

# Yiqiang Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3562776/publications.pdf>

Version: 2024-02-01

172  
papers

8,379  
citations

47006

47  
h-index

56724

83  
g-index

175  
all docs

175  
docs citations

175  
times ranked

8662  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Comparison of Different Stem Cell Types and Subpopulations Reveals Superior Paracrine Potency and Myocardial Repair Efficacy With Cardiosphere-Derived Cells. <i>Journal of the American College of Cardiology</i> , 2012, 59, 942-953.	2.8	427
2	Cardiomyocyte proliferation and progenitor cell recruitment underlie therapeutic regeneration after myocardial infarction in the adult mouse heart. <i>EMBO Molecular Medicine</i> , 2013, 5, 191-209.	6.9	268
3	Safety and Efficacy of Allogeneic Cell Therapy in Infarcted Rats Transplanted With Mismatched Cardiosphere-Derived Cells. <i>Circulation</i> , 2012, 125, 100-112.	1.6	262
4	Validation of the Cardiosphere Method to Culture Cardiac Progenitor Cells from Myocardial Tissue. <i>PLoS ONE</i> , 2009, 4, e7195.	2.5	252
5	The Main Progress of Perovskite Solar Cells in 2020â€“2021. <i>Nano-Micro Letters</i> , 2021, 13, 152.	27.0	250
6	Phase Pure 2D Perovskite for Highâ€“Performance 2Dâ€“3D Heterostructured Perovskite Solar Cells. <i>Advanced Materials</i> , 2018, 30, e1805323.	21.0	244
7	Cardiospheres Recapitulate a Niche-Like Microenvironment Rich in Stemness and Cell-Matrix Interactions, Rationalizing Their Enhanced Functional Potency for Myocardial Repair. <i>Stem Cells</i> , 2010, 28, 2088-2098.	3.2	232
8	Magnetic Targeting Enhances Engraftment and Functional Benefit of Iron-Labeled Cardiosphere-Derived Cells in Myocardial Infarction. <i>Circulation Research</i> , 2010, 106, 1570-1581.	4.5	226
9	Intramyocardial Injection of Autologous Cardiospheres or Cardiosphere-Derived Cells Preserves Function and Minimizes Adverse Ventricular Remodeling in Pigs With Heart Failure Post-Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , 2011, 57, 455-465.	2.8	222
10	Dopamine-crosslinked TiO <sub>2</sub> /perovskite layer for efficient and photostable perovskite solar cells under full spectral continuous illumination. <i>Nano Energy</i> , 2019, 56, 733-740.	16.0	201
11	Slot-die coating large-area formamidinium-cesium perovskite film for efficient and stable parallel solar module. <i>Science Advances</i> , 2021, 7, .	10.3	165
12	Inkjet manipulated homogeneous large size perovskite grains for efficient and large-area perovskite solar cells. <i>Nano Energy</i> , 2018, 46, 203-211.	16.0	155
13	CAPON modulates cardiac repolarization via neuronal nitric oxide synthase signaling in the heart. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 4477-4482.	7.1	142
14	Lead-free tin perovskite solar cells. <i>Joule</i> , 2021, 5, 863-886.	24.0	134
15	Isolation and expansion of functionally-competent cardiac progenitor cells directly from heart biopsies. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 49, 312-321.	1.9	129
16	Impairment of HERG K <sup>+</sup> Channel Function by Tumor Necrosis Factor- $\alpha$ . <i>Journal of Biological Chemistry</i> , 2004, 279, 13289-13292.	3.4	125
17	Lowâ€“Dimensional Dionâ€“Jacobsonâ€“Phase Leadâ€“Free Perovskites for Highâ€“Performance Photovoltaics with Improved Stability. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6909-6914.	13.8	123
18	Optically Stimulated Synaptic Devices Based on the Hybrid Structure of Silicon Nanomembrane and Perovskite. <i>Nano Letters</i> , 2020, 20, 3378-3387.	9.1	121

#	ARTICLE	IF	CITATIONS
19	A Review on Encapsulation Technology from Organic Light Emitting Diodes to Organic and Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2021, 31, 2100151.	14.9	114
20	Impairment of Human Ether- $\text{A}$ -Go-Go-related Gene (HERG) K <sup>+</sup> Channel Function by Hypoglycemia and Hyperglycemia. <i>Journal of Biological Chemistry</i> , 2003, 278, 10417-10426.	3.4	104
21	Low-Dimensional Perovskites with Diammonium and Monoammonium Alternant Cations for High-Performance Photovoltaics. <i>Advanced Materials</i> , 2019, 31, e1901966.	21.0	96
22	Zero-power optoelectronic synaptic devices. <i>Nano Energy</i> , 2020, 73, 104790.	16.0	94
23	One-Step Inkjet Printed Perovskite in Air for Efficient Light Harvesting. <i>Solar Rrl</i> , 2018, 2, 1700217.	5.8	90
24	Expansion of human cardiac stem cells in physiological oxygen improves cell production efficiency and potency for myocardial repair. <i>Cardiovascular Research</i> , 2011, 89, 157-165.	3.8	89
25	Cardiac Regeneration and Stem Cells. <i>Physiological Reviews</i> , 2015, 95, 1189-1204.	28.8	86
26	Ink Engineering of Inkjet Printing Perovskite. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 39082-39091.	8.0	85
27	Restoring depressed HERG K <sup>+</sup> channel function as a mechanism for insulin treatment of abnormal QT prolongation and associated arrhythmias in diabetic rabbits. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 291, H1446-H1455.	3.2	84
28	Barrier Designs in Perovskite Solar Cells for Long-Term Stability. <i>Advanced Energy Materials</i> , 2020, 10, 2001610.	19.5	84
29	Chemical bath deposited rutile TiO <sub>2</sub> compact layer toward efficient planar heterojunction perovskite solar cells. <i>Applied Surface Science</i> , 2017, 391, 337-344.	6.1	76
30	Robust-Index Method for Household Load Scheduling Considering Uncertainties of Customer Behavior. <i>IEEE Transactions on Smart Grid</i> , 2015, 6, 1806-1818.	9.0	74
31	Enhancing efficiency of planar structure perovskite solar cells using Sn-doped TiO <sub>2</sub> as electron transport layer at low temperature. <i>Electrochimica Acta</i> , 2018, 261, 227-235.	5.2	74
32	Charge-Carrier Transport in Quasi-2D Ruddlesden-Popper Perovskite Solar Cells. <i>Advanced Materials</i> , 2022, 34, e2106822.	21.0	74
33	Dual-Modal Optoelectronic Synaptic Devices with Versatile Synaptic Plasticity. <i>Advanced Functional Materials</i> , 2022, 32, 2107973.	14.9	68
34	In situ growth of graphene on both sides of a Cu-Ni alloy electrode for perovskite solar cells with improved stability. <i>Nature Energy</i> , 2022, 7, 520-527.	39.5	68
35	Ionic Mechanisms Underlying Abnormal QT Prolongation and the Associated Arrhythmias in Diabetic Rabbits: A Role of Rapid Delayed Rectifier K <sup>+</sup> Current. <i>Cellular Physiology and Biochemistry</i> , 2007, 19, 225-238.	1.6	66
36	Mild solution-processed metal-doped TiO <sub>2</sub> compact layers for hysteresis-less and performance-enhanced perovskite solar cells. <i>Journal of Power Sources</i> , 2017, 372, 235-244.	7.8	66

#	ARTICLE	IF	CITATIONS
37	Progressive apoptotic cell death triggered by transient oxidative insult in H9c2 rat ventricular cells: a novel pattern of apoptosis and the mechanisms. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 286, H2169-H2182.	3.2	63
38	From Structural Design to Functional Construction: Amine Molecules in High-Performance Formamidinium-Based Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	63
39	Crystal-array-assisted growth of a perovskite absorption layer for efficient and stable solar cells. <i>Energy and Environmental Science</i> , 2022, 15, 1078-1085.	30.8	62
40	Bacterial reduction of selenate to elemental selenium utilizing molasses as a carbon source. <i>Bioresource Technology</i> , 2008, 99, 1267-1273.	9.6	61
41	Phase-Selective Synthesis and Self-Assembly of Monodisperse Copper Sulfide Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2008, 112, 13390-13394.	3.1	61
42	Two-dimensional perovskites: Impacts of species, components, and properties of organic spacers on solar cells. <i>Nano Today</i> , 2022, 43, 101394.	11.9	58
43	Making Room for Growing Oriented FASnI <sub>3</sub> with Large Grains via Cold Precursor Solution. <i>Advanced Functional Materials</i> , 2021, 31, 2100931.	14.9	57
44	Normal function of HERG K <sup>+</sup> channels expressed in HEK293 cells requires basal protein kinase B activity. <i>FEBS Letters</i> , 2003, 534, 125-132.	2.8	53
45	Efficient and Stable Tin Perovskite Solar Cells Enabled by Graded Heterostructure of Light-Absorbing Layer. <i>Solar Rrl</i> , 2020, 4, 2000240.	5.8	53
46	Crystallization kinetics modulation and defect suppression of all-inorganic CsPbX <sub>3</sub> perovskite films. <i>Energy and Environmental Science</i> , 2022, 15, 413-438.	30.8	53
47	Characteristics and reactivity of volatile organic compounds from non-coal emission sources in China. <i>Atmospheric Environment</i> , 2015, 115, 153-162.	4.1	52
48	Polyethyleneimine High-Energy Hydrophilic Surface Interfacial Treatment toward Efficient and Stable Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 32574-32580.	8.0	52
49	Stabilizing Fullerene for Burn-Free and Stable Perovskite Solar Cells under Ultraviolet Preconditioning and Light Soaking. <i>Advanced Materials</i> , 2021, 33, e2006910.	21.0	52
50	Bioinspired molecules design for bilateral synergistic passivation in buried interfaces of planar perovskite solar cells. <i>Nano Research</i> , 2022, 15, 1069-1078.	10.4	52
51	Boost the efficiency of nickel oxide-based formamidinium-cesium perovskite solar cells to 21% by using coumarin 343 dye as defect passivator. <i>Nano Energy</i> , 2022, 94, 106935.	16.0	49
52	Rear Electrode Materials for Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	49
53	THY-1 Receptor Expression Differentiates Cardiosphere-Derived Cells with Divergent Cardiogenic Differentiation Potential. <i>Stem Cell Reports</i> , 2014, 2, 576-591.	4.8	48
54	Performance enhancement of organic light-emitting diodes by chlorine plasma treatment of indium tin oxide. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	47

#	ARTICLE	IF	CITATIONS
55	Robust hole transport material with interface anchors enhances the efficiency and stability of inverted formamidinium cesium perovskite solar cells with a certified efficiency of 22.3%. <i>Energy and Environmental Science</i> , 2022, 15, 2567-2580.	30.8	46
56	Reactive plasma deposition of high quality single phase CuO thin films suitable for metal oxide solar cells. <i>Journal of Alloys and Compounds</i> , 2017, 695, 3116-3123.	5.5	45
57	Effects of A site doping on the crystallization of perovskite films. <i>Journal of Materials Chemistry A</i> , 2021, 9, 1372-1394.	10.3	43
58	Defect Passivation for Perovskite Solar Cells: from Molecule Design to Device Performance. <i>ChemSusChem</i> , 2021, 14, 4354-4376.	6.8	43
59	Heterogeneous FASnI <sub>3</sub> Absorber with Enhanced Electric Field for High-Performance Lead-Free Perovskite Solar Cells. <i>Nano-Micro Letters</i> , 2022, 14, 99.	27.0	43
60	Design of Low Bandgap CsPb <sub>1-x</sub> Sn <sub>x</sub> Br <sub>2</sub> Perovskite Solar Cells with Excellent Phase Stability. <i>Small</i> , 2021, 17, e2101380.	10.0	42
61	Single-cell imaging and transcriptomic analyses of endogenous cardiomyocyte dedifferentiation and cycling. <i>Cell Discovery</i> , 2019, 5, 30.	6.7	41
62	Lentiviral Vectors Bearing the Cardiac Promoter of the Na <sup>+</sup> -Ca <sup>2+</sup> Exchanger Report Cardiogenic Differentiation in Stem Cells. <i>Molecular Therapy</i> , 2008, 16, 957-964.	8.2	40
63	Concentration quenching of electroluminescence in neat Ir(ppy) <sub>3</sub> organic light-emitting diodes. <i>Journal of Applied Physics</i> , 2010, 108, .	2.5	40
64	HERG K <sup>+</sup> Channel Conductance Promotes H <sub>2</sub> O <sub>2</sub> -Induced Apoptosis in HEK293 Cells: Cellular Mechanisms. <i>Cellular Physiology and Biochemistry</i> , 2004, 14, 121-134.	1.6	39
65	A stochastic reverse logistics production routing model with environmental considerations. <i>Annals of Operations Research</i> , 2018, 271, 1023-1044.	4.1	39
66	Mechanically Robust and Flexible Perovskite Solar Cells via a Printable and Gelatinous Interface. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 19959-19969.	8.0	39
67	Low temperature Zn-doped TiO <sub>2</sub> as electron transport layer for 19% efficient planar perovskite solar cells. <i>Applied Surface Science</i> , 2019, 471, 28-35.	6.1	38
68	Sustainable Pb Management in Perovskite Solar Cells toward Eco-Friendly Development. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	38
69	Molecular characterization of heterogeneous mesenchymal stem cells with single-cell transcriptomes. <i>Biotechnology Advances</i> , 2013, 31, 312-317.	11.7	37
70	Carbon quantum dot-based fluorescent vesicles and chiral hydrogels with biosurfactant and biocompatible small molecule. <i>Soft Matter</i> , 2018, 14, 6983-6993.	2.7	37
71	Vacuum-Assisted Thermal Annealing of CsPbI <sub>3</sub> for Highly Stable and Efficient Inorganic Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	37
72	Functional Impairment of Human Resident Cardiac Stem Cells by the Cardiotoxic Antineoplastic Agent Trastuzumab. <i>Stem Cells Translational Medicine</i> , 2012, 1, 289-297.	3.3	36

#	ARTICLE	IF	CITATIONS
73	Lead-Free Perovskite Solar Cells with Over 10% Efficiency and Size 1 cm <sup>2</sup> Enabled by Solvent-Crystallization Regulation in a Two-Step Deposition Method. <i>ACS Energy Letters</i> , 2022, 7, 425-431.	17.4	36
74	Different Subtypes of $\beta$ -Adrenoceptor Modulate Different K <sup>+</sup> Currents via Different Signaling Pathways in Canine Ventricular Myocytes. <i>Journal of Biological Chemistry</i> , 2001, 276, 40811-40816.	3.4	35
75	Electroluminescence of green CdSe/ZnS quantum dots enhanced by harvesting excitons from phosphorescent molecules. <i>Applied Physics Letters</i> , 2010, 97, .	3.3	35
76	A retrospective study of NENs and miR-224 promotes apoptosis of BON-1 cells by targeting PCSK9 inhibition. <i>Oncotarget</i> , 2017, 8, 6929-6939.	1.8	35
77	Additive Engineering toward High-Performance Tin Perovskite Solar Cells. <i>Solar Rrl</i> , 2021, 5, 2100034.	5.8	34
78	Phospholipid Metabolite 1-Palmitoyl-Lysophosphatidylcholine Enhances Human Ether-a-Go-Go -Related Gene (HERG) K <sup>+</sup> Channel Function. <i>Circulation</i> , 2001, 104, 2645-2648.	1.6	33
79	Factors Affecting Reduction of Selenate to Elemental Selenium in Agricultural Drainage Water by <i>Enterobacter taylorae</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 7073-7078.	5.2	33
80	Covalently Connecting Crystal Grains with Polyvinylammonium Carbochain Backbone To Suppress Grain Boundaries for Long-Term Stable Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 6064-6071.	8.0	33
81	Epigenetic regulation of cardiac myocyte differentiation. <i>Frontiers in Genetics</i> , 2014, 5, 375.	2.3	30
82	Controllable printing of large-scale compact perovskite films for flexible photodetectors. <i>Nano Research</i> , 2022, 15, 1547-1553.	10.4	30
83	Reduction of Nonradiative Loss in Inverted Perovskite Solar Cells by Donor-Acceptor Dipoles. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 44321-44328.	8.0	30
84	Interface Energy Level Management toward Efficient Tin Perovskite Solar Cells with Hole-Transport-Layer-Free Structure. <i>Advanced Functional Materials</i> , 2021, 31, 2106560.	14.9	30
85	Removal of Selenate in River and Drainage Waters by <i>Citrobacter braakii</i> Enhanced with Zero-Valent Iron. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 152-156.	5.2	29
86	Analysis of synonymous codon usage in Hepatitis A virus. <i>Virology Journal</i> , 2011, 8, 174.	3.4	29
87	Photoluminescent and pH-responsive supramolecular structures from co-assembly of carbon quantum dots and zwitterionic surfactant micelles. <i>Journal of Materials Chemistry B</i> , 2018, 6, 7021-7032.	5.8	27
88	Potential mechanisms for the enhancement of HERG K <sup>+</sup> channel function by phospholipid metabolites. <i>British Journal of Pharmacology</i> , 2004, 141, 586-599.	5.4	26
89	Low-Dimensional Dion-Jacobson Phase Lead-Free Perovskites for High-Performance Photovoltaics with Improved Stability. <i>Angewandte Chemie</i> , 2020, 132, 6976-6981.	2.0	26
90	Highly efficient and stable inorganic CsPbBr <sub>3</sub> perovskite solar cells via vacuum co-evaporation. <i>Applied Surface Science</i> , 2021, 562, 150153.	6.1	26

#	ARTICLE	IF	CITATIONS
91	Flexible and Wearable Optoelectronic Devices Based on Perovskites. <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	26
92	Fate of Selenate Metabolized by <i>Enterobacter taylorae</i> Isolated from Rice Straw. <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 3609-3613.	5.2	25
93	Epigenomic Reprogramming of Adult Cardiomyocyte-Derived Cardiac Progenitor Cells. <i>Scientific Reports</i> , 2015, 5, 17686.	3.3	25
94	β-1,3-Glucan recognition protein 3 activates the prophenoloxidase system in response to bacterial infection in <i>Ostrinia furnacalis</i> Guenée. <i>Developmental and Comparative Immunology</i> , 2018, 79, 31-43.	2.3	25
95	Stable perovskite solar cells with 23.12% efficiency and area over 1 cm <sup>2</sup> by an all-in-one strategy. <i>Science China Chemistry</i> , 2022, 65, 1321-1329.	8.2	25
96	Light-Induced Ion Rectification in Zigzag Nanochannels. <i>Chemistry - an Asian Journal</i> , 2015, 10, 2733-2737.	3.3	24
97	Enhanced Efficiency of Perovskite Solar Cells by using Core-Ultrathin Shell Structure Ag@SiO <sub>2</sub> Nanowires as Plasmonic Antennas. <i>Advanced Electronic Materials</i> , 2017, 3, 1700169.	5.1	24
98	High-efficiency perovskite solar cells based on self-assembly n-doped fullerene derivative with excellent thermal stability. <i>Journal of Power Sources</i> , 2019, 413, 459-466.	7.8	24
99	Repressive histone methylation regulates cardiac myocyte cell cycle exit. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 121, 1-12.	1.9	23
100	Selenate Reduction in River Water by <i>Citrobacter freundii</i> Isolated from a Selenium-Contaminated Sediment. <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 1594-1600.	5.2	22
101	Distribution, variability and sources of tropospheric ozone over south China in spring: Intensive ozonesonde measurements at five locations and modeling analysis. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	21
102	Low-temperature processed tantalum/niobium co-doped TiO <sub>2</sub> electron transport layer for high-performance planar perovskite solar cells. <i>Nanotechnology</i> , 2021, 32, 245201.	2.6	21
103	Significant Influences of Elaborately Modulating Electron Donors on Light Absorption and Multichannel Charge-Transfer Dynamics for 4-(Benzo[1,2,5]thiadiazol-4-yl)ethynyl)benzoic Acid Dyes. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 18292-18300.	8.0	20
104	Simultaneous removal of chlorothalonil and nitrate by <i>Bacillus cereus</i> strain NS1. <i>Science of the Total Environment</i> , 2007, 382, 383-387.	8.0	19
105	Strategies for highly efficient and stable cesium lead iodide perovskite photovoltaics: mechanisms and processes. <i>Journal of Materials Chemistry C</i> , 2022, 10, 4999-5023.	5.5	19
106	FAPb <sub>3</sub> Perovskite Solar Cells: From Film Morphology Regulation to Device Optimization. <i>Solar Rrl</i> , 2022, 6, .	5.8	19
107	In-Situ Characterization for Understanding the Degradation in Perovskite Solar Cells. <i>Solar Rrl</i> , 2022, 6, .	5.8	19
108	Characterization of Selenate Removal from Drainage Water Using Rice Straw. <i>Journal of Environmental Quality</i> , 2003, 32, 441-446.	2.0	18

#	ARTICLE	IF	CITATIONS
109	Strong temperature-dependent crystallization, phase transition, optical and electrical characteristics of p-type CuAlO <sub>2</sub> thin films. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 557-562.	2.8	18
110	Targeted MicroRNA Interference Promotes Postnatal Cardiac Cell Cycle Re-Entry. <i>Journal of Regenerative Medicine</i> , 2013, 02, 2.	0.1	18
111	A general method for growth of perovskite single-crystal arrays for high performance photodetectors. <i>Nano Research</i> , 2022, 15, 6568-6573.	10.4	18
112	Methylammonium and Bromide-Free Tin-Based Low Bandgap Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	18
113	Application of Redox Mediator To Accelerate Selenate Reduction to Elemental Selenium by <i>Enterobacter taylorae</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 5714-5717.	5.2	17
114	Clip domain prophenoloxidase activating protease is required for <i>Ostrinia furnacalis</i> Guenée to defend against bacterial infection. <i>Developmental and Comparative Immunology</i> , 2018, 87, 204-215.	2.3	17
115	From Structural Design to Functional Construction: Amine Molecules in High-Performance Formamidinium-Based Perovskite Solar Cells. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	17
116	Strain release of formamidinium-cesium perovskite with imprint-assisted organic ammonium halide compensation for efficient and stable solar cells. <i>Nano Energy</i> , 2022, 101, 107594.	16.0	17
117	Monsoon-driven transport of atmospheric mercury to the South China Sea from the Chinese mainland and Southeast Asia—Observation of gaseous elemental mercury at a background station in South China. <i>Environmental Science and Pollution Research</i> , 2016, 23, 21631-21640.	5.3	16
118	Optical characterization of CdSe quantum dots with metal chalcogenide ligands in solutions and solids. <i>Applied Physics Letters</i> , 2011, 99, 023106.	3.3	15
119	Novel Biomarkers of Arterial and Venous Ischemia in Microvascular Flaps. <i>PLoS ONE</i> , 2013, 8, e71628.	2.5	15
120	Single-cell transcriptome and epigenomic reprogramming of cardiomyocyte-derived cardiac progenitor cells. <i>Scientific Data</i> , 2016, 3, 160079.	5.3	15
121	Low-grade heat utilization by supercritical carbon dioxide Rankine cycle: Analysis on the performance of gas heater subjected to heat flux and convective boundary conditions. <i>Energy Conversion and Management</i> , 2018, 162, 39-54.	9.2	15
122	sFRP1 has a biphasic effect on doxorubicin-induced cardiotoxicity in a cellular location-dependent manner in NRCMs and Rats. <i>Archives of Toxicology</i> , 2019, 93, 533-546.	4.2	15
123	Effect of zero-valent iron and a redox mediator on removal of selenium in agricultural drainage water. <i>Science of the Total Environment</i> , 2008, 407, 89-96.	8.0	14
124	PbS QDs as Electron Blocking Layer Toward Efficient and Stable Perovskite Solar Cells. <i>IEEE Journal of Photovoltaics</i> , 2019, 9, 194-199.	2.5	14
125	Perovskite-Enhanced Silicon-Nanocrystal Optoelectronic Synaptic Devices for the Simulation of Biased and Correlated Random-Walk Learning. <i>Research</i> , 2020, 2020, 7538450.	5.7	14
126	Droplet Manipulation and Crystallization Regulation in Inkjet-Printed Perovskite Film Formation. <i>CCS Chemistry</i> , 2022, 4, 1465-1485.	7.8	14



#	ARTICLE	IF	CITATIONS
127	Efficient and reliable green organic light-emitting diodes with Cl <sub>2</sub> plasma-etched indium tin oxide anode. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	13
128	Characterization of zinc-tin-oxide films deposited by thermal co-evaporation. <i>Thin Solid Films</i> , 2012, 520, 6130-6133.	1.8	13
129	Electronic and Optical Properties of Threading Dislocations in n-Type 4H-SiC. <i>ACS Applied Electronic Materials</i> , 2022, 4, 1678-1683.	4.3	13
130	Removal of Selenate in Simulated Agricultural Drainage Water by a Rice Straw Bioreactor Channel System. <i>Journal of Environmental Quality</i> , 2003, 32, 1650-1657.	2.0	12
131	MicroRNA miR-133 represses HERG K <sup>+</sup> channel expression contributing to QT prolongation in diabetic hearts.. <i>Journal of Biological Chemistry</i> , 2011, 286, 28656.	3.4	12
132	Impact of refined land surface properties on the simulation of a heavy convective rainfall process in the Pearl River Delta region, China. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2014, 50, 645-655.	2.3	12
133	Stable high-performance perovskite solar cells based on inorganic electron transporting bi-layers. <i>Nanotechnology</i> , 2018, 29, 385401.	2.6	12
134	Poly(ADP-ribose) polymerase 1 induces cardiac fibrosis by mediating mammalian target of rapamycin activity. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 4813-4826.	2.6	11
135	Carboniferous-Permian rugose coral <i>Cyathaxonia</i> faunas in China. <i>Science China Earth Sciences</i> , 2010, 53, 1864-1872.	5.2	10
136	Potential Therapeutic Value of Antioxidants for Abnormal Prolongation of QT Interval and the Associated Arrhythmias in a Rabbit Model of Diabetes. <i>Cellular Physiology and Biochemistry</i> , 2011, 28, 97-102.	1.6	9
137	Revealing the Correlation of Light Soaking Effect with Ion Migration in Perovskite Solar Cells. <i>Solar Rrl</i> , 2022, 6, .	5.8	9
138	Organic thin film structures for high-sensitivity imaging of contact stress distributions. <i>Organic Electronics</i> , 2011, 12, 306-311.	2.6	8
139	Evaluation of all-inorganic CdSe quantum dot thin films for optoelectronic applications. <i>Nanotechnology</i> , 2012, 23, 275702.	2.6	8
140	Understanding the Influence of Cation and Anion Migration on Mixed-Composition Perovskite Solar Cells via Transient Ion Drift. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021, 15, 2100225.	2.4	8
141	Partial discharge characteristics of interturn insulation used for inverter-fed traction motor under bipolar impulses. <i>Science China Technological Sciences</i> , 2012, 55, 2346-2354.	4.0	7
142	Improved luminescence from CdSe quantum dots with a strain-compensated shell. <i>Applied Physics Letters</i> , 2013, 102, 023106.	3.3	7
143	Effect of input pathways and altitudes on spatial distribution of polycyclic aromatic hydrocarbons in background soils, the Tibetan Plateau. <i>Environmental Science and Pollution Research</i> , 2015, 22, 10890-10901.	5.3	7
144	Molecular mechanisms of melatonin in the reversal of LPS-induced EMT in peritoneal mesothelial cells. <i>Molecular Medicine Reports</i> , 2016, 14, 4342-4348.	2.4	7

#	ARTICLE	IF	CITATIONS
145	A Criterion of Crop Selection Based on the Novel Concept of an Agrivoltaic Unit and M-matrix for Agrivoltaic Systems. , 2018, , .		7
146	Regenerating Gene 1B Silencing Inhibits Colon Cancer Cell HCT116 Proliferation and Invasion. International Journal of Biological Markers, 2015, 30, 217-225.	1.8	6
147	Spark-less electrostatic discharge (ESD) on display screens. , 2015, , .		6
148	Perovskite Solar Cells: Low-Dimensional Perovskites with Diammonium and Monoammonium Alternant Cations for High-Performance Photovoltaics (Adv. Mater. 35/2019). Advanced Materials, 2019, 31, 1970252.	21.0	6
149	Behavioral Economics Optimized Renewable Power Grid: A Case Study of Household Energy Storage. Energies, 2021, 14, 4154.	3.1	6
150	Photoluminescent lyotropic liquid crystals formed by Tyloxapol and n-dodecyl tetraethylene monoether. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 537, 343-350.	4.7	5
151	Nitrogen Decoration of Basal Plane Dislocations in $4H$ $\text{SiC}$ . Physical Review Applied, 2022, 17, .	3.8	5
152	Stabilizing all-inorganic $\text{CsPbI}_3$ perovskite films with polyacrylonitrile for photovoltaic solar cells. Energy Advances, 2022, 1, 62-66.	3.3	4
153	Receptor-interacting protein 140 overexpression impairs cardiac mitochondrial function and accelerates the transition to heart failure in chronically infarcted rats. Translational Research, 2017, 180, 91-102.e1.	5.0	3
154	An Economic Model of Human Cooperation Based on Indirect Reciprocity and Its Implication on Environmental Protection. International Journal of Environmental Research and Public Health, 2018, 15, 1303.	2.6	3
155	Towards a Data-Driven Symbiosis of Agriculture and Photovoltaics. , 2019, , .		3
156	Perovskite Solar Cells: Barrier Designs in Perovskite Solar Cells for Long-Term Stability (Adv. Energy) Tj ETQq0 0 0 rgt /Overlock 10 Tf	19.5	3
157	Pen-writing high-quality perovskite films and degradable optoelectronic devices. RSC Advances, 2022, 12, 3924-3930.	3.6	2
158	Optoelectronic Stress Sensor Based on a Quantum Dot-Organic Semiconductor Nanocomposite. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 24-28.	2.9	1
159	Kick-out diffusion of Al in 4H-SiC: an <i>ab initio</i> study. Journal of Applied Physics, 2022, 132, .	2.5	1
160	Development of a software-based IF GPS signal simulator. , 2009, , .		0
161	Ocean surface winds measurement using reflected GNSS signals. , 2010, , .		0
162	Enhanced Electroluminescence of CdSe/ZnS Quantum Dot Light-emitting Diodes with Phosphorescent Donors. Materials Research Society Symposia Proceedings, 2011, 1348, 140101.	0.1	0

#	ARTICLE	IF	CITATIONS
163	Phosphorescent Organic Light-emitting Devices to Sense Contact Stresses. Materials Research Society Symposia Proceedings, 2011, 1358, 60401.	0.1	0
164	Evaluation of colloidal CdSe quantum dots with metal chalcogenide ligands for optoelectronic applications. Materials Research Society Symposia Proceedings, 2012, 1409, 19.	0.1	0
165	Luminescence enhancement of colloidal quantum dots by strain compensation. Materials Research Society Symposia Proceedings, 2013, 1547, 109-114.	0.1	0
166	Co-Control of GHGs and Local Pollutants Under New Climate Regime. Chinese Journal of Urban and Environmental Studies, 2015, 03, 1550010.	1.3	0
167	Bacterial Reduction of Selenium. Global Issues in Water Policy, 2014, , 165-184.	0.1	0
168	Abstract 3506: ncRNA regulation of eribulin response in neuroblastoma. , 2017, , .		0
169	Abstract 5444: Therapeutic potential of miR-195 in non-small cell lung cancer. , 2017, , .		0
170	Abstract 1076: Identifying biomarkers of metastasis through biosynthetic tagging. , 2018, , .		0
171	Abstract 4402: MiR-195 potentiates the efficacy of microtubule-targeting agents in non-small cell lung cancer. , 2018, , .		0
172	Vacuum-Assisted Thermal Annealing of CsPbI <sub>3</sub> for Highly Stable and Efficient Inorganic Perovskite Solar Cells. Angewandte Chemie, 0, , .	2.0	0