Sjoerd H Hoogland

List of Publications by Year
in descending order

150 papers	28,888 citations	12303 69 h-index	9073 144 g-index
152 all docs	152 docs citations	152 times ranked	21710 citing authors

#	Article	IF	Citations
1	Low trap-state density and long carrier diffusion in organolead trihalide perovskite single crystals. Science, 2015, 347, 519-522.	6.0	4,156
2	Efficient and stable solution-processed planar perovskite solar cells via contact passivation. Science, 2017, 355, 722-726.	6.0	2,019
3	Perovskite energy funnels for efficient light-emitting diodes. Nature Nanotechnology, 2016, 11, 872-877.	15.6	1,868
4	Ultrasensitive solution-cast quantum dot photodetectors. Nature, 2006, 442, 180-183.	13.7	1,634
5	Colloidal-quantum-dot photovoltaics using atomic-ligand passivation. Nature Materials, 2011, 10, 765-771.	13.3	1,375
6	Ligand-Stabilized Reduced-Dimensionality Perovskites. Journal of the American Chemical Society, 2016, 138, 2649-2655.	6.6	1,157
7	Hybrid passivated colloidal quantum dot solids. Nature Nanotechnology, 2012, 7, 577-582.	15.6	1,100
8	Planar-integrated single-crystalline perovskite photodetectors. Nature Communications, 2015, 6, 8724.	5.8	617
9	Hybrid organicâ€“inorganic inks flatten the energy landscape in colloidal quantum dotÂsolids. Nature Materials, 2017, 16, 258-263.	13.3	563
10	Bipolar-shell resurfacing for blue LEDs based on strongly confined perovskite quantum dots. Nature Nanotechnology, 2020, 15, 668-674.	15.6	541
11	Air-stable n-type colloidal quantum dot solids. Nature Materials, 2014, 13, 822-828.	13.3	529
12	Fast, sensitive and spectrally tuneable colloidal-quantum-dot photodetectors. Nature Nanotechnology, 2009, 4, 40-44.	15.6	475
13	Quantum-dot-in-perovskite solids. Nature, 2015, 523, 324-328.	13.7	468
14	Spin control in reduced-dimensional chiral perovskites. Nature Photonics, 2018, 12, 528-533.	15.6	371
15	Tandem colloidal quantum dot solar cells employing a graded recombination layer. Nature Photonics, 2011, 5, 480-484.	15.6	367
16	Amineâ€Free Synthesis of Cesium Lead Halide Perovskite Quantum Dots for Efficient Lightâ€Emitting Diodes. Advanced Functional Materials, 2016, 26, 8757-8763.	7.8	344
17	Conformal Organohalide Perovskites Enable Lasing on Spherical Resonators. ACS Nano, 2014, 8, 10947-10952.	7.3	330
18	Continuous-wave lasing in colloidal quantum dot solids enabled by facet-selective epitaxy. Nature, 2017, 544, 75-79.	13.7	319

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19	10.6% Certified Colloidal Quantum Dot Solar Cells via Solvent-Polarity-Engineered Halide Passivation. Nano Letters, 2016, 16, 4630-4634.	4.5	312
20	Passivation Using Molecular Halides Increases Quantum Dot Solar Cell Performance. Advanced Materials, 2016, 28, 299-304.	11.1	312
21	Bright colloidal quantum dot light-emitting diodes enabled by efficient chlorination. Nature Photonics, 2018, 12, 159-164.	15.6	303
22	Two-Photon Absorption in Organometallic Bromide Perovskites. ACS Nano, 2015, 9, 9340-9346.	7.3	254
23	2D matrix engineering for homogeneous quantum dot coupling in photovoltaic solids. Nature Nanotechnology, 2018, 13, 456-462.	15.6	252
24	Enhanced Mobility-Lifetime Products in PbS Colloidal Quantum Dot Photovoltaics. ACS Nano, 2012, 6, 89-99.	7.3	244
25	DNA-based programming of quantum dot valency, self-assembly and luminescence. Nature Nanotechnology, 2011, 6, 485-490.	15.6	237
26	Quantum-size-tuned heterostructures enable efficient and stable inverted perovskite solar cells. Nature Photonics, 2022, 16, 352-358.	15.6	233
27	Engineering colloidal quantum dot solids within and beyond the mobility-invariant regime. Nature Communications, 2014, 5, 3803.	5.8	214
28	Lattice anchoring stabilizes solution-processed semiconductors. Nature, 2019, 570, 96-101.	13.7	208
29	A Charge-Orbital Balance Picture of Doping in Colloidal Quantum Dot Solids. ACS Nano, 2012, 6, 8448-8455.	7.3	206
30	Perovskite Thin Films via Atomic Layer Deposition. Advanced Materials, 2015, 27, 53-58.	11.1	204
31	Sub-500-fs soliton-like pulse in a passively mode-locked broadband surface-emitting laser with 100 mW average power. Applied Physics Letters, 2002, 80, 3892-3894.	1.5	202
32	High-Efficiency Colloidal Quantum Dot Photovoltaics via Robust Self-Assembled Monolayers. Nano Letters, 2015, 15, 7691-7696.	4.5	198
33	Allâ€Inorganic Colloidal Quantum Dot Photovoltaics Employing Solutionâ€Phase Halide Passivation. Advanced Materials, 2012, 24, 6295-6299.	11.1	197
34	Quantum Junction Solar Cells. Nano Letters, 2012, 12, 4889-4894.	4.5	196
35	Passively mode-locked diode-pumped surface-emitting semiconductor laser. IEEE Photonics Technology Letters, 2000, 12, 1135-1137.	1.3	191
36	Efficient Biexciton Interaction in Perovskite Quantum Dots Under Weak and Strong Confinement. ACS Nano, 2016, 10, 8603-8609.	7.3	190

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37	The Inâ€Gap Electronic State Spectrum of Methylammonium Lead Iodide Singleâ€Crystal Perovskites. Advanced Materials, 2016, 28, 3406-3410.	11.1	187
38	Nâ€Type Colloidalâ€Quantumâ€Dot Solids for Photovoltaics. Advanced Materials, 2012, 24, 6181-6185.	11.1	181
39	Cascade surface modification of colloidal quantum dot inks enables efficient bulk homojunction photovoltaics. Nature Communications, 2020, 11, 103.	5.8	181
40	Enhanced optical path and electron diffusion length enable high-efficiency perovskite tandems. Nature Communications, 2020, 11, 1257.	5.8	180
41	Measuring Charge Carrier Diffusion in Coupled Colloidal Quantum Dot Solids. ACS Nano, 2013, 7, 5282-5290.	7.3	178
42	Vertical-external-cavity semiconductor lasers. Journal Physics D: Applied Physics, 2004, 37, R75-R85.	1.3	169
43	Graded Doping for Enhanced Colloidal Quantum Dot Photovoltaics. Advanced Materials, 2013, 25, 1719-1723.	11.1	164
44	Efficient Schottky-quantum-dot photovoltaics: The roles of depletion, drift, and diffusion. Applied Physics Letters, 2008, 92, .	1.5	155
45	Extended cavity surface-emitting semiconductor lasers. Progress in Quantum Electronics, 2006, 30, 1-43.	3.5	150
46	Mixed-quantum-dot solar cells. Nature Communications, 2017, 8, 1325.	5.8	148
47	High Color Purity Leadâ€Free Perovskite Lightâ€Emitting Diodes via Sn Stabilization. Advanced Science, 2020, 7, 1903213.	5.6	146
48	High-Performance Perovskite Single-Junction and Textured Perovskite/Silicon Tandem Solar Cells via Slot-Die-Coating. ACS Energy Letters, 2020, 5, 3034-3040.	8.8	134
49	A solution-processed 1.53 Î¼m quantum dot laser with temperature-invariant emission wavelength. Optics Express, 2006, 14, 3273.	1.7	127
50	Chloride Passivation of ZnO Electrodes Improves Charge Extraction in Colloidal Quantum Dot Photovoltaics. Advanced Materials, 2017, 29, 1702350.	11.1	126
51	Soliton-like pulse-shaping mechanism in passively mode-locked surface-emitting semiconductor lasers. Applied Physics B: Lasers and Optics, 2002, 75, 445-451.	1.1	125
52	Doubleâ€Sided Junctions Enable Highâ€Performance Colloidalâ€Quantumâ€Dot Photovoltaics. Advanced Materials, 2016, 28, 4142-4148.	11.1	121
53	Efficient hybrid colloidal quantum dot/organic solar cells mediated by near-infrared sensitizing small molecules. Nature Energy, 2019, 4, 969-976.	19.8	120
54	Interface Recombination in Depleted Heterojunction Photovoltaics based on Colloidal Quantum Dots. Advanced Energy Materials, 2013, 3, 917-922.	10.2	117

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55	The Donorâ€“Supply Electrode Enhances Performance in Colloidal Quantum Dot Solar Cells. ACS Nano, 2013, 7, 6111-6116.	7.3	113
56	Microsecond-sustained lasing from colloidal quantum dot solids. Nature Communications, 2015, 6, 8694.	5.8	109
57	Selfâ€Assembled, Nanowire Network Electrodes for Depleted Bulk Heterojunction Solar Cells. Advanced Materials, 2013, 25, 1769-1773.	11.1	102
58	Directly Deposited Quantum Dot Solids Using a Colloidally Stable Nanoparticle Ink. Advanced Materials, 2013, 25, 5742-5749.	11.1	99
59	Stable Colloidal Quantum Dot Inks Enable Inkjet-Printed High-Sensitivity Infrared Photodetectors. ACS Nano, 2019, 13, 11988-11995.	7.3	99
60	Infrared Colloidal Quantum Dot Photovoltaics <i>via</i> Coupling Enhancement and Agglomeration Suppression. ACS Nano, 2015, 9, 8833-8842.	7.3	96
61	Bright and Stable Light-Emitting Diodes Based on Perovskite Quantum Dots in Perovskite Matrix. Journal of the American Chemical Society, 2021, 143, 15606-15615.	6.6	94
62	Jointly Tuned Plasmonicâ€“Excitonic Photovoltaics Using Nanoshells. Nano Letters, 2013, 13, 1502-1508.	4.5	93
63	A Facetâ€Specific Quantum Dot Passivation Strategy for Colloid Management and Efficient Infrared Photovoltaics. Advanced Materials, 2019, 31, e1805580.	11.1	87
64	Field-emission from quantum-dot-in-perovskite solids. Nature Communications, 2017, 8, 14757.	5.8	83
65	Mixed Lead Halide Passivation of Quantum Dots. Advanced Materials, 2019, 31, e1904304.	11.1	81
66	Pseudohalideâ€Exchanged Quantum Dot Solids Achieve Record Quantum Efficiency in Infrared Photovoltaics. Advanced Materials, 2017, 29, 1700749.	11.1	79
67	Multiple Self-Trapped Emissions in the Lead-Free Halide Cs₃Cu₂I₅. Journal of Physical Chemistry Letters, 2020, 11, 4326-4330.	2.1	79
68	Photojunction Field-Effect Transistor Based on a Colloidal Quantum Dot Absorber Channel Layer. ACS Nano, 2015, 9, 356-362.	7.3	73
69	Broadband solar absorption enhancement via periodic nanostructuring of electrodes. Scientific Reports, 2013, 3, 2928.	1.6	69
70	Single-step fabrication of quantum funnels via centrifugal colloidal casting of nanoparticle films. Nature Communications, 2015, 6, 7772.	5.8	68
71	Butylamineâ€Catalyzed Synthesis of Nanocrystal Inks Enables Efficient Infrared CQD Solar Cells. Advanced Materials, 2018, 30, e1803830.	11.1	67
72	Quantum Dot-Plasmon Lasing with Controlled Polarization Patterns. ACS Nano, 2020, 14, 3426-3433.	7.3	66

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73	10-GHz train of sub-500-fs optical soliton-like pulses from a surface-emitting semiconductor laser. IEEE Photonics Technology Letters, 2005, 17, 267-269.	1.3	63
74	All-Quantum-Dot Infrared Light-Emitting Diodes. ACS Nano, 2015, 9, 12327-12333.	7.3	61
75	A Chemically Orthogonal Hole Transport Layer for Efficient Colloidal Quantum Dot Solar Cells. Advanced Materials, 2020, 32, e1906199.	11.1	59
76	Activated Electronâ€Transport Layers for Infrared Quantum Dot Optoelectronics. Advanced Materials, 2018, 30, e1801720.	11.1	57
77	Acid-Assisted Ligand Exchange Enhances Coupling in Colloidal Quantum Dot Solids. Nano Letters, 2018, 18, 4417-4423.	4.5	57
78	ZnFe₂O₄ Leaves Grown on TiO₂ Trees Enhance Photoelectrochemical Water Splitting. Small, 2016, 12, 3181-3188.	5.2	56
79	Multibandgap quantum dot ensembles for solar-matched infrared energy harvesting. Nature Communications, 2018, 9, 4003.	5.8	56
80	A Tuned Alternating Dâ€“A Copolymer Holeâ€Transport Layer Enables Colloidal Quantum Dot Solar Cells with Superior Fill Factor and Efficiency. Advanced Materials, 2020, 32, e2004985.	11.1	56
81	Controlled Steric Hindrance Enables Efficient Ligand Exchange for Stable, Infrared-Bandgap Quantum Dot Inks. ACS Energy Letters, 2019, 4, 1225-1230.	8.8	54
82	Systematic optimization of quantum junction colloidal quantum dot solar cells. Applied Physics Letters, 2012, 101, 151112.	1.5	52
83	Single-step colloidal quantum dot films for infrared solar harvesting. Applied Physics Letters, 2016, 109, .	1.5	52
84	Atomistic Design of CdSe/CdS Coreâ€“Shell Quantum Dots with Suppressed Auger Recombination. Nano Letters, 2016, 16, 6491-6496.	4.5	51
85	Picosecond Charge Transfer and Long Carrier Diffusion Lengths in Colloidal Quantum Dot Solids. Nano Letters, 2018, 18, 7052-7059.	4.5	51
86	Nanostructured Back Reflectors for Efficient Colloidal Quantumâ€Dot Infrared Optoelectronics. Advanced Materials, 2019, 31, e1901745.	11.1	49
87	Orthogonal colloidal quantum dot inks enable efficient multilayer optoelectronic devices. Nature Communications, 2020, 11, 4814.	5.8	48
88	Engineering Directionality in Quantum Dot Shell Lasing Using Plasmonic Lattices. Nano Letters, 2020, 20, 1468-1474.	4.5	48
89	Stabilizing Surface Passivation Enables Stable Operation of Colloidal Quantum Dot Photovoltaic Devices at Maximum Power Point in an Air Ambient. Advanced Materials, 2020, 32, e1906497.	11.1	47
90	Micron Thick Colloidal Quantum Dot Solids. Nano Letters, 2020, 20, 5284-5291.	4.5	47

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91	Nanoimprint-Transfer-Patterned Solids Enhance Light Absorption in Colloidal Quantum Dot Solar Cells. Nano Letters, 2017, 17, 2349-2353.	4.5	46
92	Ligand-Assisted Reconstruction of Colloidal Quantum Dots Decreases Trap State Density. Nano Letters, 2020, 20, 3694-3702.	4.5	46
93	Molecular Doping of the Hole-Transporting Layer for Efficient, Single-Step-Deposited Colloidal Quantum Dot Photovoltaics. ACS Energy Letters, 2017, 2, 1952-1959.	8.8	45
94	Electroâ€Optic Modulation in Hybrid Metal Halide Perovskites. Advanced Materials, 2019, 31, e1808336.	11.1	42
95	Facetâ€Oriented Coupling Enables Fast and Sensitive Colloidal Quantum Dot Photodetectors. Advanced Materials, 2021, 33, e2101056.	11.1	42
96	Carrier Relaxation Dynamics in Lead Sulfide Colloidal Quantum Dots. Journal of Physical Chemistry B, 2008, 112, 2757-2760.	1.2	41
97	Hybrid Tandem Quantum Dot/Organic Solar Cells with Enhanced Photocurrent and Efficiency via Ink and Interlayer Engineering. ACS Energy Letters, 2018, 3, 1307-1314.	8.8	40
98	Enhanced Solarâ€toâ€Hydrogen Generation with Broadband Epsilonâ€Nearâ€Zero Nanostructured Photocatalysts. Advanced Materials, 2017, 29, 1701165.	11.1	39
99	Rigid Conjugated Diamine Templates for Stable Dionâ€"Jacobson-Type Two-Dimensional Perovskites. Journal of the American Chemical Society, 2021, 143, 19901-19908.	6.6	39
100	Design of Phosphor White Light Systems for High-Power Applications. ACS Photonics, 2016, 3, 2243-2248.	3.2	37
101	Imbalanced charge carrier mobility and Schottky junction induced anomalous current-voltage characteristics of excitonic PbS colloidal quantum dot solar cells. Solar Energy Materials and Solar Cells, 2016, 155, 155-165.	3.0	37
102	Halide Re-Shelled Quantum Dot Inks for Infrared Photovoltaics. ACS Applied Materials & Interfaces, 2017, 9, 37536-37541.	4.0	35
103	Electronically Active Impurities in Colloidal Quantum Dot Solids. ACS Nano, 2014, 8, 11763-11769.	7.3	32
104	Control Over Ligand Exchange Reactivity in Hole Transport Layer Enables High-Efficiency Colloidal Quantum Dot Solar Cells. ACS Energy Letters, 2021, 6, 468-476.	8.8	32
105	Picosecond pulse generation with 1.5â€...[micro sign]m passively modelocked surface-emitting semiconductor laser. Electronics Letters, 2003, 39, 846.	0.5	30
106	Joint Mapping of Mobility and Trap Density in Colloidal Quantum Dot Solids. ACS Nano, 2013, 7, 5757-5762.	7.3	30
107	Quantum Dots in Two-Dimensional Perovskite Matrices for Efficient Near-Infrared Light Emission. ACS Photonics, 2017, 4, 830-836.	3.2	30
108	Deepâ€Blue Perovskite Singleâ€Mode Lasing through Efficient Vaporâ€Assisted Chlorination. Advanced Materials, 2021, 33, e2006697.	11.1	30

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109	Exciton Lifetime Broadening and Distribution Profiles of PbS Colloidal Quantum Dot Thin Films Using Frequency- and Temperature-Scanned Photocarrier Radiometry. Journal of Physical Chemistry C, 2013, 117, 23333-23348.	1.5	29
110	Quantum Dot Selfâ€Assembly Enables Lowâ€Threshold Lasing. Advanced Science, 2021, 8, e2101125.	5.6	28
111	Gain bandwidth characterization of surface-emitting quantum well laser gain structures for femtosecond operation. Optics Express, 2010, 18, 21330.	1.7	27
112	Optical Resonance Engineering for Infrared Colloidal Quantum Dot Photovoltaics. ACS Energy Letters, 2016, 1, 852-857.	8.8	27
113	Quantitative Analysis of Trap-State-Mediated Exciton Transport in Perovskite-Shelled PbS Quantum Dot Thin Films Using Photocarrier Diffusion-Wave Nondestructive Evaluation and Imaging. Journal of Physical Chemistry C, 2016, 120, 14416-14427.	1.5	26
114	Spatial Collection in Colloidal Quantum Dot Solar Cells. Advanced Functional Materials, 2020, 30, 1908200.	7.8	24
115	Hybrid tandem quantum dot/organic photovoltaic cells with complementary near infrared absorption. Applied Physics Letters, 2017, 110, 223903.	1.5	23
116	Efficient and Stable Colloidal Quantum Dot Solar Cells with a Greenâ€Solvent Holeâ€Transport Layer. Advanced Energy Materials, 2020, 10, 2002084.	10.2	23
117	Quantum beats due to excitonic ground-state splitting in colloidal quantum dots. Physical Review B, 2012, 86, .	1.1	22
118	Structural Distortion and Bandgap Increase of Two-Dimensional Perovskites Induced by Trifluoromethyl Substitution on Spacer Cations. Journal of Physical Chemistry Letters, 2020, 11, 10144-10149.	2.1	22
119	Colloidal Quantum Dot Bulk Heterojunction Solids with Nearâ€Unity Charge Extraction Efficiency. Advanced Science, 2020, 7, 2000894.	5.6	22
120	Folded-Light-Path Colloidal Quantum Dot Solar Cells. Scientific Reports, 2013, 3, 2166.	1.6	21
121	Controlled Crystal Plane Orientations in the ZnO Transport Layer Enable Highâ€Responsivity, Lowâ€Darkâ€Current Infrared Photodetectors. Advanced Materials, 2022, 34, e2200321.	11.1	21
122	Infrared Cavity-Enhanced Colloidal Quantum Dot Photovoltaics Employing Asymmetric Multilayer Electrodes. ACS Energy Letters, 2018, 3, 2908-2913.	8.8	20
123	Linear Electroâ€Optic Modulation in Highly Polarizable Organic Perovskites. Advanced Materials, 2021, 33, e2006368.	11.1	20
124	Photocurrent extraction efficiency in colloidal quantum dot photovoltaics. Applied Physics Letters, 2013, 103, .	1.5	19
125	A tunable colloidal quantum dot photo field-effect transistor. Applied Physics Letters, 2011, 99, .	1.5	18
126	Narrow Emission from Rb₃Sb₂I₉ Nanoparticles. Advanced Optical Materials, 2020, 8, 1901606.	3.6	18

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127	Quantum Dot Color-Converting Solids Operating Efficiently in the kW/cm² Regime. Chemistry of Materials, 2017, 29, 5104-5112.	3.2	17
128	Megahertz-frequency large-area optical modulators at 1.55 Î¼m based on solution-cast colloidal quantum dots. Optics Express, 2008, 16, 6683.	1.7	16
129	Monolithic Organic/Colloidal Quantum Dot Hybrid Tandem Solar Cells via Buffer Engineering. Advanced Materials, 2020, 32, e2004657.	11.1	16
130	Colloidal Quantum Dot Solar Cell Band Alignment using Two-Step Ionic Doping. , 2020, 2, 1583-1589.		15
131	Suppression of Auger Recombination by Gradient Alloying in InAs/CdSe/CdS QDs. Chemistry of Materials, 2020, 32, 7703-7709.	3.2	15
132	Single-Precursor Intermediate Shelling Enables Bright, Narrow Line Width InAs/InZnP-Based QD Emitters. Chemistry of Materials, 2020, 32, 2919-2925.	3.2	13
133	Electro-Optic Modulation Using Metal-Free Perovskites. ACS Applied Materials & Interfaces, 2021, 13, 19042-19047.	4.0	12
134	Gradient-Doped Colloidal Quantum Dot Solids Enable Thermophotovoltaic Harvesting of Waste Heat. ACS Energy Letters, 2016, 1, 740-746.	8.8	8
135	Temperature-Induced Self-Compensating Defect Traps and Gain Thresholds in Colloidal Quantum Dots. ACS Nano, 2019, 13, 8970-8976.	7.3	8
136	InP-Quantum-Dot-in-ZnS-Matrix Solids for Thermal and Air Stability. Chemistry of Materials, 2020, 32, 9584-9590.	3.2	8
137	Study of Exciton Hopping Transport in PbS Colloidal Quantum Dot Thin Films Using Frequency- and Temperature-Scanned Photocarrier Radiometry. International Journal of Thermophysics, 2017, 38, 1.	1.0	7
138	The Impact of Ion Migration on the Electroâ€Optic Effect in Hybrid Organicâ€"Inorganic Perovskites. Advanced Functional Materials, 2022, 32, 2107939.	7.8	7
139	Optical Generation and Transport of Charges in Iron Pyrite Nanocrystal Films and Subsequent Injection into SnO₂. Journal of Physical Chemistry C, 2016, 120, 22155-22162.	1.5	6
140	Selfâ€Aligned Nonâ€Centrosymmetric Conjugated Molecules Enable Electroâ€Optic Perovskites. Advanced Optical Materials, 0, , 2100730.	3.6	6
141	Continuous-Wave Operation of Monolithically Grown 1.5-Î¼m Optically Pumped Vertical-External-Cavity Surface-Emitting Lasers. Applied Optics, 2003, 42, 6678.	2.1	5
142	Self-Assembled, Nanowire Network Electrodes for Depleted Bulk Heterojunction Solar Cells (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	11.1	5
143	Optical gain and lasing in colloidal quantum dots. , 2013, , 199-232.		5
144	Atomic layer deposition of absorbing thin films on nanostructured electrodes for short-wavelength infrared photosensing. Applied Physics Letters, 2015, 107, .	1.5	5

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145	Physical, electrical, and optical properties of SF-PECVD-grown hydrogenated microcrystalline silicon with growth surface electrical bias. Journal of Materials Science: Materials in Electronics, 2006, 17, 789-799.	1.1	3
146	Reply to: Perovskite decomposition and missing crystal planes in HRTEM. Nature, 2021, 594, E8-E9.	13.7	2
147	Ultrafast carrier dynamics in PbS quantum dots. , 2008, , .		0
148	Spectrotemporal gain bandwidth measurement in an InGaAs/GaAsP quantum well vertical-external-cavity surface-emitting semiconductor laser. , 2008, , .		0
149	Inorganic passivation and doping control in colloidal quantum dot photovoltaics. , 2012, , .		0
150	Colloidal quantum dot surface engineering for high performance optoelectronic devices. , 2015, , .		0