

Haiguang zhao

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131
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139
ext. papers

5,490
ext. citations

11.2
avg, IF

6.05
L-index

#	Paper	IF	Citations
131	A high performance wearable strain sensor with advanced thermal management for motion monitoring. <i>Nature Communications</i> , 2020 , 11, 3530	17.4	141
130	Harnessing the properties of colloidal quantum dots in luminescent solar concentrators. <i>Chemical Society Reviews</i> , 2018 , 47, 5866-5890	58.5	120
129	Perovskite quantum dots integrated in large-area luminescent solar concentrators. <i>Nano Energy</i> , 2017 , 37, 214-223	17.1	117
128	Tuning the Charge-Transfer Property of PbS-Quantum Dot/TiO ₂ -Nanobelt Nanohybrids via Quantum Confinement. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 1030-1035	6.4	117
127	Towards controlled synthesis and better understanding of highly luminescent PbS/CdS core/shell quantum dots. <i>Journal of Materials Chemistry</i> , 2011 , 21, 8898		115
126	Near Infrared, Highly Efficient Luminescent Solar Concentrators. <i>Advanced Energy Materials</i> , 2016 , 6, 1501913	21.8	115
125	Efficient and stable tandem luminescent solar concentrators based on carbon dots and perovskite quantum dots. <i>Nano Energy</i> , 2018 , 50, 756-765	17.1	113
124	Zero-Dimensional Perovskite Nanocrystals for Efficient Luminescent Solar Concentrators. <i>Advanced Functional Materials</i> , 2019 , 29, 1902262	15.6	102
123	Colloidal carbon dots based highly stable luminescent solar concentrators. <i>Nano Energy</i> , 2018 , 44, 378-387	17.1	102
122	Heavy metal-free, near-infrared colloidal quantum dots for efficient photoelectrochemical hydrogen generation. <i>Nano Energy</i> , 2017 , 31, 441-449	17.1	97
121	Absorption Enhancement in "Giant" Core/Alloyed-Shell Quantum Dots for Luminescent Solar Concentrator. <i>Small</i> , 2016 , 12, 5354-5365	11	88
120	Gram-scale synthesis of carbon quantum dots with a large Stokes shift for the fabrication of eco-friendly and high-efficiency luminescent solar concentrators. <i>Energy and Environmental Science</i> , 2021 , 14, 396-406	35.4	81
119	Controlled Fabrication of PbS Quantum-Dot/Carbon-Nanotube Nanoarchitecture and its Significant Contribution to Near-Infrared Photon-to-Current Conversion. <i>Advanced Functional Materials</i> , 2011 , 21, 4010-4018	15.6	79
118	High efficiency, Pt-free photoelectrochemical cells for solar hydrogen generation based on "giant" quantum dots. <i>Nano Energy</i> , 2016 , 27, 265-274	17.1	79
117	Quantum Dots: Near-Infrared Colloidal Quantum Dots for Efficient and Durable Photoelectrochemical Solar-Driven Hydrogen Production (Adv. Sci. 3/2016). <i>Advanced Science</i> , 2016 , 3,	13.6	78
116	Colloidal Quantum Dots for Solar Technologies. <i>Chem</i> , 2017 , 3, 229-258	16.2	77
115	Two-step synthesis of high-quality water-soluble near-infrared emitting quantum dots via amphiphilic polymers. <i>Chemical Communications</i> , 2010 , 46, 5301-3	5.8	75

114	Fabrication and physical and biological properties of fibrin gel derived from human plasma. <i>Biomedical Materials (Bristol)</i> , 2008 , 3, 015001	3.5	73
113	Lanthanide Ion Doped Upconverting Nanoparticles: Synthesis, Structure and Properties. <i>Small</i> , 2016 , 12, 3888-907	11	72
112	Engineering interfacial structure in Giant PbS/CdS quantum dots for photoelectrochemical solar energy conversion. <i>Nano Energy</i> , 2016 , 30, 531-541	17.1	70
111	Anionic polypeptide poly(Glutamic acid)-functionalized magnetic Fe ₃ O ₄ -GO-(o-MWCNTs) hybrid nanocomposite for high-efficiency removal of Cd(II), Cu(II) and Ni(II) heavy metal ions. <i>Chemical Engineering Journal</i> , 2018 , 346, 38-49	14.7	69
110	Controlling photoinduced electron transfer from PbS@CdS core@shell quantum dots to metal oxide nanostructured thin films. <i>Nanoscale</i> , 2014 , 6, 7004-11	7.7	69
109	Near-Infrared, Heavy Metal-Free Colloidal Giant Core/Shell Quantum Dots. <i>Advanced Energy Materials</i> , 2018 , 8, 1701432	21.8	68
108	Highly Stable Colloidal Giant Quantum Dots Sensitized Solar Cells. <i>Advanced Functional Materials</i> , 2017 , 27, 1701468	15.6	68
107	Effect of CdS shell thickness on the optical properties of water-soluble, amphiphilic polymer-encapsulated PbS/CdS core/shell quantum dots. <i>Journal of Materials Chemistry</i> , 2011 , 21, 17483		66
106	Silver Nanorice Structures: Oriented Attachment-Dominated Growth, High Environmental Sensitivity, and Real-Space Visualization of Multipolar Resonances. <i>Chemistry of Materials</i> , 2012 , 24, 2339-2346	9.6	64
105	Enhanced photovoltaic properties in dye sensitized solar cells by surface treatment of SnO ₂ photoanodes. <i>Scientific Reports</i> , 2016 , 6, 23312	4.9	59
104	Hole-extraction and photostability enhancement in highly efficient inverted perovskite solar cells through carbon dot-based hybrid material. <i>Nano Energy</i> , 2019 , 62, 781-790	17.1	58
103	Functionalized multi-wall carbon nanotubes/TiO ₂ composites as efficient photoanodes for dye sensitized solar cells. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 3555-3562	7.1	56
102	Near-Infrared Colloidal Quantum Dots for Efficient and Durable Photoelectrochemical Solar-Driven Hydrogen Production. <i>Advanced Science</i> , 2016 , 3, 1500345	13.6	55
101	Core/Shell Quantum Dots Solar Cells. <i>Advanced Functional Materials</i> , 2020 , 30, 1908762	15.6	53
100	Size Dependence of Temperature-Related Optical Properties of PbS and PbS/CdS Core/Shell Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 20585-20593	3.8	49
99	Optoelectronic Properties in Near-Infrared Colloidal Heterostructured Pyramidal "Giant" Core/Shell Quantum Dots. <i>Advanced Science</i> , 2018 , 5, 1800656	13.6	49
98	Dual emission in asymmetric "giant" PbS/CdS/CdS core/shell/shell quantum dots. <i>Nanoscale</i> , 2016 , 8, 4217-26	7.7	48
97	Bimodal Photoluminescence during the Growth of PbS Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 6497-6504	3.8	48

96	Investigating photoinduced charge transfer in double- and single-emission PbS@CdS core@shell quantum dots. <i>Nanoscale</i> , 2014 , 6, 215-25	7.7	45
95	Structure/Property Relations in "Giant" Semiconductor Nanocrystals: Opportunities in Photonics and Electronics. <i>Accounts of Chemical Research</i> , 2018 , 51, 609-618	24.3	43
94	Stable tandem luminescent solar concentrators based on CdSe/CdS quantum dots and carbon dots. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 10059-10066	7.1	43
93	Concentration-Dependent Photoinduced Photoluminescence Enhancement in Colloidal PbS Quantum Dot Solution. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 10153-10159	3.8	42
92	Asymmetric silver "nanocarrot" structures: solution synthesis and their asymmetric plasmonic resonances. <i>Journal of the American Chemical Society</i> , 2013 , 135, 9616-9	16.4	38
91	In vitro and in vivo biological performance of collagen-chitosan/silicone membrane bilayer dermal equivalent. <i>Journal of Materials Science: Materials in Medicine</i> , 2007 , 18, 2185-91	4.5	37
90	Ultrasensitive, Biocompatible, Self-Calibrating, Multiparametric Temperature Sensors. <i>Small</i> , 2015 , 11, 5741-6	11	36
89	Enhanced conversion efficiency in Si solar cells employing photoluminescent down-shifting CdSe/CdS core/shell quantum dots. <i>Scientific Reports</i> , 2017 , 7, 14104	4.9	35
88	Effect of Different Types of Surface Ligands on the Structure and Optical Property of Water-Soluble PbS Quantum Dots Encapsulated by Amphiphilic Polymers. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 1620-1626	3.8	35
87	A polylactide/fibrin gel composite scaffold for cartilage tissue engineering: fabrication and an in vitro evaluation. <i>Journal of Materials Science: Materials in Medicine</i> , 2009 , 20, 135-43	4.5	35
86	Heterostructured quantum dot architectures for efficient and stable photoelectrochemical hydrogen production. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 6822-6829	13	34
85	Air-processed depleted bulk heterojunction solar cells based on PbS/CdS core/shell quantum dots and TiO ₂ nanorod arrays. <i>Solar Energy Materials and Solar Cells</i> , 2014 , 124, 67-74	6.4	34
84	Ultrasmall PbS quantum dots: a facile and greener synthetic route and their high performance in luminescent solar concentrators. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 10250-10260	13	33
83	Platinum/Palladium hollow nanofibers as high-efficiency counter electrodes for enhanced charge transfer. <i>Journal of Power Sources</i> , 2016 , 335, 138-145	8.9	33
82	Microwave-assisted cation exchange toward synthesis of near-infrared emitting PbS/CdS core/shell quantum dots with significantly improved quantum yields through a uniform growth path. <i>Nanoscale</i> , 2013 , 5, 7800-4	7.7	32
81	High efficiency sandwich structure luminescent solar concentrators based on colloidal quantum dots. <i>Nano Energy</i> , 2019 , 60, 119-126	17.1	31
80	Hybrid TiO ₂ -Graphene nanoribbon photoanodes to improve the photoconversion efficiency of dye sensitized solar cells. <i>Journal of Power Sources</i> , 2018 , 396, 566-573	8.9	28
79	Ultrasmall Nanoplatelets: The Ultimate Tuning of Optoelectronic Properties. <i>Advanced Energy Materials</i> , 2017 , 7, 1602728	21.8	27

78	Interfacial engineering in colloidal giant quantum dots for high-performance photovoltaics. <i>Nano Energy</i> , 2019 , 55, 377-388	17.1	27
77	Effect of Redox Reaction Products on the Luminescence Switching Behavior in CePO ₄ :Tb Nanorods. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 10031-10038	3.8	25
76	Self-selective recovery of photoluminescence in amphiphilic polymer encapsulated PbS quantum dots. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 14754-61	3.6	25
75	A colloidal heterostructured quantum dot sensitized carbon nanotube-TiO hybrid photoanode for high efficiency hydrogen generation. <i>Nanoscale Horizons</i> , 2019 , 4, 404-414	10.8	24
74	Colloidal thick-shell pyramidal quantum dots for efficient hydrogen production. <i>Nano Energy</i> , 2018 , 53, 116-124	17.1	24
73	Highly efficient and stable spray assisted nanostructured Cu ₂ S/Carbon paper counter electrode for quantum dots sensitized solar cells. <i>Journal of Power Sources</i> , 2019 , 436, 226849	8.9	24
72	Highly stable photoelectrochemical cells for hydrogen production using a SnO-TiO ₂ /quantum dot heterostructured photoanode. <i>Nanoscale</i> , 2018 , 10, 15273-15284	7.7	23
71	A composite scaffold of PLGA microspheres/fibrin gel for cartilage tissue engineering: fabrication, physical properties, and cell responsiveness. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009 , 88, 240-9	3.5	23
70	Efficient solar-driven hydrogen generation using colloidal heterostructured quantum dots. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 14079-14088	13	22
69	Dynamics of semiconducting nanocrystal uptake into mesoporous TiO ₂ thick films by electrophoretic deposition. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 847-856	13	22
68	Fabrication and properties of mineralized collagen-chitosan/hydroxyapatite scaffolds. <i>Polymers for Advanced Technologies</i> , 2008 , 19, 1590	3.2	21
67	Hybrid graphene/metal oxide anodes for efficient and stable dye sensitized solar cell. <i>Electrochimica Acta</i> , 2020 , 349, 136409	6.7	21
66	A stretchable laminated GNRs/BNNSs nanocomposite with high electrical and thermal conductivity. <i>Nanoscale</i> , 2019 , 11, 20648-20658	7.7	21
65	3D Ordered Porous Hybrid of ZnSe/N-doped Carbon with Anomalously High Na ⁺ Mobility and Ultrathin Solid Electrolyte Interphase for Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , 2019 , 29, 2106194	15.6	21
64	Visible and Near-Infrared, Multiparametric, Ultrasensitive Nanothermometer Based on Dual-Emission Colloidal Quantum Dots. <i>ACS Photonics</i> , 2019 , 6, 2479-2486	6.3	20
63	Earth abundant colloidal carbon quantum dots for luminescent solar concentrators. <i>Materials Advances</i> , 2020 , 1, 119-138	3.3	20
62	Environmentally friendly Mn-alloyed core/shell quantum dots for high-efficiency photoelectrochemical cells. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 10736-10741	13	20
61	Green synthesis of near infrared core/shell quantum dots for photocatalytic hydrogen production. <i>Nanotechnology</i> , 2016 , 27, 495405	3.4	20

60	Refractive index dependent optical property of carbon dots integrated luminescent solar concentrators. <i>Journal of Luminescence</i> , 2019 , 211, 150-156	3.8	19
59	1D/2D Cobalt-Based Nanohybrids as Electrocatalysts for Hydrogen Generation. <i>Advanced Functional Materials</i> , 2020 , 30, 1908467	15.6	19
58	Nanofiber-supported CuS nanoplatelets as high efficiency counter electrodes for quantum dot-based photoelectrochemical hydrogen production. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 65-72	7.8	18
57	Synergistic Effect of Plasmonic Gold Nanoparticles Decorated Carbon Nanotubes in Quantum Dots/TiO for Optoelectronic Devices. <i>Advanced Science</i> , 2020 , 7, 2001864	13.6	18
56	High-performance laminated luminescent solar concentrators based on colloidal carbon quantum dots. <i>Nanoscale Advances</i> , 2019 , 1, 4888-4894	5.1	18
55	Colloidal carbon quantum dots as light absorber for efficient and stable ecofriendly photoelectrochemical hydrogen generation. <i>Nano Energy</i> , 2021 , 86, 106122	17.1	18
54	In-situ growth of graphene on carbon nanofiber from lignin. <i>Carbon</i> , 2020 , 169, 446-454	10.4	17
53	Silver nanoparticle film induced photoluminescence enhancement of near-infrared emitting PbS and PbS/CdS core/shell quantum dots: observation of different enhancement mechanisms. <i>Nanoscale</i> , 2016 , 8, 4882-7	7.7	16
52	Ultrafast exciton relaxation dynamics of PbS and core/shell PbS/CdS quantum dots. <i>Science China Chemistry</i> , 2011 , 54, 2009-2015	7.9	16
51	Stable metal-halide perovskites for luminescent solar concentrators of real-device integration. <i>Nano Energy</i> , 2021 , 85, 105960	17.1	16
50	Tailoring the interfacial structure of colloidal "giant" quantum dots for optoelectronic applications. <i>Nanoscale</i> , 2018 , 10, 17189-17197	7.7	16
49	Controlled synthesis of near-infrared quantum dots for optoelectronic devices. <i>Nanoscale</i> , 2017 , 9, 16843-16851	7.7	15
48	Tailoring the Heterostructure of Colloidal Quantum Dots for Ratiometric Optical Nanothermometry. <i>Small</i> , 2020 , 16, e2000804	11	15
47	Integration of photoelectrochemical devices and luminescent solar concentrators based on giant quantum dots for highly stable hydrogen generation. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 18529-18537	13	15
46	Fabrication and properties of injectable Etricalcium phosphate particles/fibrin gel composite scaffolds for bone tissue engineering. <i>Materials Science and Engineering C</i> , 2009 , 29, 836-842	8.3	15
45	Graphene oxide/cobalt-based nanohybrid electrodes for robust hydrogen generation. <i>Applied Catalysis B: Environmental</i> , 2019 , 245, 167-176	21.8	15
44	CuS/Graphene Nanocomposite as a Transparent Conducting Oxide and Pt-Free Counter Electrode for Dye-Sensitized Solar Cells. <i>Journal of the Electrochemical Society</i> , 2019 , 166, H3065-H3073	3.9	15
43	Efficient and stable photoelectrochemical hydrogen generation using optimized colloidal heterostructured quantum dots. <i>Nano Energy</i> , 2021 , 79, 105416	17.1	15

42	Direct Measurement of Electronic Band Structure in Single Quantum Dots of Metal Chalcogenide Composites. <i>Small</i> , 2018 , 14, e1801668	11	15
41	Towards Long-Term Thermal Stability of Dye-Sensitized Solar Cells Using Multiwalled Carbon Nanotubes. <i>ChemPlusChem</i> , 2018 , 83, 682-690	2.8	14
40	Near-infrared CdSexTe1-x@CdS giant quantum dots for efficient photoelectrochemical hydrogen generation. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 22064-22074	6.7	14
39	Dual emission and optical gain in PbS/CdS nanocrystals: Role of shell volume and of core/shell interface. <i>Physical Review B</i> , 2017 , 96,	3.3	13
38	Role of refractive index in highly efficient laminated luminescent solar concentrators. <i>Nano Energy</i> , 2020 , 70, 104470	17.1	13
37	Near-Infrared Colloidal Manganese-Doped Quantum Dots: Photoluminescence Mechanism and Temperature Response. <i>ACS Photonics</i> , 2019 , 6, 2421-2431	6.3	12
36	Hybrid surface passivation of PbS/CdS quantum dots for efficient photoelectrochemical hydrogen generation. <i>Applied Surface Science</i> , 2020 , 530, 147252	6.7	12
35	Graphene nanoribbon-TiO2-quantum dots hybrid photoanode to boost the performance of photoelectrochemical for hydrogen generation. <i>Catalysis Today</i> , 2020 , 340, 161-169	5.3	12
34	Quantum Dots-Based Photoelectrochemical Hydrogen Evolution from Water Splitting. <i>Advanced Energy Materials</i> , 2021 , 11, 2003233	21.8	12
33	Ultra-small colloidal heavy-metal-free nanoplatelets for efficient hydrogen generation. <i>Applied Catalysis B: Environmental</i> , 2019 , 250, 234-241	21.8	11
32	Towards understanding the unusual photoluminescence intensity variation of ultrasmall colloidal PbS quantum dots with the formation of a thin CdS shell. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 31828-31835	3.6	11
31	Synthesis of highly efficient Cu2ZnSnSxSe4-x (CZTSSe) nanosheet electrocatalyst for dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2020 , 340, 135954	6.7	10
30	Role of Carbon Nanotubes to Enhance the Long-Term Stability of Dye-Sensitized Solar Cells. <i>ACS Photonics</i> , 2020 , 7, 653-664	6.3	10
29	Efficient and stable hydrogen evolution based on earth-abundant SnSe nanocrystals. <i>Applied Catalysis B: Environmental</i> , 2020 , 264, 118526	21.8	10
28	Red and yellow emissive carbon dots integrated tandem luminescent solar concentrators with significantly improved efficiency. <i>Nanoscale</i> , 2021 , 13, 9561-9569	7.7	10
27	Enhanced Photocurrent Generation in Proton-Irradiated Giant CdSe/CdS Core/Shell Quantum Dots. <i>Advanced Functional Materials</i> , 2019 , 29, 1904501	15.6	9
26	Concuss Finn Capillary driven fast viscous oil-spills removal by superhydrophobic cruciate polyester fibers. <i>Journal of Hazardous Materials</i> , 2021 , 417, 126133	12.8	9
25	Highly efficient ratiometric nanothermometers based on colloidal carbon quantum dots. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 4111-4119	7.3	8

24	Near-infrared heavy-metal-free SnSe/ZnSe quantum dots for efficient photoelectrochemical hydrogen generation. <i>Nanoscale</i> , 2021 , 13, 3519-3527	7.7	7
23	Ligand and precursor effects on the synthesis and optical properties of PbS quantum dots. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 4897-905	1.3	6
22	Highly efficient tandem luminescent solar concentrators based on eco-friendly copper iodide based hybrid nanoparticles and carbon dots. <i>Energy and Environmental Science</i> ,	35.4	6
21	Quantum Dots Solar Cells: Core/Shell Quantum Dots Solar Cells (Adv. Funct. Mater. 13/2020). <i>Advanced Functional Materials</i> , 2020 , 30, 2070086	15.6	6
20	Encapsulation of Dual Emitting Giant Quantum Dots in Silica Nanoparticles for Optical Ratiometric Temperature Nanosensors. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2767	2.6	5
19	Low-Cost, Air-Processed Quantum Dot Solar Cells via Diffusion-Controlled Synthesis. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 36301-36310	9.5	5
18	Ceria doping boosts methylene blue photodegradation in titania nanostructures. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 4138-4152	7.8	5
17	Red and green-emitting biocompatible carbon quantum dots for efficient tandem luminescent solar concentrators. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 12255-12262	7.1	5
16	Electron transfer in a semiconductor heterostructure interface through electrophoretic deposition and a linker-assisted method. <i>CrystEngComm</i> , 2020 , 22, 1664-1673	3.3	4
15	Gold nanoparticle decorated carbon nanotube nanocomposite for dye-sensitized solar cell performance and stability enhancement. <i>Chemical Engineering Journal</i> , 2021 , 421, 127756	14.7	4
14	Thermal effect on the efficiency and stability of luminescent solar concentrators based on colloidal quantum dots. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 5723-5731	7.1	3
13	Platinum Cluster/Carbon Quantum Dots Derived Graphene Heterostructured Carbon Nanofibers for Efficient and Durable Solar-Driven Electrochemical Hydrogen Evolution.. <i>Small Methods</i> , 2022 , e2101470	12.8	3
12	Surface chemistry in calcium capped carbon quantum dots. <i>Nanoscale</i> , 2021 , 13, 12149-12156	7.7	2
11	Structural effect of Low-dimensional carbon nanostructures on Long-term stability of dye sensitized solar cells. <i>Chemical Engineering Journal</i> , 2022 , 435, 135037	14.7	1
10	Perovskite Quantum Dots Based Luminescent Solar Concentrators. <i>Springer Series in Materials Science</i> , 2020 , 219-242	0.9	1
9	Solar Concentrators: Absorption Enhancement in Giant Core/Alloyed-Shell Quantum Dots for Luminescent Solar Concentrator (Small 38/2016). <i>Small</i> , 2016 , 12, 5368-5368	11	1
8	Epitaxial growth and defect repair of heterostructured CuInSeS/CdSeS/CdS quantum dots. <i>Nanoscale</i> , 2019 , 11, 19529-19535	7.7	1
7	Rational synthesis of novel "giant" CuInTeSe/CdS core/shell quantum dots for optoelectronics. <i>Nanoscale</i> , 2021 , 13, 15301-15310	7.7	1

6	Highly efficient optoelectronic devices based on colloidal heterostructured quantum dots. <i>APL Materials</i> , 2021 , 9, 050701	5.7	o
5	Ultra-small-sized multi-element metal oxide nanofibers: an efficient electrocatalyst for hydrogen evolution. <i>Nanoscale Advances</i> , 2022 , 4, 1758-1769	5.1	o
4	Temperature Sensors: Ultrasensitive, Biocompatible, Self-Calibrating, Multiparametric Temperature Sensors (Small 43/2015). <i>Small</i> , 2015 , 11, 5740-5740	11	
3	Core/Shell Quantum-Dot-Based Luminescent Solar Concentrators. <i>Lecture Notes in Nanoscale Science and Technology</i> , 2020 , 287-314	0.3	
2	Quantum Dots: Quantum Dots-Based Photoelectrochemical Hydrogen Evolution from Water Splitting (Adv. Energy Mater. 12/2021). <i>Advanced Energy Materials</i> , 2021 , 11, 2170047	21.8	
1	3D Ordered Porous Hybrid of ZnSe/ N -doped Carbon with Anomalously High Na + Mobility and Ultrathin Solid Electrolyte Interphase for Sodium-Ion Batteries (Adv. Funct. Mater. 50/2021). <i>Advanced Functional Materials</i> , 2021 , 31, 2170372	15.6	