

Kaibo Zheng

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

124 papers	6,735 citations	38 h-index	81 g-index
136 ext. papers	7,946 ext. citations	9 avg, IF	6.07 L-index

#	Paper	IF	Citations
124	Organometal halide perovskite solar cell materials rationalized: ultrafast charge generation, high and microsecond-long balanced mobilities, and slow recombination. <i>Journal of the American Chemical Society</i> , 2014 , 136, 5189-92	16.4	948
123	2D Ruddlesden-Popper Perovskites for Optoelectronics. <i>Advanced Materials</i> , 2018 , 30, 1703487	24	423
122	Thermally Activated Exciton Dissociation and Recombination Control the Carrier Dynamics in Organometal Halide Perovskite. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 2189-94	6.4	399
121	Lead-Free, Air-Stable All-Inorganic Cesium Bismuth Halide Perovskite Nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 12471-12475	16.4	360
120	Mechanistic insights into perovskite photoluminescence enhancement: light curing with oxygen can boost yield thousandfold. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 24978-87	3.6	272
119	Tailoring Organic Cation of 2D Air-Stable Organometal Halide Perovskites for Highly Efficient Planar Solar Cells. <i>Advanced Energy Materials</i> , 2017 , 7, 1700162	21.8	257
118	Exciton Binding Energy and the Nature of Emissive States in Organometal Halide Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 2969-75	6.4	171
117	Giant photoluminescence blinking of perovskite nanocrystals reveals single-trap control of luminescence. <i>Nano Letters</i> , 2015 , 15, 1603-8	11.5	159
116	Enhanced performance of inverted polymer solar cells by using poly(ethylene oxide)-modified ZnO as an electron transport layer. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 380-5	9.5	149
115	Photo-stability of CsPbBr ₃ perovskite quantum dots for optoelectronic application. <i>Science China Materials</i> , 2016 , 59, 719-727	7.1	149
114	Insights into charge carrier dynamics in organo-metal halide perovskites: from neat films to solar cells. <i>Chemical Society Reviews</i> , 2017 , 46, 5714-5729	58.5	147
113	Synthesis, diffused reflectance and electrical properties of nanocrystalline Fe-doped ZnO via sol-gel calcination technique. <i>Optics and Laser Technology</i> , 2013 , 48, 447-452	4.2	145
112	Enhanced Organo-Metal Halide Perovskite Photoluminescence from Nanosized Defect-Free Crystallites and Emitting Sites. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 4171-7	6.4	143
111	Size- and Wavelength-Dependent Two-Photon Absorption Cross-Section of CsPbBr Perovskite Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 2316-2321	6.4	136
110	Mixed halide perovskites for spectrally stable and high-efficiency blue light-emitting diodes. <i>Nature Communications</i> , 2021 , 12, 361	17.4	119
109	Cation-Dependent Hot Carrier Cooling in Halide Perovskite Nanocrystals. <i>Journal of the American Chemical Society</i> , 2019 , 141, 3532-3540	16.4	116
108	Humidity sensors based on ZnO/TiO ₂ core/shell nanorod arrays with enhanced sensitivity. <i>Sensors and Actuators B: Chemical</i> , 2011 , 159, 1-7	8.5	110

107	Trap States and Their Dynamics in Organometal Halide Perovskite Nanoparticles and Bulk Crystals. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 3077-3084	3.8	105
106	Electron transfer in quantum-dot-sensitized ZnO nanowires: ultrafast time-resolved absorption and terahertz study. <i>Journal of the American Chemical Society</i> , 2012 , 134, 12110-7	16.4	105
105	The properties of ethanol gas sensor based on Ti doped ZnO nanotetrapods. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010 , 166, 104-107	3.1	92
104	Ultrafast Dynamics of Hole Injection and Recombination in Organometal Halide Perovskite Using Nickel Oxide as p-Type Contact Electrode. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 1096-101	6.4	78
103	Lead-Free, Air-Stable All-Inorganic Cesium Bismuth Halide Perovskite Nanocrystals. <i>Angewandte Chemie</i> , 2017 , 129, 12645-12649	3.6	71
102	Inter-phase charge and energy transfer in Ruddlesden-Popper 2D perovskites: critical role of the spacing cations. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 6244-6250	13	70
101	Ultrafast dynamics of multiple exciton harvesting in the CdSe-ZnO system: electron injection versus Auger recombination. <i>Nano Letters</i> , 2012 , 12, 6393-9	11.5	69
100	Constructing water-resistant CH ₃ NH ₃ PbI ₃ perovskite films via coordination interaction. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 17018-17024	13	69
99	Photostability and Photodegradation Processes in Colloidal CsPbI Perovskite Quantum Dots. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 39222-39227	9.5	68
98	High Excitation Intensity Opens a New Trapping Channel in Organic-Inorganic Hybrid Perovskite Nanoparticles. <i>ACS Energy Letters</i> , 2016 , 1, 1154-1161	20.1	65
97	Ultrafast Charge Transfer from CdSe Quantum Dots to p-Type NiO: Hole Injection vs Hole Trapping. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 18462-18471	3.8	62
96	Ultra Long-Lived Radiative Trap States in CdSe Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 21682-21686	3.8	53
95	Directed energy transfer in films of CdSe quantum dots: beyond the point dipole approximation. <i>Journal of the American Chemical Society</i> , 2014 , 136, 6259-68	16.4	52
94	Ultrafast hot-hole injection modifies hot-electron dynamics in Au/p-GaN heterostructures. <i>Nature Materials</i> , 2020 , 19, 1312-1318	27	52
93	Formamidinium Lead Bromide (FAPbBr) Perovskite Microcrystals for Sensitive and Fast Photodetectors. <i>Nano-Micro Letters</i> , 2018 , 10, 43	19.5	49
92	Balancing Electron Transfer and Surface Passivation in Gradient CdSe/ZnS Core-Shell Quantum Dots Attached to ZnO. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 1760-5	6.4	49
91	Modulating electron density of vacancy site by single Au atom for effective CO photoreduction. <i>Nature Communications</i> , 2021 , 12, 1675	17.4	48
90	Iodinated SnO ₂ Quantum Dots: A Facile and Efficient Approach To Increase Solar Absorption for Visible-Light Photocatalysis. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 9253-9262	3.8	46

89	Lead-free double halide perovskite Cs ₃ BiBr ₆ with well-defined crystal structure and high thermal stability for optoelectronics. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 3369-3374	7.1	45
88	Direct Experimental Evidence for Photoinduced Strong-Coupling Polarons in Organolead Halide Perovskite Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 4535-4539	6.4	44
87	Enabling room-temperature processed highly efficient and stable 2D Ruddlesden-Popper perovskite solar cells with eliminated hysteresis by synergistic exploitation of additives and solvents. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 2015-2021	13	39
86	Benefiting from Spontaneously Generated 2D/3D Bulk-Heterojunctions in Ruddlesden-Popper Perovskite by Incorporation of S-Bearing Spacer Cation. <i>Advanced Science</i> , 2019 , 6, 1900548	13.6	38
85	Optimizing ZnO nanoparticle surface for bulk heterojunction hybrid solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2013 , 118, 43-47	6.4	38
84	Two Dimensions Are Better for Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 5881-5885	6.4	37
83	Hole Trapping: The Critical Factor for Quantum Dot Sensitized Solar Cell Performance. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 25802-25808	3.8	37
82	Humidity sensors based on Aurivillius type Bi ₂ MO ₆ (M = W, Mo) oxide films. <i>Sensors and Actuators B: Chemical</i> , 2010 , 148, 240-246	8.5	35
81	Enhanced Size Selection in Two-Photon Excitation for CsPbBr Perovskite Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 5119-5124	6.4	34
80	Effect of metal oxide morphology on electron injection from CdSe quantum dots to ZnO. <i>Applied Physics Letters</i> , 2013 , 102, 163119	3.4	31
79	Multiple exciton generation in nano-crystals revisited: consistent calculation of the yield based on pump-probe spectroscopy. <i>Scientific Reports</i> , 2013 , 3, 2287	4.9	30
78	W/Mo-Oxide Nanomaterials: Structure-Property Relationships and Ammonia-Sensing Studies. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 1134-1142	3.8	29
77	Surface Engineering of Quantum Dots for Remarkably High Detectivity Photodetectors. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 3285-3294	6.4	28
76	Nonconfinement Structure Revealed in Dion-Jacobson Type Quasi-2D Perovskite Expedites Interlayer Charge Transport. <i>Small</i> , 2019 , 15, e1905081	11	28
75	Humidity sensing properties of bismuth phosphates. <i>Sensors and Actuators B: Chemical</i> , 2012 , 166-167, 642-649	8.5	28
74	Quantum dot photodegradation due to CdSe-ZnO charge transfer: Transient absorption study. <i>Applied Physics Letters</i> , 2012 , 100, 243111	3.4	28
73	Fast monolayer adsorption and slow energy transfer in CdSe quantum dot sensitized ZnO nanowires. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 5919-25	2.8	28
72	Correlating structure and electronic band-edge properties in organolead halide perovskites nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 14933-40	3.6	28

71	Advancing Tin Halide Perovskites: Strategies toward the ASnX ₃ Paradigm for Efficient and Durable Optoelectronics. <i>ACS Energy Letters</i> , 2020 , 5, 2052-2086	20.1	27
70	Hot electron and hole dynamics in thiol-capped CdSe quantum dots revealed by 2D electronic spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 26199-26204	3.6	26
69	The fabrication and properties of field emission display based on ZnO tetrapod-like nanostructure. <i>Vacuum</i> , 2008 , 83, 261-264	3.7	26
68	Asynchronous Photoexcited Electronic and Structural Relaxation in Lead-Free Perovskites. <i>Journal of the American Chemical Society</i> , 2019 , 141, 13074-13080	16.4	25
67	Orbital Topology Controlling Charge Injection in Quantum-Dot-Sensitized Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 1157-62	6.4	25
66	Defect State Assisted Z-scheme Charge Recombination in Bi ₂ O ₂ CO ₃ /Graphene Quantum Dot Composites For Photocatalytic Oxidation of NO. <i>ACS Applied Nano Materials</i> , 2020 , 3, 772-781	5.6	25
65	Synthesis and electrical properties of ZnO nanowires. <i>Micron</i> , 2006 , 37, 370-3	2.3	24
64	Unveiling Excitonic Dynamics in High-Efficiency Nonfullerene Organic Solar Cells to Direct Morphological Optimization for Suppressing Charge Recombination. <i>Advanced Science</i> , 2019 , 6, 1802103 ^{13.6}	13.6	24
63	Ultrafast photoinduced dynamics in quantum dot-based systems for light harvesting. <i>Nano Research</i> , 2015 , 8, 2125-2142	10	23
62	A structure of CdS/CuS quantum dots sensitized solar cells. <i>Applied Physics Letters</i> , 2016 , 108, 213901	3.4	23
61	Metal-free indoline dye sensitized zinc oxide nanowires solar cell. <i>Materials Letters</i> , 2010 , 64, 1336-1339 ^{3.3}	3.3	22
60	CuInSe Quantum Dots Hybrid Hole Transfer Layer for Halide Perovskite Photodetectors. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 35656-35663	9.5	22
59	Sandwiched confinement of quantum dots in graphene matrix for efficient electron transfer and photocurrent production. <i>Scientific Reports</i> , 2015 , 5, 9860	4.9	21
58	Hydrothermal synthesis of Bi ₆ S ₂ O ₁₅ nanowires: structural, in situ EXAFS, and humidity-sensing studies. <i>Small</i> , 2010 , 6, 1173-9	11	21
57	Nanophotonic-Enhanced Two-Photon-Excited Photoluminescence of Perovskite Quantum Dots. <i>ACS Photonics</i> , 2018 , 5, 4668-4676	6.3	21
56	Electron relaxation in the CdSe quantum dot--ZnO composite: prospects for photovoltaic applications. <i>Scientific Reports</i> , 2014 , 4, 7244	4.9	20
55	Simultaneous Hot Electron and Hole Injection upon Excitation of Gold Surface Plasmon. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 3140-3146	6.4	19
54	Composition Engineering in Two-Dimensional Pb-Sn-Alloyed Perovskites for Efficient and Stable Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 21343-21348	9.5	16

53	Multiexciton Absorption Cross Sections of CdSe Quantum Dots Determined by Ultrafast Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 3330-6	6.4	16
52	Manipulating crystallization dynamics through chelating molecules for bright perovskite emitters. <i>Nature Communications</i> , 2021 , 12, 4831	17.4	16
51	Mechanistic Investigation into Dynamic Function of Third Component Incorporated in Ternary Near-Infrared Nonfullerene Organic Solar Cells. <i>Advanced Functional Materials</i> , 2020 , 30, 2001564	15.6	15
50	Enhanced field emission and patterned emitter device fabrication of metal-tetracyanoquinodimethane nanowires array. <i>Applied Surface Science</i> , 2010 , 256, 2764-2768	6.7	15
49	Free Carriers versus Self-Trapped Excitons at Different Facets of Ruddlesden-Popper Two-Dimensional Lead Halide Perovskite Single Crystals. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 4965-4971	6.4	14
48	Dual Functions of O-Atoms in the g-CN/BON Interface: Oriented Charge Flow In-Plane and Separation within the Interface To Collectively Promote Photocatalytic Molecular Oxygen Activation. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 34432-34440	9.5	12
47	Inorganic Ions Assisted the Anisotropic Growth of CsPbCl Nanowires with Surface Passivation Effect. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 29574-29582	9.5	12
46	On the morphology, structure and field emission properties of silver-tetracyanoquinodimethane nanostructures. <i>Nanoscale Research Letters</i> , 2010 , 5, 1307-12	5	12
45	Modulating Charge-Carrier Dynamics in Mn-Doped All-Inorganic Halide Perovskite Quantum Dots through the Doping-Induced Deep Trap States. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 3705-3711	6.4	11
44	Electronic Structure and Trap States of Two-Dimensional Ruddlesden-Popper Perovskites with the Relaxed Goldschmidt Tolerance Factor. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 1402-1412	4	11
43	Phonon-Assisted Hot Carrier Generation in Plasmonic Semiconductor Systems. <i>Nano Letters</i> , 2021 , 21, 1083-1089	11.5	11
42	Implementing an intermittent spin-coating strategy to enable bottom-up crystallization in layered halide perovskites. <i>Nature Communications</i> , 2021 , 12, 6603	17.4	9
41	Highly Stable Perovskite Supercrystals via Oil-in-Oil Templating. <i>Nano Letters</i> , 2020 , 20, 5997-6004	11.5	9
40	Direct Observation of a Plasmon-Induced Hot Electron Flow in a Multimetallic Nanostructure. <i>Nano Letters</i> , 2020 , 20, 8220-8228	11.5	9
39	Simultaneous Creation and Recovery of Trap States on Quantum Dots in a Photoirradiated CdSe/ZnO System. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 27567-27573	3.8	8
38	SEM and XAS characterization at beginning of life of Pd-based cathode electrocatalysts in PEM fuel cells. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 5358-5370	6.7	8
37	Effect of synthesis methods on photoluminescent properties for CsPbBr ₃ nanocrystals: Hot injection method and conversion method. <i>Journal of Luminescence</i> , 2020 , 220, 117023	3.8	8
36	Photostability of the Oleic Acid-Encapsulated Water-Soluble Cd Se Zn S Gradient Core-Shell Quantum Dots. <i>ACS Omega</i> , 2017 , 2, 1922-1929	3.9	7

35	Manganese doped eco-friendly CuInSe ₂ colloidal quantum dots for boosting near-infrared photodetection performance. <i>Chemical Engineering Journal</i> , 2021 , 403, 126452	14.7	7
34	Surface plasmon inhibited photo-luminescence activation in CdSe/ZnS core-shell quantum dots. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 254001	1.8	6
33	Ultrafast charge transfer dynamics in 2D covalent organic frameworks/Re-complex hybrid photocatalyst.. <i>Nature Communications</i> , 2022 , 13, 845	17.4	6
32	Enhancement of photovoltaic performance by two-step dissolution processed photoactive blend in polymer solar cells. <i>Science China Materials</i> , 2016 , 59, 842-850	7.1	6
31	Time-resolved terahertz spectroscopy reveals the influence of charged sensitizing quantum dots on the electron dynamics in ZnO. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 6006-6012	3.6	5
30	Exploring the light-induced dynamics in solvated metallogrid complexes with femtosecond pulses across the electromagnetic spectrum. <i>Journal of Chemical Physics</i> , 2020 , 152, 214301	3.9	5
29	Drastic difference between hole and electron injection through the gradient shell of CdSeZnS quantum dots. <i>Nanoscale</i> , 2017 , 9, 12503-12508	7.7	5
28	Graphitic Carbon Nitride/CdSe Quantum Dot/Iron Carbonyl Cluster Composite for Enhanced Photocatalytic Hydrogen Evolution. <i>ACS Applied Nano Materials</i> , 2021 , 4, 6280-6289	5.6	5
27	Exploring the Intrinsic Point Defects in Cesium Copper Halides. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 1592-1598	3.8	5
26	Photoexcitation Dynamics in Electrochemically Charged CdSe Quantum Dots: From Hot Carrier Cooling to Auger Recombination of Negative Trions. <i>ACS Applied Energy Materials</i> , 2020 , 3, 12525-12531	6.1	4
25	Electron Transfer Mediated by Iron Carbonyl Clusters Enhance Light-Driven Hydrogen Evolution in Water by Quantum Dots. <i>ChemSusChem</i> , 2020 , 13, 3252-3260	8.3	4
24	Revealing Hot and Long-Lived Metastable Spin States in the Photoinduced Switching of Solvated Metallogrid Complexes with Femtosecond Optical and X-ray Spectroscopies. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 2133-2141	6.4	4
23	Exploiting Flexible Memristors Based on Solution-Processed Colloidal CuInSe ₂ Nanocrystals. <i>Advanced Electronic Materials</i> , 2020 , 6, 2000035	6.4	4
22	Asymmetric Spacer in Dion-Jacobson Halide Perovskites Induces Staggered Alignment to Direct Out-of-Plane Carrier Transport and Enhances Ambient Stability Simultaneously. <i>Advanced Functional Materials</i> , 2021 , 31, 2104342	15.6	4
21	Charge Carrier Diffusion Dynamics in Multisized Quaternary Alkylammonium-Capped CsPbBr Perovskite Nanocrystal Solids. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 44742-44750	9.5	4
20	Large-scale planar and spherical light-emitting diodes based on arrays of perovskite quantum wires. <i>Nature Photonics</i> , 2022 , 16, 284-290	33.9	4
19	Compressive imaging of transient absorption dynamics on the femtosecond timescale. <i>Optics Express</i> , 2019 , 27, 10234-10246	3.3	3
18	Photodetector Based on Spontaneously Grown Strongly Coupled MAPbBr ₃ /N-rGO Hybrids Showing Enhanced Performance. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 858-867	9.5	3

17	Developing Halogen-Free Polymer Donors for Efficient Nonfullerene Organic Solar Cells by Addition of Highly Electron-Deficient Diketopyrrolopyrrole Unit. <i>Solar Rrl</i> , 2021 , 5, 2100142	7.1	3
16	Ultrafast Spectroelectrochemistry Reveals Photoinduced Carrier Dynamics in Positively Charged CdSe Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 14332-14337	3.8	3
15	Role of the Metal Oxide Electron Acceptor on Gold Plasmon Hot-Carrier Dynamics and Its Implication to Photocatalysis and Photovoltaics. <i>ACS Applied Nano Materials</i> , 2021 , 4, 2052-2060	5.6	3
14	Ultrafast charge generation, high and balanced charge carrier mobilities in organo halide perovskite solar cell 2014 ,		2
13	Photochromic and Field Emission Properties of Ag-TCNQ Micro/Nanostructures. <i>Journal of Physics: Conference Series</i> , 2011 , 276, 012198	0.3	2
12	Fabrication and electrical properties of a Cu-tetracyanoquinodimethane nanowire array in a porous anodic alumina template. <i>Nanotechnology</i> , 2008 , 19, 015305	3.4	2
11	Excited States and Their Dynamics in CdSe Quantum Dots Studied by Two-Color 2D Spectroscopy.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 1266-1271	6.4	2
10	Microscopic morphology independence in linear absorption cross-section of CsPbBr ₃ nanocrystals. <i>Science China Materials</i> , 2021 , 64, 1418-1426	7.1	2
9	Work function measurement for Ag-TCNQ (TCNQ = tetracyanoquinodimethane) nanowires. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 6576-8	1.3	1
8	Optimizing the quasi-equilibrium state of hot carriers in all-inorganic lead halide perovskite nanocrystals through Mn doping: fundamental dynamics and device perspectives.. <i>Chemical Science</i> , 2022 , 13, 1734-1745	9.4	1
7	Molecular Linking Selectivity on Self-Assembled Metal-Semiconductor Nano-Hybrid Systems. <i>Nanomaterials</i> , 2020 , 10,	5.4	1
6	Atomic-Scale Observation of Oxygen Vacancy-Induced Step Reconstruction in WO ₃ . <i>Journal of Physical Chemistry C</i> , 2021 , 125, 8456-8460	3.8	1
5	A dual-interfacial system with well-defined spatially separated redox-sites for boosting photocatalytic overall H ₂ S splitting. <i>Chemical Engineering Journal</i> , 2021 , 423, 130201	14.7	1
4	Inorganic ligands-mediated hole attraction and surface structural reorganization in InP/ZnS QD photocatalysts studied via ultrafast visible and midinfrared spectroscopies. <i>Science China Materials</i> , 2021 , 1	7.1	0
3	Morphology-Dependent One- and Two-Photon Absorption Properties in Blue Emitting CsPbBr ₃ Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 4897-4904	6.4	0
2	Multiexciton Absorption Cross Sections of CdSe Nanocrystals at Band-Edge Energy. <i>EPJ Web of Conferences</i> , 2013 , 41, 04034	0.3	
1	Photoinduced Polaron Formation in a Polymerized Electron-Acceptor Semiconductor. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 5143-5150	6.4	