Yiqiang Zhang

List of Publications by Year
in descending order

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172 papers	8,379 citations	47 h-index	83 g-index
		47006	56724
175 all docs	175 docs citations	175 times ranked	8662 citing authors

#	Article	IF	Citations
1	Bioinspired molecules design for bilateral synergistic passivation in buried interfaces of planar perovskite solar cells. Nano Research, 2022, 15, 1069-1078.	10.4	52
2	Controllable printing of large-scale compact perovskite films for flexible photodetectors. Nano Research, 2022, 15, 1547-1553.	10.4	30
3	Dualâ€Modal Optoelectronic Synaptic Devices with Versatile Synaptic Plasticity. Advanced Functional Materials, 2022, 32, 2107973.	14.9	68
4	Chargeâ€Carrier Transport in Quasiâ€2D Ruddlesdenâ€“Popper Perovskite Solar Cells. Advanced Materials, 2022, 34, e2106822.	21.0	74
5	Flexible and Wearable Optoelectronic Devices Based on Perovskites. Advanced Materials Technologies, 2022, 7, .	5.8	26
6	Crystallization kinetics modulation and defect suppression of all-inorganic CsPbX₃ perovskite films. Energy and Environmental Science, 2022, 15, 413-438.	30.8	53
7	Crystal-array-assisted growth of a perovskite absorption layer for efficient and stable solar cells. Energy and Environmental Science, 2022, 15, 1078-1085.	30.8	62
8	Droplet Manipulation and Crystallization Regulation in Inkjet-Printed Perovskite Film Formation. CCS Chemistry, 2022, 4, 1465-1485.	7.8	14
9	Pen-writing high-quality perovskite films and degradable optoelectronic devices. RSC Advances, 2022, 12, 3924-3930.	3.6	2
10	Stabilizing all-inorganic CsPbI₃ perovskite films with polyacrylonitrile for photovoltaic solar cells. Energy Advances, 2022, 1, 62-66.	3.3	4
11	Boost the efficiency of nickel oxide-based formamidinium-cesium perovskite solar cells to 21% by using coumarin 343 dye as defect passivator. Nano Energy, 2022, 94, 106935.	16.0	49
12	Two-dimensional perovskites: Impacts of species, components, and properties of organic spacers on solar cells. Nano Today, 2022, 43, 101394.	11.9	58
13	From Structural Design to Functional Construction: Amine Molecules in Highâ€Performance Formamidiniumâ€Based Perovskite Solar Cells. Angewandte Chemie, 2022, 134, .	2.0	17
14	From Structural Design to Functional Construction: Amine Molecules in Highâ€Performance Formamidiniumâ€Based Perovskite Solar Cells. Angewandte Chemie - International Edition, 2022, 61, .	13.8	63
15	Strategies for highly efficient and stable cesium lead iodide perovskite photovoltaics: mechanisms and processes. Journal of Materials Chemistry C, 2022, 10, 4999-5023.	5.5	19
16	FAPbI₃ Perovskite Solar Cells: From Film Morphology Regulation to Device Optimization. Solar Rrl, 2022, 6, .	5.8	19
17	Revealing the Correlation of Light Soaking Effect with Ion Migration in Perovskite Solar Cells. Solar Rrl, 2022, 6, .	5.8	9
18	A general method for growth of perovskite single-crystal arrays for high performance photodetectors. Nano Research, 2022, 15, 6568-6573.	10.4	18

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19	Heterogeneous FASnI3 Absorber with Enhanced Electric Field for High-Performance Lead-Free Perovskite Solar Cells. Nano-Micro Letters, 2022, 14, 99.	27.0	43
20	Lead-Free Perovskite Solar Cells with Over 10% Efficiency and Size 1 cm² Enabled by Solventâ€“Crystallization Regulation in a Two-Step Deposition Method. ACS Energy Letters, 2022, 7, 425-431.	17.4	36
21	Stable perovskite solar cells with 23.12% efficiency and area over 1 cm2 by an all-in-one strategy. Science China Chemistry, 2022, 65, 1321-1329.	8.2	25
22	Inâ€‰Situ Characterization for Understanding the Degradation in Perovskite Solar Cells. Solar Rrl, 2022, 6, .	5.8	19
23	Electronic and Optical Properties of Threading Dislocations in n-Type 4H-SiC. ACS Applied Electronic Materials, 2022, 4, 1678-1683.	4.3	13
24	Robust hole transport material with interface anchors enhances the efficiency and stability of inverted formamidiniumâ€“cesium perovskite solar cells with a certified efficiency of 22.3%. Energy and Environmental Science, 2022, 15, 2567-2580.	30.8	46
25	Rear Electrode Materials for Perovskite Solar Cells. Advanced Functional Materials, 2022, 32, .	14.9	49
26	Nitrogen Decoration of Basal-Plane Dislocations in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mn>4</mml:mn><mml:mrow><mml:mrow><mml:mi mathvariant="normal">H</mml:mi></mml:mrow></mml:mrow></mml:math> - <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mi>SiC</mml:mi></mml:math>. Physical Review Applied, 2022, 17, .	3.8	5
27	Vacuumâ€Assisted Thermal Annealing of CsPbI₃ for Highly Stable and Efficient Inorganic Perovskite Solar Cells. Angewandte Chemie - International Edition, 2022, 61, .	13.8	37
28	In situ growth of graphene on both sides of a Cuâ€“Ni alloy electrode for perovskite solar cells with improved stability. Nature Energy, 2022, 7, 520-527.	39.5	68
29	Methylammonium and Bromideâ€Free Tinâ€Based Low Bandgap Perovskite Solar Cells. Advanced Energy Materials, 2022, 12, .	19.5	18
30	Sustainable Pb Management in Perovskite Solar Cells toward Ecoâ€Friendly Development. Advanced Energy Materials, 2022, 12, .	19.5	38
31	Kick-out diffusion of Al in 4H-SiC: an ab initio study. Journal of Applied Physics, 2022, 132, .	2.5	1
32	Strain release of formamidinium-cesium perovskite with imprint-assisted organic ammonium halide compensation for efficient and stable solar cells. Nano Energy, 2022, 101, 107594.	16.0	17
33	Effects of A site doping on the crystallization of perovskite films. Journal of Materials Chemistry A, 2021, 9, 1372-1394.	10.3	43
34	Stabilizing Fullerene for Burnâ€inâ€Free and Stable Perovskite Solar Cells under Ultraviolet Preconditioning and Light Soaking. Advanced Materials, 2021, 33, e2006910.	21.0	52
35	Additive Engineering toward Highâ€Performance Tin Perovskite Solar Cells. Solar Rrl, 2021, 5, 2100034.	5.8	34
36	A Review on Encapsulation Technology from Organic Light Emitting Diodes to Organic and Perovskite Solar Cells. Advanced Functional Materials, 2021, 31, 2100151.	14.9	114

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37	Low-temperature processed tantalum/niobium co-doped TiO₂ electron transport layer for high-performance planar perovskite solar cells. Nanotechnology, 2021, 32, 245201.	2.6	21
38	Mechanically Robust and Flexible Perovskite Solar Cells via a Printable and Gelatinous Interface. ACS Applied Materials & Interfaces, 2021, 13, 19959-19969.	8.0	39
39	Making Room for Growing Oriented FASnI₃ with Large Grains via Cold Precursor Solution. Advanced Functional Materials, 2021, 31, 2100931.	14.9	57
40	Slot-die coating large-area formamidinium-cesium perovskite film for efficient and stable parallel solar module. Science Advances, 2021, 7, .	10.3	165
41	Lead-free tin perovskite solar cells. Joule, 2021, 5, 863-886.	24.0	134
42	Design of Low Bandgap CsPb_{1â^'}_xSn_xI₂Br Perovskite Solar Cells with Excellent Phase Stability. Small, 2021, 17, e2101380.	10.0	42
43	Understanding the Influence of Cation and Anion Migration on Mixedâ€Composition Perovskite Solar Cells via Transient Ion Drift. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2100225.	2.4	8
44	Behavioral Economics Optimized Renewable Power Grid: A Case Study of Household Energy Storage. Energies, 2021, 14, 4154.	3.1	6
45	The Main Progress of Perovskite Solar Cells in 2020â€“2021. Nano-Micro Letters, 2021, 13, 152.	27.0	250
46	Reduction of Nonradiative Loss in Inverted Perovskite Solar Cells by Donorâ^Ï€â€“Acceptor Dipoles. ACS Applied Materials & Interfaces, 2021, 13, 44321-44328.	8.0	30
47	Defect Passivation for Perovskite Solar Cells: from Molecule Design to Device Performance. ChemSusChem, 2021, 14, 4354-4376.	6.8	43
48	Interface Energyâ€Level Management toward Efficient Tin Perovskite Solar Cells with Holeâ€Transportâ€Layerâ€Free Structure. Advanced Functional Materials, 2021, 31, 2106560.	14.9	30
49	Highly efficient and stable inorganic CsPbBr3 perovskite solar cells via vacuum co-evaporation. Applied Surface Science, 2021, 562, 150153.	6.1	26
50	Barrier Designs in Perovskite Solar Cells for Longâ€Term Stability. Advanced Energy Materials, 2020, 10, 2001610.	19.5	84
51	Ink Engineering of Inkjet Printing Perovskite. ACS Applied Materials & Interfaces, 2020, 12, 39082-39091.	8.0	85
52	Perovskite Solar Cells: Barrier Designs in Perovskite Solar Cells for Longâ€Term Stability (Adv. Energy) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	19.5	3
53	Efficient and Stable Tin Perovskite Solar Cells Enabled by Graded Heterostructure of Lightâ€Absorbing Layer. Solar Rrl, 2020, 4, 2000240.	5.8	53
54	Optically Stimulated Synaptic Devices Based on the Hybrid Structure of Silicon Nanomembrane and Perovskite. Nano Letters, 2020, 20, 3378-3387.	9.1	121

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55	Lowâ€Dimensional Dionâ€“Jacobsonâ€Phase Leadâ€Free Perovskites for Highâ€Performance Photovoltaics with Improved Stability. Angewandte Chemie - International Edition, 2020, 59, 6909-6914.	13.8	123
56	Lowâ€Dimensional Dionâ€“Jacobsonâ€Phase Leadâ€Free Perovskites for Highâ€Performance Photovoltaics with Improved Stability. Angewandte Chemie, 2020, 132, 6976-6981.	2.0	26
57	Zero-power optoelectronic synaptic devices. Nano Energy, 2020, 73, 104790.	16.0	94
58	Perovskite-Enhanced Silicon-Nanocrystal Optoelectronic Synaptic Devices for the Simulation of Biased and Correlated Random-Walk Learning. Research, 2020, 2020, 7538450.	5.7	14
59	Lowâ€Dimensional Perovskites with Diammonium and Monoammonium Alternant Cations for Highâ€Performance Photovoltaics. Advanced Materials, 2019, 31, e1901966.	21.0	96
60	Perovskite Solar Cells: Lowâ€Dimensional Perovskites with Diammonium and Monoammonium Alternant Cations for Highâ€Performance Photovoltaics (Adv. Mater. 35/2019). Advanced Materials, 2019, 31, 1970252.	21.0	6
61	Single-cell imaging and transcriptomic analyses of endogenous cardiomyocyte dedifferentiation and cycling. Cell Discovery, 2019, 5, 30.	6.7	41
62	Towards a Data-Driven Symbiosis of Agriculture and Photovoltaics. , 2019, , .		3
63	PbS QDs as Electron Blocking Layer Toward Efficient and Stable Perovskite Solar Cells. IEEE Journal of Photovoltaics, 2019, 9, 194-199.	2.5	14
64	Dopamine-crosslinked TiO2/perovskite layer for efficient and photostable perovskite solar cells under full spectral continuous illumination. Nano Energy, 2019, 56, 733-740.	16.0	201
65	High-efficiency perovskite solar cells based on self-assembly n-doped fullerene derivative with excellent thermal stability. Journal of Power Sources, 2019, 413, 459-466.	7.8	24
66	sFRP1 has a biphasic effect on doxorubicin-induced cardiotoxicity in a cellular location-dependent manner in NRCMs and Rats. Archives of Toxicology, 2019, 93, 533-546.	4.2	15
67	Low temperature Zn-doped TiO2 as electron transport layer for 19% efficient planar perovskite solar cells. Applied Surface Science, 2019, 471, 28-35.	6.1	38
68	Poly(ADPâ€ribose) polymerase 1 induces cardiac fibrosis by mediating mammalian target of rapamycin activity. Journal of Cellular Biochemistry, 2019, 120, 4813-4826.	2.6	11
69	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. Energy Conversion and Management, 2018, 162, 39-54.	9.2	15
70	Inkjet manipulated homogeneous large size perovskite grains for efficient and large-area perovskite solar cells. Nano Energy, 2018, 46, 203-211.	16.0	155
71	Oneâ€Step Inkjet Printed Perovskite in Air for Efficient Light Harvesting. Solar Rrl, 2018, 2, 1700217.	5.8	90
72	Enhancing efficiency of planar structure perovskite solar cells using Sn-doped TiO2 as electron transport layer at low temperature. Electrochimica Acta, 2018, 261, 227-235.	5.2	74

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73	Î²-1,3-Glucan recognition protein 3 activates the prophenoloxidase system in response to bacterial infection in Ostrinia furnacalis GuenÃ©e. Developmental and Comparative Immunology, 2018, 79, 31-43.	2.3	25
74	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
75	A Criterion of Crop Selection Based on the Novel Concept of an Agrivoltaic Unit and M-matrix for Agrivoltaic Systems. , 2018, , .		7
76	Photoluminescent and pH-responsive supramolecular structures from co-assembly of carbon quantum dots and zwitterionic surfactant micelles. Journal of Materials Chemistry B, 2018, 6, 7021-7032.	5.8	27
77	Phase Pure 2D Perovskite for Highâ€Performance 2Dâ€“3D Heterostructured Perovskite Solar Cells. Advanced Materials, 2018, 30, e1805323.	21.0	244
78	A stochastic reverse logistics production routing model with environmental considerations. Annals of Operations Research, 2018, 271, 1023-1044.	4.1	39
79	Repressive histone methylation regulates cardiac myocyte cell cycle exit. Journal of Molecular and Cellular Cardiology, 2018, 121, 1-12.	1.9	23
80	Stable high-performance perovskite solar cells based on inorganic electron transporting bi-layers. Nanotechnology, 2018, 29, 385401.	2.6	12
81	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
82	Clip domain prophenoloxidase activating protease is required for Ostrinia furnacalis GuenÃ©e to defend against bacterial infection. Developmental and Comparative Immunology, 2018, 87, 204-215.	2.3	17
83	Carbon quantum dot-based fluorescent vesicles and chiral hydrogels with biosurfactant and biocompatible small molecule. Soft Matter, 2018, 14, 6983-6993.	2.7	37
84	Abstract 1076: Identifying biomarkers of metastasis through biosynthetic tagging. , 2018, , .		0
85	Abstract 4402: MiR-195 potentiates the efficacy of microtubule-targeting agents in non-small cell lung cancer. , 2018, , .		0
86	Chemical bath deposited rutile TiO 2 compact layer toward efficient planar heterojunction perovskite solar cells. Applied Surface Science, 2017, 391, 337-344.	6.1	76
87	Covalently Connecting Crystal Grains with Polyvinylammonium Carbochain Backbone To Suppress Grain Boundaries for Long-Term Stable Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 6064-6071.	8.0	33
88	Reactive plasma deposition of high quality single phase CuO thin films suitable for metal oxide solar cells. Journal of Alloys and Compounds, 2017, 695, 3116-3123.	5.5	45
89	Enhanced Efficiency of Perovskite Solar Cells by using Coreâ€“Ultrathin Shell Structure Ag@SiO₂ Nanowires as Plasmonic Antennas. Advanced Electronic Materials, 2017, 3, 1700169.	5.1	24
90	Mild solution-processed metal-doped TiO2 compact layers for hysteresis-less and performance-enhanced perovskite solar cells. Journal of Power Sources, 2017, 372, 235-244.	7.8	66

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91	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
92	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
93	A retrospective study of NENs and miR-224 promotes apoptosis of BON-1 cells by targeting PCSK9 inhibition. Oncotarget, 2017, 8, 6929-6939.	1.8	35
94	Abstract 3506: ncRNA regulation of eribulin response in neuroblastoma. , 2017, , .		0
95	Abstract 5444: Therapeutic potential of miR-195 in non-small cell lung cancer. , 2017, , .		0
96	Molecular mechanisms of melatonin in the reversal of LPS-induced EMT in peritoneal mesothelial cells. Molecular Medicine Reports, 2016, 14, 4342-4348.	2.4	7
97	Monsoon-driven transport of atmospheric mercury to the South China Sea from the Chinese mainland and Southeast Asiaâ€”Observation of gaseous elemental mercury at a background station in South China. Environmental Science and Pollution Research, 2016, 23, 21631-21640.	5.3	16
98	Significant Influences of Elaborately Modulating Electron Donors on Light Absorption and Multichannel Charge-Transfer Dynamics for 4-(Benzo[c][1,2,5]thiadiazol-4-ylethynyl)benzoic Acid Dyes. ACS Applied Materials & Interfaces, 2016, 8, 18292-18300.	8.0	20
99	Single-cell transcriptome and epigenomic reprogramming of cardiomyocyte-derived cardiac progenitor cells. Scientific Data, 2016, 3, 160079.	5.3	15
100	Polyethyleneimine High-Energy Hydrophilic Surface Interfacial Treatment toward Efficient and Stable Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 32574-32580.	8.0	52
101	Epigenomic Reprogramming of Adult Cardiomyocyte-Derived Cardiac Progenitor Cells. Scientific Reports, 2015, 5, 17686.	3.3	25
102	Co-Control of GHGs and Local Pollutants Under New Climate Regime. Chinese Journal of Urban and Environmental Studies, 2015, 03, 1550010.	1.3	0
103	Lightâ€Induced Ion Rectification in Zigzag Nanochannels. Chemistry - an Asian Journal, 2015, 10, 2733-2737.	3.3	24
104	Regenerating Gene 1B Silencing Inhibits Colon Cancer Cell HCT116 Proliferation and Invasion. International Journal of Biological Markers, 2015, 30, 217-225.	1.8	6
105	Spark-less electrostatic discharge (ESD) on display screens. , 2015, , .		6
106	Strong temperature-dependent crystallization, phase transition, optical and electrical characteristics of p-type CuAlO₂thin films. Physical Chemistry Chemical Physics, 2015, 17, 557-562.	2.8	18
107	Characteristics and reactivity of volatile organic compounds from non-coal emission sources in China. Atmospheric Environment, 2015, 115, 153-162.	4.1	52
108	Robust-Index Method for Household Load Scheduling Considering Uncertainties of Customer Behavior. IEEE Transactions on Smart Grid, 2015, 6, 1806-1818.	9.0	74

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109	Effect of input pathways and altitudes on spatial distribution of polycyclic aromatic hydrocarbons in background soils, the Tibetan Plateau. Environmental Science and Pollution Research, 2015, 22, 10890-10901.	5.3	7
110	Cardiac Regeneration and Stem Cells. Physiological Reviews, 2015, 95, 1189-1204.	28.8	86
111	Epigenetic regulation of cardiac myocyte differentiationÃ¢â‚¬Â. Frontiers in Genetics, 2014, 5, 375.	2.3	30
112	Impact of refined land surface properties on the simulation of a heavy convective rainfall process in the Pearl River Delta region, China. Asia-Pacific Journal of Atmospheric Sciences, 2014, 50, 645-655.	2.3	12
113	THY-1 Receptor Expression Differentiates Cardiosphere-Derived Cells with Divergent Cardiogenic Differentiation Potential. Stem Cell Reports, 2014, 2, 576-591.	4.8	48
114	Bacterial Reduction of Selenium. Global Issues in Water Policy, 2014, , 165-184.	0.1	0
115	Improved luminescence from CdSe quantum dots with a strain-compensated shell. Applied Physics Letters, 2013, 102, 023106.	3.3	7
116	Cardiomyocyte proliferation and progenitor cell recruitment underlie therapeutic regeneration after myocardial infarction in the adult mouse heart. EMBO Molecular Medicine, 2013, 5, 191-209.	6.9	268
117	Molecular characterization of heterogeneous mesenchymal stem cells with single-cell transcriptomes. Biotechnology Advances, 2013, 31, 312-317.	11.7	37
118	Luminescence enhancement of colloidal quantum dots by strain compensation. Materials Research Society Symposia Proceedings, 2013, 1547, 109-114.	0.1	0
119	Novel Biomarkers of Arterial and Venous Ischemia in Microvascular Flaps. PLoS ONE, 2013, 8, e71628.	2.5	15
120	Targeted MicroRNA Interference Promotes Postnatal Cardiac Cell Cycle Re-Entry. Journal of Regenerative Medicine, 2013, 02, 2.	0.1	18
121	Evaluation of colloidal CdSe quantum dots with metal chalcogenide ligands for optoelectronic applications. Materials Research Society Symposia Proceedings, 2012, 1409, 19.	0.1	0
122	Functional Impairment of Human Resident Cardiac Stem Cells by the Cardiotoxic Antineoplastic Agent Trastuzumab. Stem Cells Translational Medicine, 2012, 1, 289-297.	3.3	36
123	Safety and Efficacy of Allogeneic Cell Therapy in Infarcted Rats Transplanted With Mismatched Cardiosphere-Derived Cells. Circulation, 2012, 125, 100-112.	1.6	262
124	Distribution, variability and sources of tropospheric ozone over south China in spring: Intensive ozonesonde measurements at five locations and modeling analysis. Journal of Geophysical Research, 2012, 117, .	3.3	21
125	Direct Comparison of Different Stem Cell Types and Subpopulations Reveals Superior Paracrine Potency and Myocardial Repair Efficacy With Cardiosphere-Derived Cells. Journal of the American College of Cardiology, 2012, 59, 942-953.	2.8	427
126	Efficient and reliable green organic light-emitting diodes with Cl2 plasma-etched indium tin oxide anode. Journal of Applied Physics, 2012, 112, .	2.5	13

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127	Performance enhancement of organic light-emitting diodes by chlorine plasma treatment of indium tin oxide. Applied Physics Letters, 2012, 100, .	3.3	47
128	Evaluation of all-inorganic CdSe quantum dot thin films for optoelectronic applications. Nanotechnology, 2012, 23, 275702.	2.6	8
129	Partial discharge characteristics of interturn insulation used for inverter-fed traction motor under bipolar impulses. Science China Technological Sciences, 2012, 55, 2346-2354.	4.0	7
130	Characterization of zinc-tin-oxide films deposited by thermal co-evaporation. Thin Solid Films, 2012, 520, 6130-6133.	1.8	13
131	Optical characterization of CdSe quantum dots with metal chalcogenide ligands in solutions and solids. Applied Physics Letters, 2011, 99, 023106.	3.3	15
132	Intramyocardial Injection of Autologous Cardiospheres or Cardiosphere-Derived Cells Preserves Function and Minimizes Adverse Ventricular Remodeling in Pigs With Heart Failure Post-Myocardial Infarction. Journal of the American College of Cardiology, 2011, 57, 455-465.	2.8	222
133	Analysis of synonymous codon usage in Hepatitis A virus. Virology Journal, 2011, 8, 174.	3.4	29
134	Organic thin film structures for high-sensitivity imaging of contact stress distributions. Organic Electronics, 2011, 12, 306-311.	2.6	8
135	Expansion of human cardiac stem cells in physiological oxygen improves cell production efficiency and potency for myocardial repair. Cardiovascular Research, 2011, 89, 157-165.	3.8	89
136	Enhanced Electroluminescence of CdSe/ZnS Quantum Dot Lightâ€“emitting Diodes with Phosphorescent Donors. Materials Research Society Symposia Proceedings, 2011, 1348, 140101.	0.1	0
137	Phosphorescent Organic Light-emitting Devices to Sense Contact Stresses. Materials Research Society Symposia Proceedings, 2011, 1358, 60401.	0.1	0
138	Potential Therapeutic Value of Antioxidants for Abnormal Prolongation of QT Interval and the Associated Arrhythmias in a Rabbit Model of Diabetes. Cellular Physiology and Biochemistry, 2011, 28, 97-102.	1.6	9
139	MicroRNA miR-133 represses HERG K+ channel expression contributing to QT prolongation in diabetic hearts.. Journal of Biological Chemistry, 2011, 286, 28656.	3.4	12
140	Carboniferous-Permian rugose coral Cyathaxonia faunas in China. Science China Earth Sciences, 2010, 53, 1864-1872.	5.2	10
141	Cardiospheres Recapitulate a Niche-Like Microenvironment Rich in Stemness and Cell-Matrix Interactions, Rationalizing Their Enhanced Functional Potency for Myocardial Repair. Stem Cells, 2010, 28, 2088-2098.	3.2	232
142	Ocean surface winds measurement using reflected GNSS signals. , 2010, , .		0
143	Concentration quenching of electroluminescence in neat Ir(ppy)3 organic light-emitting diodes. Journal of Applied Physics, 2010, 108, .	2.5	40
144	Magnetic Targeting Enhances Engraftment and Functional Benefit of Iron-Labeled Cardiosphere-Derived Cells in Myocardial Infarction. Circulation Research, 2010, 106, 1570-1581.	4.5	226

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145	Isolation and expansion of functionally-competent cardiac progenitor cells directly from heart biopsies. Journal of Molecular and Cellular Cardiology, 2010, 49, 312-321.	1.9	129
146	Electroluminescence of green CdSe/ZnS quantum dots enhanced by harvesting excitons from phosphorescent molecules. Applied Physics Letters, 2010, 97, .	3.3	35
147	Validation of the Cardiosphere Method to Culture Cardiac Progenitor Cells from Myocardial Tissue. PLoS ONE, 2009, 4, e7195.	2.5	252
148	Development of a software-based IF GPS signal simulator. , 2009, , .		0
149	Bacterial reduction of selenate to elemental selenium utilizing molasses as a carbon source. Bioresource Technology, 2008, 99, 1267-1273.	9.6	61
150	Effect of zero-valent iron and a redox mediator on removal of selenium in agricultural drainage water. Science of the Total Environment, 2008, 407, 89-96.	8.0	14
151	Phase-Selective Synthesis and Self-Assembly of Monodisperse Copper Sulfide Nanocrystals. Journal of Physical Chemistry C, 2008, 112, 13390-13394.	3.1	61
152	CAPON modulates cardiac repolarization via neuronal nitric oxide synthase signaling in the heart. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 4477-4482.	7.1	142
153	Lentiviral Vectors Bearing the Cardiac Promoter of the Na+-Ca2+ Exchanger Report Cardiogenic Differentiation in Stem Cells. Molecular Therapy, 2008, 16, 957-964.	8.2	40
154	Ionic Mechanisms Underlying Abnormal QT Prolongation and the Associated Arrhythmias in Diabetic Rabbits: A Role of Rapid Delayed Rectifier K⁺ Current. Cellular Physiology and Biochemistry, 2007, 19, 225-238.	1.6	66
155	Application of Redox Mediator To Accelerate Selenate Reduction to Elemental Selenium byEnterobacter taylorae. Journal of Agricultural and Food Chemistry, 2007, 55, 5714-5717.	5.2	17
156	Simultaneous removal of chlorothalonil and nitrate by Bacillus cereus strain NS1. Science of the Total Environment, 2007, 382, 383-387.	8.0	19
157	Removal of Selenate in River and Drainage Waters byCitrobacter braakiiEnhanced with Zero-Valent Iron. Journal of Agricultural and Food Chemistry, 2006, 54, 152-156.	5.2	29
158	Restoring depressed HERG K+ channel function as a mechanism for insulin treatment of abnormal QT prolongation and associated arrhythmias in diabetic rabbits. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H1446-H1455.	3.2	84
159	Progressive apoptotic cell death triggered by transient oxidative insult in H9c2 rat ventricular cells: a novel pattern of apoptosis and the mechanisms. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 286, H2169-H2182.	3.2	63
160	HERG K⁺ Channel Conductance Promotes H₂O₂-Induced Apoptosis in HEK293 Cells: Cellular Mechanisms. Cellular Physiology and Biochemistry, 2004, 14, 121-134.	1.6	39
161	Impairment of HERG K+ Channel Function by Tumor Necrosis Factor-Î±. Journal of Biological Chemistry, 2004, 279, 13289-13292.	3.4	125
162	Potential mechanisms for the enhancement of HERG K+ channel function by phospholipid metabolites. British Journal of Pharmacology, 2004, 141, 586-599.	5.4	26

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163	Selenate Reduction in River Water by Citerobacter freundii Isolated from a Selenium-Contaminated Sediment. Journal of Agricultural and Food Chemistry, 2004, 52, 1594-1600.	5.2	22
164	Factors Affecting Reduction of Selenate to Elemental Selenium in Agricultural Drainage Water byEnterobacter taylorae. Journal of Agricultural and Food Chemistry, 2003, 51, 7073-7078.	5.2	33
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