003830.	11.1	27
87	Surface Plasmon Polariton Couplers for Light Trapping in Thin-Film Absorbers and Their Application to Colloidal Quantum Dot Optoelectronics. <i>ACS Photonics</i> , 2014, 1, 1197-1205.	3.2	26
88	White and Brightly Colored 3D Printing Based on Resonant Photothermal Sensitizers. <i>Nano Letters</i> , 2018, 18, 6660-6664.	4.5	26
89	Bandgap engineering by cationic disorder: case study on AgBiS ₂ . <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 27940-27944.	1.3	25
90	Absorption Enhancement in Solution Processed Metal-Semiconductor Nanocomposites. <i>Optics Express</i> , 2011, 19, 21038.	1.7	24

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91	Improved electronic coupling in hybrid organic–inorganic nanocomposites employing thiol-functionalized P3HT and bismuth sulfide nanocrystals. <i>Nanoscale</i> , 2014, 6, 10018-10026.	2.8	24
92	Highly transparent and conductive ITO substrates for near infrared applications. <i>APL Materials</i> , 2021, 9, .	2.2	24
93	Au–Cu alloy bridged synthesis and optoelectronic properties of Au@CuInSe ₂ core–shell hybrid nanostructures. <i>Journal of Materials Chemistry</i> , 2012, 22, 1765-1769.	6.7	23
94	Highly Efficient, Bright, and Stable Colloidal Quantum Dot Short-Wave Infrared Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2020, 30, 2004445.	7.8	23
95	Low-temperature colloidal synthesis of CuBiS ₂ nanocrystals for optoelectronic devices. <i>Journal of Materials Chemistry A</i> , 2017, 5, 24621-24625.	5.2	20
96	Electrical effects of metal nanoparticles embedded in ultra-thin colloidal quantum dot films. <i>Applied Physics Letters</i> , 2012, 101, 041103.	1.5	19
97	On-Demand Activation of Photochromic Nanoheaters for High Color Purity 3D Printing. <i>Nano Letters</i> , 2020, 20, 3485-3491.	4.5	18
98	Hybrid 2D–QD MoS ₂ –PbSe Quantum Dot Broadband Photodetectors with High Sensitivity and Room-Temperature Operation at 2.5 Åµm. <i>Advanced Optical Materials</i> , 2021, 9, 2101378.	3.6	18
99	Low-Temperature, Solution-Based Sulfurization and Necking of PbS CQD Films. <i>Journal of Physical Chemistry C</i> , 2016, 120, 20315-20322.	1.5	17
100	Ag ₂ ZnSnS ₄ Nanocrystals Expand the Availability of RoHS Compliant Colloidal Quantum Dots. <i>Chemistry of Materials</i> , 2020, 32, 2148-2155.	3.2	17
101	Visible-Blind ZnMgO Colloidal Quantum Dot Downconverters Expand Silicon CMOS Sensors Spectral Coverage into Ultraviolet and Enable UV-Band Discrimination. <i>Advanced Materials</i> , 2022, 34, e2109498.	11.1	17
102	Origin of the Below-Bandgap Turn-On Voltage in Light-Emitting Diodes and the High V_{OC} in Solar Cells Comprising Colloidal Quantum Dots with an Engineered Density of States. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3029-3034.	2.1	16
103	Colloidal synthesis of lead-free Cs ₂ TiBr ₆ perovskite nanocrystals. <i>Journal of Materials Chemistry C</i> , 2021, 9, 11098-11103.	2.7	16
104	Coupling Resonant Modes of Embedded Dielectric Microspheres in Solution-Processed Solar Cells. <i>Advanced Optical Materials</i> , 2013, 1, 139-143.	3.6	15
105	Metal-insulator-semiconductor heterostructures for plasmonic hot-carrier optoelectronics. <i>Optics Express</i> , 2015, 23, 14715.	1.7	15
106	Aliovalent Doping in Colloidal Quantum Dots and Its Manifestation on Their Optical Properties: Surface Attachment versus Structural Incorporation. <i>Chemistry of Materials</i> , 2016, 28, 5384-5393.	3.2	15
107	Matildite Contact with Media: First-Principles Study of AgBiS ₂ Surfaces and Nanoparticle Morphology. <i>Journal of Physical Chemistry B</i> , 2018, 122, 521-526.	1.2	15
108	Low-Threshold, Highly Stable Colloidal Quantum Dot Short-Wave Infrared Laser enabled by Suppression of Trap-Assisted Auger Recombination. <i>Advanced Materials</i> , 2022, 34, e2107532.	11.1	15

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109	Colloidal Quantum Dot Light Emitting Diodes at Telecom Wavelength with 18% Quantum Efficiency and Over 1ÅMHz Bandwidth. <i>Advanced Science</i> , 2022, 9, e2200637.	5.6	15
110	Colloidal synthesis of Cu ₂ SnSe ₃ nanocrystals with structure induced shape evolution. <i>CrystEngComm</i> , 2016, 18, 3161-3169.	1.3	14
111	Mixed AgBiS ₂ nanocrystals for photovoltaics and photodetectors. <i>Nanoscale</i> , 2022, 14, 4987-4993.	2.8	14
112	Exciton capture by nanocrystals in a polymer matrix. <i>Journal of Applied Physics</i> , 2003, 94, 4066-4069.	1.1	13
113	AgBiSe ₂ Colloidal Nanocrystals for Use in Solar Cells. <i>ACS Applied Nano Materials</i> , 2021, 4, 2887-2894.	2.4	13
114	Environmentally Friendly AgBiS ₂ Nanocrystal Inks for Efficient Solar Cells Employing Green Solvent Processing. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	13
115	Ultra-thin Infrared Optical Gain Medium and Optically Pumped Stimulated Emission in PbS Colloidal Quantum Dot LEDs. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	11
116	Plasmonic Schottky Nanojunctions for Tailoring the Photogeneration Profile in Thin Film Solar Cells. <i>Advanced Optical Materials</i> , 2014, 2, 493-500.	3.6	10
117	Highly efficient, ultrathin, Cd-free kesterite solar cells in superstrate configuration enabled by band level tuning via Ag incorporation. <i>Nano Energy</i> , 2022, 94, 106898.	8.2	10
118	Ag ₂ ZnSnS ₄ "ZnS core-shell colloidal quantum dots: a near-infrared luminescent material based on environmentally friendly elements. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5682-5688.	2.7	9
119	Resonance energy transfer from PbS colloidal quantum dots to bulk silicon: the road to hybrid photovoltaics. , 2012, , .		7
120	Optical gain and lasing in colloidal quantum dots. , 2013, , 199-232.		5
121	Colloidal Quantum Dot Image Sensors: Technology and Marketplace Opportunities. <i>Information Display</i> , 2021, 37, 18-23.	0.1	5
122	Solution-processed PbS quantum dot infrared photodetectors and photovoltaics. , 2010, , 70-74.		4
123	Colloidal quantum dot photodetectors. , 2013, , 173-198.		4
124	Spectroscopic evidence of resonance energy transfer mechanism from PbS QDs to bulk silicon. <i>EPJ Web of Conferences</i> , 2013, 54, 01017.	0.1	4
125	Engineering colloidal quantum dots. , 2013, , 1-29.		2
126	Multiple exciton generation in semiconductor quantum dots and electronically coupled quantum dot arrays for application to thirdgeneration photovoltaic solar cells. , 2013, , 112-147.		2

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127	Cation Disorder and Local Structural Distortions in Ag _x Bi _{1-x} S ₂ Nanoparticles. <i>Nanomaterials</i> , 2020, 10, 316.	1.9	2
128	Microresonators: Coupling Resonant Modes of Embedded Dielectric Microspheres in Solution-Processed Solar Cells (Advanced Optical Materials 2/2013). <i>Advanced Optical Materials</i> , 2013, 1, 194-194.	3.6	1
129	Charge and energy transfer in polymer/nanocrystal blends. , 0, , 87-111.		1
130	Depleted-Heterojunction Colloidal Quantum Dot Solar Cells Employing Low-Cost Metal Contacts. , 2010, , .		1
131	Two-color size-tunable [1100 - 1600 nm] quantum dot nanocrystal electroluminescent devices. , 0, , .		0
132	Solution-processed infrared quantum dot solar cells. , 0, , 256-291.		0
133	Semiconductor quantum dot sensitized TiO ₂ mesoporous solar cells. , 0, , 292-309.		0
134	66â€¢5: <i>Invited Paper:</i> Colloidal Quantum Dots: A Material Platform for Highly Sensitive Photodetectors and High Quantum Efficiency Light Emitters in the SWIR. Digest of Technical Papers SID International Symposium, 2021, 52, 991-994.	0.1	0