Guangda Niu

List of Publications by Year in Descending Order

145 papers	13,447 citations	55 h-index	115 g-index
149 ext. papers	16,299 ext. citations	12 avg, IF	6.87 L-index

#	Paper	IF	Citations
145	Lead-Free Zero-Dimensional Organic-Copper(I) Halides as Stable and Sensitive X-ray Scintillators.. *ACS Applied Materials & Interfaces*, **2022**,	9.5	7
144	Chemical Potential Diagram-Guided Rational Tuning of Electrical Properties: A Case Study of CsPbBr for X-ray Detection.. *Advanced Materials*, **2022**, e2110252	24	8
143	Vertical matrix perovskite X-ray detector for effective multi-energy discrimination.. *Light: Science and Applications*, **2022**, 11, 105	16.7	4
142	Template directed perovskite X-ray detectors towards low ionic migration and low interpixel cross talking. *Fundamental Research*, **2021**, 2, 108-108		1
141	Embedding Cs3Cu2I5 Scintillators into Anodic Aluminum Oxide Matrix for High-Resolution X-Ray Imaging. *Advanced Optical Materials*, **2021**, 9, 2101194	8.1	9
140	Tailoring the electron and hole dimensionality to achieve efficient and stable metal halide perovskite scintillators. *Nanophotonics*, **2021**, 10, 2249-2256	6.3	3
139	Sb2Se3 film with grain size over 10 μm toward X-ray detection. *Frontiers of Optoelectronics*, **2021**, 14, 341	2.8	4
138	Ultrastable Perovskite Nanocrystals in All-Inorganic Transparent Matrix for High-Speed Underwater Wireless Optical Communication. *Advanced Optical Materials*, **2021**, 9, 2002239	8.1	9
137	Ultrabright and Highly Efficient All-Inorganic Zero-Dimensional Perovskite Scintillators. *Advanced Optical Materials*, **2021**, 9, 2100460	8.1	29
136	Towards Efficient Hardware Implementation of NTT for Kyber on FPGAs **2021**,		5
135	Efficient Dual-Band White-Light Emission with High Color Rendering from Zero-Dimensional Organic Copper Iodide. *ACS Applied Materials & Interfaces*, **2021**, 13, 22749-22756	9.5	22
134	Lead halide perovskite for efficient optoacoustic conversion and application toward high-resolution ultrasound imaging. *Nature Communications*, **2021**, 12, 3348	17.4	42
133	Highly Luminescent Zero-Dimensional Organic Copper Halides for X-ray Scintillation. *Journal of Physical Chemistry Letters*, **2021**, 12, 6919-6926	6.4	25
132	Efficient Infrared Solar Cells Employing Quantum Dot Solids with Strong Inter-Dot Coupling and Efficient Passivation. *Advanced Functional Materials*, **2021**, 31, 2006864	15.6	6
131	Metal Halide Scintillators with Fast and Self-Absorption-Free Defect-Bound Excitonic Radioluminescence for Dynamic X-Ray Imaging. *Advanced Functional Materials*, **2021**, 31, 2007921	15.6	35
130	Metal Halide Perovskites for X-Ray Detection and Imaging. *Matter*, **2021**, 4, 144-163	12.7	71
129	Lead-free halide perovskites: a review of the structure–property relationship and applications in light emitting devices and radiation detectors. *Journal of Materials Chemistry A*, **2021**, 9, 11931-11943	13	8

128	Lead-free halide perovskite Cs3Bi2Br9 single crystals for high-performance X-ray detection. *Science China Materials*, **2021**, 64, 1427-1436	7.1	15
127	Oriented-Structured CsCuI Film by Close-Space Sublimation and Nanoscale Seed Screening for High-Resolution X-ray Imaging. *Nano Letters*, **2021**, 21, 1392-1399	11.5	37
126	Efficient Blue Light Emitting Diodes Based On Europium Halide Perovskites. *Advanced Materials*, **2021**, 33, e2101903	24	27
125	Decreasing Structural Dimensionality of Double Perovskites for Phase Stabilization toward Efficient X-ray Detection.. *ACS Applied Materials & Interfaces*, **2021**, 13, 61447-61453	9.5	4
124	Unveiling the Structural Descriptor of A3B2X9 Perovskite Derivatives toward X-Ray Detectors with Low Detection Limit and High Stability. *Advanced Functional Materials*, **2020**, 30, 1910648	15.6	67
123	High-Quality MAPbBr Cuboid Film with Promising Optoelectronic Properties Prepared by a Hot Methylamine Precursor Approach. *ACS Applied Materials & Interfaces*, **2020**, 12, 24498-24504	9.5	8
122	One-Dimensional All-Inorganic K2CuBr3 with Violet Emission as Efficient X-ray Scintillators. *ACS Applied Electronic Materials*, **2020**, 2, 2242-2249	4	30
121	Reversible luminescent humidity chromism of organic-inorganic hybrid PEAMnBr single crystals. *Dalton Transactions*, **2020**, 49, 5662-5668	4.3	30
120	Photophysics in Cs3Cu2X5 (X = Cl, Br, or I): Highly Luminescent Self-Trapped Excitons from Local Structure Symmetrization. *Chemistry of Materials*, **2020**, 32, 3462-3468	9.6	80
119	Lead-Free Perovskite Variant Solid Solutions Cs Sn Te Cl : Bright Luminescence and High Anti-Water Stability. *Advanced Materials*, **2020**, 32, e2002443	24	74
118	All-Inorganic Copper Halide as a Stable and Self-Absorption-Free X-ray Scintillator. *Journal of Physical Chemistry Letters*, **2020**, 11, 1873-1880	6.4	69
117	Two-dimensional perovskites as sensitive strain sensors. *Journal of Materials Chemistry C*, **2020**, 8, 3814-3820	7.1	13
116	Circularly Polarized Luminescence from Chiral Tetranuclear Copper(I) Iodide Clusters. *Journal of Physical Chemistry Letters*, **2020**, 11, 1255-1260	6.4	40
115	High-Efficiency Formamidinium Lead Bromide Perovskite Nanocrystal-Based Light-Emitting Diodes Fabricated via a Surface Defect Self-Passivation Strategy. *Advanced Optical Materials*, **2020**, 8, 1901390	8.1	22
114	Light-emitting diodes based on all-inorganic copper halide perovskite with self-trapped excitons. *Journal of Semiconductors*, **2020**, 41, 052204	2.3	14
113	Bismuth halide perovskite derivatives for direct X-ray detection. *Journal of Materials Chemistry C*, **2020**, 8, 1239-1243	7.1	39
112	Printable CsPbBr perovskite quantum dot ink for coffee ring-free fluorescent microarrays using inkjet printing. *Nanoscale*, **2020**, 12, 2569-2577	7.7	30
111	Efficient PbSe Colloidal Quantum Dot Solar Cells Using SnO as a Buffer Layer. *ACS Applied Materials & Interfaces*, **2020**, 12, 2566-2571	9.5	10

110	A chain-type diamine strategy towards strongly anisotropic triiodide of DMEDA□6. *Science China Materials*, **2020**, 63, 566-574	7.1	3
109	Rubidium Doping to Enhance Carrier Transport in CsPbBr Single Crystals for High-Performance X-Ray Detection. *ACS Applied Materials & Interfaces*, **2020**, 12, 989-996	9.5	47
108	Lead-free violet-emitting K2CuCl3 single crystal with high photoluminescence quantum yield. *Organic Electronics*, **2020**, 86, 105903	3.5	13
107	Spectrally Stable Ultra-Pure Blue Perovskite Light-Emitting Diodes Boosted by Square-Wave Alternating Voltage. *Advanced Optical Materials*, **2020**, 8, 1901094	8.1	23
106	Efficient and Reabsorption-Free Radioluminescence in CsCuI Nanocrystals with Self-Trapped Excitons. *Advanced Science*, **2020**, 7, 2000195	13.6	127
105	Hot-Pressed CsPbBr Quasi-Monocrystalline Film for Sensitive Direct X-ray Detection. *Advanced Materials*, **2019**, 31, e1904405	24	121
104	Elemental Se: fundamentals and its optoelectronic applications. *Journal of Materials Chemistry C*, **2019**, 7, 2199-2206	7.1	26
103	Inorganic antimony halide hybrids with broad yellow emissions. *Science Bulletin*, **2019**, 64, 904-909	10.6	19
102	Controlled Cooling for Synthesis of Cs2AgBiBr6 Single Crystals and Its Application for X-Ray Detection. *Advanced Optical Materials*, **2019**, 7, 1900491	8.1	72
101	Improved SnO2 Electron Transport Layers Solution-Deposited at Near Room Temperature for Rigid or Flexible Perovskite Solar Cells with High Efficiencies. *Advanced Energy Materials*, **2019**, 9, 1900834	21.8	67
100	Antimony doped Cs2SnCl6 with bright and stable emission. *Frontiers of Optoelectronics*, **2019**, 12, 352-364	4.8	62
99	Heteroepitaxial passivation of CsAgBiBr wafers with suppressed ionic migration for X-ray imaging. *Nature Communications*, **2019**, 10, 1989	17.4	134
98	Circularly polarized light detection using chiral hybrid perovskite. *Nature Communications*, **2019**, 10, 1927	17.4	152
97	Controllable Cs FAPbI Single-Crystal Morphology via Rationally Regulating the Diffusion and Collision of Micelles toward High-Performance Photon Detectors. *ACS Applied Materials & Interfaces*, **2019**, 11, 13812-13821	9.5	27
96	In Situ Regulating the Order□Disorder Phase Transition in Cs2AgBiBr6 Single Crystal toward the Application in an X-Ray Detector. *Advanced Functional Materials*, **2019**, 29, 1900234	15.6	81
95	Tailoring electrical property of the low-temperature processed SnO2 for high-performance perovskite solar cells. *Science China Materials*, **2019**, 62, 173-180	7.1	11
94	Lead-Free Halide Perovskites and Perovskite Variants as Phosphors toward Light-Emitting Applications. *ACS Applied Materials & Interfaces*, **2019**, 11, 31575-31584	9.5	71
93	Electrohydrodynamically Printed High-Resolution Full-Color Hybrid Perovskites. *Advanced Functional Materials*, **2019**, 29, 1903294	15.6	47

92	High-Throughput Combinatorial Optimizations of Perovskite Light-Emitting Diodes Based on All-Vacuum Deposition. *Advanced Functional Materials*, **2019**, 29, 1903607	15.6	47
91	Lead-Free Halide Rb CuBr as Sensitive X-Ray Scintillator. *Advanced Materials*, **2019**, 31, e1904711	24	194
90	Self-Trapped Exciton to Dopant Energy Transfer in Rare Earth Doped Lead-Free Double Perovskite. *Advanced Optical Materials*, **2019**, 7, 1901098	8.1	53
89	Tunable Color Temperatures and Efficient White Emission from Cs Ag Na In Bi Cl Double Perovskite Nanocrystals. *Small*, **2019**, 15, e1903496	11	70
88	Broadband emission of double perovskite CsNaAgInBiCl:Mn for single-phosphor white-light-emitting diodes. *Optics Letters*, **2019**, 44, 4757-4760	3	18
87	Coffee ring elimination and crystalline control of electrohydrodynamically printed high-viscosity perovskites. *Journal of Materials Chemistry C*, **2019**, 7, 14867-14873	7.1	13
86	High-Quality Cuboid CH3NH3PbI3 Single Crystals for High Performance X-Ray and Photon Detectors. *Advanced Functional Materials*, **2019**, 29, 1806984	15.6	76
85	A self-powered and high-voltage-isolated organic optical communication system based on triboelectric nanogenerators and solar cells. *Nano Energy*, **2019**, 56, 391-399	17.1	24
84	Oxygen doping in nickel oxide for highly efficient planar perovskite solar cells. *Journal of Materials Chemistry A*, **2018**, 6, 4721-4728	13	45
83	Rare Earth Ion-Doped CsPbBr3 Nanocrystals. *Advanced Optical Materials*, **2018**, 6, 1700864	8.1	87
82	Non-thermal plasma fixing of nitrogen into nitrate: solution for renewable electricity storage?. *Frontiers of Optoelectronics*, **2018**, 11, 92-96	2.8	9
81	CHNHPb Eu I mixed halide perovskite for hybrid solar cells: the impact of divalent europium doping on efficiency and stability.. *RSC Advances*, **2018**, 8, 11095-11101	3.7	33
80	Cs2AgInCl6 Double Perovskite Single Crystals: Parity Forbidden Transitions and Their Application For Sensitive and Fast UV Photodetectors. *ACS Photonics*, **2018**, 5, 398-405	6.3	201
79	CsPbICl, All-Inorganic Two-Dimensional Ruddlesden-Popper Mixed Halide Perovskite with Optoelectronic Response. *Journal of the American Chemical Society*, **2018**, 140, 11085-11090	16.4	110
78	X-ray scintillation in lead-free double perovskite crystals. *Science China Chemistry*, **2018**, 61, 1581-1586	7.9	42
77	Inorganic CsPb1−SnxIBr2 for Efficient Wide-Bandgap Perovskite Solar Cells. *Advanced Energy Materials*, **2018**, 8, 1800525	21.8	154
76	A Droplet-Reactor System Capable of Automation for the Continuous and Scalable Production of Noble-Metal Nanocrystals. *Nano Letters*, **2018**, 18, 3879-3884	11.5	38
75	Surface Passivation of Bismuth-Based Perovskite Variant Quantum Dots To Achieve Efficient Blue Emission. *Nano Letters*, **2018**, 18, 6076-6083	11.5	118

74	Vapor transport deposition of antimony selenide thin film solar cells with 7.6% efficiency. *Nature Communications*, **2018**, 9, 2179	17.4	277
73	Efficient and UV-stable perovskite solar cells enabled by side chain-engineered polymeric hole-transporting layers. *Journal of Materials Chemistry A*, **2018**, 6, 12999-13004	13	36
72	Air-Stable Direct Bandgap Perovskite Semiconductors: All-Inorganic Tin-Based Heteroleptic Halides AxSnClyIz (A = Cs, Rb). *Chemistry of Materials*, **2018**, 30, 4847-4856	9.6	45
71	The role of interface between electron transport layer and perovskite in halogen migration and stabilizing perovskite solar cells with Cs4SnO4. *Journal of Materials Chemistry A*, **2018**, 6, 23797-23804	13	13
70	Aqueous Synthesis of Lead Halide Perovskite Nanocrystals with High Water Stability and Bright Photoluminescence. *ACS Applied Materials & Interfaces*, **2018**, 10, 43915-43922	9.5	39
69	Efficient and stable emission of warm-white light from lead-free halide double perovskites. *Nature*, **2018**, 563, 541-545	50.4	835
68	Photophysical Pathways in Highly Sensitive Cs AgBiBr Double-Perovskite Single-Crystal X-Ray Detectors. *Advanced Materials*, **2018**, 30, e1804450	24	117
67	Flexible Linearly Polarized Photodetectors Based on All-Inorganic Perovskite CsPbI3 Nanowires. *Advanced Optical Materials*, **2018**, 6, 1800679	8.1	53
66	Room-temperature solution-processed amorphous NbOx as an electron transport layer in high-efficiency photovoltaics. *Journal of Materials Chemistry A*, **2018**, 6, 17882-17888	13	15
65	Highly Efficient Blue-Emitting Bi-Doped Cs2SnCl6 Perovskite Variant: Photoluminescence Induced by Impurity Doping. *Advanced Functional Materials*, **2018**, 28, 1801131	15.6	239
64	All-Inorganic Bismuth-Based Perovskite Quantum Dots with Bright Blue Photoluminescence and Excellent Stability. *Advanced Functional Materials*, **2018**, 28, 1704446	15.6	268
63	Direct Evidence of Ion Diffusion for the Silver-Electrode-Induced Thermal Degradation of Inverted Perovskite Solar Cells. *Advanced Energy Materials*, **2017**, 7, 1602922	21.8	192
62	Inorganic CsPbI3 Perovskite-Based Solar Cells: A Choice for a Tandem Device. *Solar Rrl*, **2017**, 1, 1700048	7.1	199
61	Stable 6%-efficient Sb2Se3 solar cells with a ZnO buffer layer. *Nature Energy*, **2017**, 2,	62.3	305
60	Enhancement of thermal stability for perovskite solar cells through cesium doping. *RSC Advances*, **2017**, 7, 17473-17479	3.7	140
59	Cs2AgBiBr6 single-crystal X-ray detectors with a low detection limit. *Nature Photonics*, **2017**, 11, 726-732	33.9	622
58	Improved performance of pure formamidinium lead iodide perovskite light-emitting diodes by moisture treatment. *Journal of Materials Chemistry C*, **2017**, 5, 11121-11127	7.1	7
57	Energetically favored formation of SnO2 nanocrystals as electron transfer layer in perovskite solar cells with high efficiency exceeding 19%. *Nano Energy*, **2017**, 40, 336-344	17.1	124

56	Enhanced efficiency and stability of inverted perovskite solar cells by interfacial engineering with alkyl bisphosphonic molecules. *RSC Advances*, **2017**, 7, 42105-42112	3.7	9
55	Enhanced Moisture Stability of Cesium-Containing Compositional Perovskites by a Feasible Interfacial Engineering. *Advanced Materials Interfaces*, **2017**, 4, 1700598	4.6	49
54	Flexible Filter-Free Narrowband Photodetector with High Gain and Customized Responsive Spectrum. *Advanced Functional Materials*, **2017**, 27, 1702360	15.6	44
53	Rational design of SnO2-based electron transport layer in mesoscopic perovskite solar cells: more kinetically favorable than traditional double-layer architecture. *Science China Materials*, **2017**, 60, 963-976	7.1	10
52	Mixed Cation FAxPEA1−xPbI3 with Enhanced Phase and Ambient Stability toward High-Performance Perovskite Solar Cells. *Advanced Energy Materials*, **2017**, 7, 1601307	21.8	237
51	Stable α-phase junction of formamidinium lead iodide perovskites for enhanced near-infrared emission. *Chemical Science*, **2017**, 8, 800-805	9.4	142
50	High Performance of Perovskite Solar Cells via Catalytic Treatment in Two-Step Process: The Case of Solvent Engineering. *ACS Applied Materials & Interfaces*, **2016**, 8, 30107-30115	9.5	20
49	Low-Temperature-Processed Amorphous Bi2S3 Film as an Inorganic Electron Transport Layer for Perovskite Solar Cells. *ACS Photonics*, **2016**, 3, 2122-2128	6.3	49
48	Lead-Free, Blue Emitting Bismuth Halide Perovskite Quantum Dots. *Angewandte Chemie - International Edition*, **2016**, 55, 15012-15016	16.4	343
47	Passivated Single-Crystalline CHNHPbI Nanowire Photodetector with High Detectivity and Polarization Sensitivity. *Nano Letters*, **2016**, 16, 7446-7454	11.5	246
46	Scalable Synthesis of Palladium Icosahedra in Plug Reactors for the Production of Oxygen Reduction Reaction Catalysts. *ChemCatChem*, **2016**, 8, 1658-1664	5.2	17
45	Insight into the CH3NH3PbI3/C interface in hole-conductor-free mesoscopic perovskite solar cells. *Nanoscale*, **2016**, 8, 14163-70	7.7	19
44	Controlled orientation of perovskite films through mixed cations toward high performance perovskite solar cells. *Nano Energy*, **2016**, 27, 87-94	17.1	102
43	Effect of cesium chloride modification on the film morphology and UV-induced stability of planar perovskite solar cells. *Journal of Materials Chemistry A*, **2016**, 4, 11688-11695	13	84
42	Enhanced UV-light stability of planar heterojunction perovskite solar cells with caesium bromide interface modification. *Energy and Environmental Science*, **2016**, 9, 490-498	35.4	450
41	Scalable Synthesis of Palladium Icosahedra in Plug Reactors for the Production of Oxygen Reduction Reaction Catalysts. *ChemCatChem*, **2016**, 8, 1602-1602	5.2	
40	Synthesis of Pt-Ni Octahedra in Continuous-Flow Droplet Reactors for the Scalable Production of Highly Active Catalysts toward Oxygen Reduction. *Nano Letters*, **2016**, 16, 3850-7	11.5	70
39	High quality perovskite thin films induced by crystal seeds with lead monoxide interfacial engineering. *Journal of Materials Chemistry A*, **2016**, 4, 16913-16919	13	5

38	Efficient n-type dopants with extremely low doping ratios for high performance inverted perovskite solar cells. *Energy and Environmental Science*, **2016**, 9, 3424-3428	35.4	75
37	Progress of interface engineering in perovskite solar cells. *Science China Materials*, **2016**, 59, 728-742	7.1	36
36	Addictive-assisted construction of all-inorganic CsSnIBr2 mesoscopic perovskite solar cells with superior thermal stability up to 473 K. *Journal of Materials Chemistry A*, **2016**, 4, 17104-17110	13	186
35	Enhanced performance in hybrid perovskite solar cell by modification with spinel lithium titanate. *Journal of Materials Chemistry A*, **2015**, 3, 8882-8889	13	19
34	Toward continuous and scalable production of colloidal nanocrystals by switching from batch to droplet reactors. *Chemical Society Reviews*, **2015**, 44, 5806-20	58.5	117
33	Controllable Grain Morphology of Perovskite Absorber Film by Molecular Self-Assembly toward Efficient Solar Cell Exceeding 17%. *Journal of the American Chemical Society*, **2015**, 137, 10399-405	16.4	314
32	Multifunctional MgO Layer in Perovskite Solar Cells. *ChemPhysChem*, **2015**, 16, 1727-32	3.2	60
31	Morphology-controlled CH3NH3PbI3 films by hexane-assisted one-step solution deposition for hybrid perovskite mesoscopic solar cells with high reproductivity. *Journal of Materials Chemistry A*, **2015**, 3, 22839-22845	13	45
30	Improved charge transport and injection in a meso-superstructured solar cell by a tractable pre-spin-coating process. *Physical Chemistry Chemical Physics*, **2015**, 17, 24092-7	3.6	12
29	Enhanced optoelectronic quality of perovskite thin films with hypophosphorous acid for planar heterojunction solar cells. *Nature Communications*, **2015**, 6, 10030	17.4	492
28	Review of recent progress in chemical stability of perovskite solar cells. *Journal of Materials Chemistry A*, **2015**, 3, 8970-8980	13	1337
27	High-Performance Planar-Type Photodetector on (100) Facet of MAPbI3 Single Crystal. *Scientific Reports*, **2015**, 5, 16563	4.9	222
26	Chemical Stability Issue and Its Research Process of Perovskite Solar Cells with High Efficiency. *Acta Chimica Sinica*, **2015**, 73, 211	3.3	8
25	Study on the stability of CH3NH3PbI3 films and the effect of post-modification by aluminum oxide in all-solid-state hybrid solar cells. *Journal of Materials Chemistry A*, **2014**, 2, 705-710	13	861
24	Graphene oxide as dual functional interface modifier for improving wettability and retarding recombination in hybrid perovskite solar cells. *Journal of Materials Chemistry A*, **2014**, 2, 20105-20111	13	165
23	Combined post-modification of iodide ligands and wide band gap ZnS in quantum dot sensitized solar cells. *Physical Chemistry Chemical Physics*, **2014**, 16, 18327-32	3.6	8
22	Facile synthesis of iridium nanocrystals with well-controlled facets using seed-mediated growth. *Journal of the American Chemical Society*, **2014**, 136, 10878-81	16.4	131
21	Multifunctional perovskite capping layers in hybrid solar cells. *Journal of Materials Chemistry A*, **2014**, 2, 14973	13	55

20	Mg doping in nanosheet-based spherical structured ZnO photoanode for quasi-solid dye-sensitized solar cells. *RSC Advances*, **2014**, 4, 21294-21300	3.7	18
19	Continuous and scalable production of well-controlled noble-metal nanocrystals in milliliter-sized droplet reactors. *Nano Letters*, **2014**, 14, 6626-31	11.5	97
18	Post modification of perovskite sensitized solar cells by aluminum oxide for enhanced performance. *Journal of Materials Chemistry A*, **2013**, 1, 11735	13	88
17	Inorganic halogen ligands in quantum dots: I-, Br-, Cl- and film fabrication through electrophoretic deposition. *Physical Chemistry Chemical Physics*, **2013**, 15, 19595-600	3.6	31
16	ZnO nanocrystallite aggregates synthesized through interface precipitation for dye-sensitized solar cells. *Nano Energy*, **2013**, 2, 40-48	17.1	40
15	Interface modification of 8-hydroxyquinoline aluminium with combined effects in quasi-solid dye-sensitized solar cells. *Physical Chemistry Chemical Physics*, **2012**, 14, 5973-8	3.6	5
14	Inorganic iodide ligands in ex situ PbS quantum dot sensitized solar cells with I/I3 electrolytes. *Journal of Materials Chemistry*, **2012**, 22, 16914		33
13	Recent progress in interface modification for dye-sensitized solar cells. *Science China Chemistry*, **2010**, 53, 1669-1678	7.9	18
12	Polydisperse Spindle-Shaped ZnO Particles with Their Packing Micropores in the Photoanode for Highly Efficient Quasi-Solid Dye-Sensitized Solar Cells. *Advanced Functional Materials*, **2010**, 20, 437-444	15.6	29
11	Comparison between P25 and anatase-based TiO2 quasi-solid state dye sensitized solar cells. *Science Bulletin*, **2008**, 53, 954-957	10.6	3
10	Post-modification using aluminum isopropoxide after dye-sensitization for improved performance and stability of quasi-solid-state solar cells. *Journal of Photochemistry and Photobiology A: Chemistry* , **2008**, 197, 375-381	4.7	24
9	Morphological characterization of pentacene single crystals grown by physical vapor transport. *Applied Surface Science*, **2007**, 253, 3581-3585	6.7	14
8	TiO2 surface modification and characterization with nanosized PbS in dye-sensitized solar cells. *Journal of Physical Chemistry B*, **2006**, 110, 14406-9	3.4	82
7	Research on the adhesive ability between ITO anode and PET substrate improved by polyimide buffer layer. *Science Bulletin*, **2005**, 50, 505-508		6
6	Quasi-2D Perovskite Thick Film for X-Ray Detection with Low Detection Limit. *Advanced Functional Materials*,2109458	15.6	11
5	Cs4PbBr6−xClx Single Crystals with Tunable Emission for X-ray Detection and Imaging. *Journal of Physical Chemistry C*,	3.8	4
4	Compact and Large-Area Perovskite Films Achieved via Soft-Pressing and Multi-Functional Polymerizable Binder for Flat-Panel X-Ray Imager. *Advanced Functional Materials*,2110729	15.6	17
3	Observation of Defect Luminescence in 2D Dion–Jacobson Perovskites. *Advanced Optical Materials*,2101423	8.3	6

2	Oxide perovskite Ba2AgIO6 wafers for X-ray detection. *Frontiers of Optoelectronics*,1	2.8	2
1	Highly Resolved X-Ray Imaging Enabled by In(I) Doped Perovskite-Like Cs 3 Cu 2 I 5 Single Crystal Scintillator. *Advanced Optical Materials*,2200304	8.1	15