

Liang Li

List of Publications by Year in descending order

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49
papers

2,399
citations

304602

22
h-index

276775

41
g-index

49
all docs

49
docs citations

49
times ranked

3983
citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature-dependent excitonic photoluminescence of hybrid organometal halide perovskite films. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 22476-22481.	1.3	447
2	Exploration of Crystallization Kinetics in Quasi Two-Dimensional Perovskite and High Performance Solar Cells. <i>Journal of the American Chemical Society</i> , 2018, 140, 459-465.	6.6	327
3	The Additive Coordination Effect on Hybrids Perovskite Crystallization and High-Performance Solar Cell. <i>Advanced Materials</i> , 2016, 28, 9862-9868.	11.1	270
4	Liquid medium annealing for fabricating durable perovskite solar cells with improved reproducibility. <i>Science</i> , 2021, 373, 561-567.	6.0	227
5	CsI Pre-Intercalation in the Inorganic Framework for Efficient and Stable FA _{1-x} Cs _x (Cl) Perovskite Solar Cells. <i>Small</i> , 2017, 13, 1700484.	5.2	121
6	A Thermodynamically Favored Crystal Orientation in Mixed Formamidinium/Methylammonium Perovskite for Efficient Solar Cells. <i>Advanced Materials</i> , 2019, 31, e1900390.	11.1	101
7	The Spacer Cations Interplay for Efficient and Stable Layered 2D Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2020, 10, 1901566.	10.2	89
8	Genetic Correction of Induced Pluripotent Stem Cells From a Deaf Patient With <i>MYO7A</i> Mutation Results in Morphologic and Functional Recovery of the Derived Hair Cell-Like Cells. <i>Stem Cells Translational Medicine</i> , 2016, 5, 561-571.	1.6	67
9	A few-view reweighted sparsity hunting (FRESH) method for CT image reconstruction. <i>Journal of X-Ray Science and Technology</i> , 2013, 21, 161-176.	0.7	60
10	Spectral CT Modeling and Reconstruction With Hybrid Detectors in Dynamic-Threshold-Based Counting and Integrating Modes. <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 716-728.	5.4	53
11	Unraveling the Growth of Hierarchical Quasi-2D/3D Perovskite and Carrier Dynamics. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 1124-1132.	2.1	52
12	Precise Composition Tailoring of Mixed-Cation Hybrid Perovskites for Efficient Solar Cells by Mixture Design Methods. <i>ACS Nano</i> , 2017, 11, 8804-8813.	7.3	48
13	A tensor PRISM algorithm for multi-energy CT reconstruction and comparative studies. <i>Journal of X-Ray Science and Technology</i> , 2014, 22, 147-163.	0.7	43
14	Space microgravity drives transdifferentiation of human bone marrow-derived mesenchymal stem cells from osteogenesis to adipogenesis. <i>FASEB Journal</i> , 2018, 32, 4444-4458.	0.2	43
15	Differentiation and transplantation of human induced pluripotent stem cell-derived otic epithelial progenitors in mouse cochlea. <i>Stem Cell Research and Therapy</i> , 2018, 9, 230.	2.4	42
16	A general region-of-interest image reconstruction approach with truncated Hilbert transform. <i>Journal of X-Ray Science and Technology</i> , 2009, 17, 135-152.	0.7	36
17	High-Mobility p-Type Organic Semiconducting Interlayer Enhancing Efficiency and Stability of Perovskite Solar Cells. <i>Advanced Science</i> , 2017, 4, 1700025.	5.6	36
18	A dynamic material discrimination algorithm for dual MV energy X-ray digital radiography. <i>Applied Radiation and Isotopes</i> , 2016, 114, 188-195.	0.7	29

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19	Behavior of stem cells under outerâ€space microgravity and groundâ€based microgravity simulation. <i>Cell Biology International</i> , 2015, 39, 647-656.	1.4	26
20	Induction of differentiation of human embryonic stem cells into functional hair-cell-like cells in the absence of stromal cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 81, 208-222.	1.2	26
21	An amino-substituted perylene diimide polymer for conventional perovskite solar cells. <i>Materials Chemistry Frontiers</i> , 2017, 1, 2078-2084.	3.2	26
22	Effects of simulated microgravity on the expression profiles of RNA during osteogenic differentiation of human bone marrow mesenchymal stem cells. <i>Cell Proliferation</i> , 2019, 52, e12539.	2.4	24
23	Robust multimaterial decomposition of spectral CT using convolutional neural networks. <i>Optical Engineering</i> , 2019, 58, 1.	0.5	23
24	Interior Tomography With Continuous Singular Value Decomposition. <i>IEEE Transactions on Medical Imaging</i> , 2012, 31, 2108-2119.	5.4	18
25	A cone-beam tomography system with a reduced size planar detector: A backprojection-filtration reconstruction algorithm as well as numerical and practical experiments. <i>Applied Radiation and Isotopes</i> , 2007, 65, 1041-1047.	0.7	17
26	A curve-filtered FDK (C-FDK) reconstruction algorithm for circular cone-beam CT. <i>Journal of X-Ray Science and Technology</i> , 2011, 19, 355-371.	0.7	17
27	Experimental measurement of human head motion for high-resolution computed tomography system design. <i>Optical Engineering</i> , 2010, 49, 063201.	0.5	16
28	TRIB3 inhibits proliferation and promotes osteogenesis in hBMSCs by regulating the ERK1/2 signaling pathway. <i>Scientific Reports</i> , 2017, 7, 10342.	1.6	16
29	Dynamic-dual-energy spectral CT for improving multi-material decomposition in image-domain. <i>Physics in Medicine and Biology</i> , 2019, 64, 135006.	1.6	15
30	Identification of stage-specific markers during differentiation of hair cells from mouse inner ear stem cells or progenitor cells in vitro. <i>International Journal of Biochemistry and Cell Biology</i> , 2015, 60, 99-111.	1.2	14
31	Efficient Moistureâ€Resistant Perovskite Solar Cell With Nanostructure Featuring 3D Amine Motif. <i>Solar Rrl</i> , 2018, 2, 1800069.	3.1	13
32	First Dual MeV Energy X-ray CT for Container Inspection: Design, Algorithm, and Preliminary Experimental Results. <i>IEEE Access</i> , 2018, 6, 45534-45542.	2.6	12
33	A curve-based material recognition method in MeV dual-energy X-ray imaging system. <i>Nuclear Science and Techniques/Hewuli</i> , 2016, 27, 1.	1.3	10
34	TRPM7 Upregulate the Activity of SMAD1 through PLC Signaling Way to Promote Osteogenesis of hBMSCs. <i>BioMed Research International</i> , 2020, 2020, 1-23.	0.9	7
35	K-edge eliminated material decomposition method for dual-energy X-ray CT. <i>Applied Radiation and Isotopes</i> , 2017, 127, 231-236.	0.7	6
36	Induction of Functional Hair-Cell-Like Cells from Mouse Cochlear Multipotent Cells. <i>Stem Cells International</i> , 2016, 2016, 1-14.	1.2	5

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37	Simultaneous x-ray fluorescence and K-edge CT imaging with photon-counting detectors. Proceedings of SPIE, 2016, , .	0.8	4
38	Edge-oriented dual-dictionary guided enrichment (EDGE) for MRI-CT image reconstruction. Journal of X-Ray Science and Technology, 2016, 24, 161-175.	0.7	3
39	Recent Development of Dual-Dictionary Learning Approach in Medical Image Analysis and Reconstruction. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-9.	0.7	2
40	Dynamic material decomposition method for MeV dual-energy X-ray CT. Applied Radiation and Isotopes, 2018, 140, 55-62.	0.7	2
41	A comparison of projection domain noise reduction methods in low-dose dental CBCT. , 2012, , .		1
42	SIFT-based motion registration for sequence images of instant CT. , 2012, , .		1
43	The simulation of a multi energy bone mineral densitometry method. , 2014, , .		1
44	Material Decomposition of Energy Spectral CT by AUTOMAP. , 2018, , .		1
45	Design of the Multi-Sources Static CT System and its Dual-Energy Monte Carlo Simulation. , 2019, , .		1
46	Establishment of an induced pluripotent stem cell line from a patient with CHARGE syndrome carrying a CHD7 (p.L1151Gfs*17) mutation. Stem Cell Research, 2020, 45, 101774.	0.3	1
47	Without a priori knowledge solving the interior problem in CT using two scans. , 2009, , .		0
48	A Post-Processed Multi-Material Decomposition Method based on Dynamic Dual-energy Detectors. , 2018, , .		0
49	Iterative dynamic dual-energy CT algorithm in reducing statistical noise in multi-energy CT imaging. Physics in Medicine and Biology, 2022, 67, 015003.	1.6	0