Liang Li

List of Publications by Year
in descending order

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	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
2	Liquid medium annealing for fabricating durable perovskite solar cells with improved reproducibility. Science, 2021, 373, 561-567.	6.0	227
3	The Spacer Cations Interplay for Efficient and Stable Layered 2D Perovskite Solar Cells. Advanced Energy Materials, 2020, 10, 1901566.	10.2	89
4	TRPM7 Upregulate the Activity of SMAD1 through PLC Signaling Way to Promote Osteogenesis of hBMSCs. BioMed Research International, 2020, 2020, 1-23.	0.9	7
5	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
6	A Thermodynamically Favored Crystal Orientation in Mixed Formamidinium/Methylammonium Perovskite for Efficient Solar Cells. Advanced Materials, 2019, 31, e1900390.	11.1	101
7	Dynamic-dual-energy spectral CT for improving multi-material decomposition in image-domain. Physics in Medicine and Biology, 2019, 64, 135006.	1.6	15
8	Design of the Multi-Sources Static CT System and its Dual-Energy Monte Carlo Simulation. , 2019, , .		1
9	Effects of simulated microgravity on the expression profiles of RNA during osteogenic differentiation of human bone marrow mesenchymal stem cells. Cell Proliferation, 2019, 52, e12539.	2.4	24
10	Robust multimaterial decomposition of spectral CT using convolutional neural networks. Optical Engineering, 2019, 58, 1.	0.5	23
11	Unraveling the Growth of Hierarchical Quasi-2D/3D Perovskite and Carrier Dynamics. Journal of Physical Chemistry Letters, 2018, 9, 1124-1132.	2.1	52
12	Exploration of Crystallization Kinetics in Quasi Two-Dimensional Perovskite and High Performance Solar Cells. Journal of the American Chemical Society, 2018, 140, 459-465.	6.6	327
13	A Post-Processed Multi-Material Decomposition Method based on Dynamic Dual-energy Detectors. , 2018, , .		0
14	Material Decomposition of Energy Spectral CT by AUTOMAP. , 2018, , .		1
15	Differentiation and transplantation of human induced pluripotent stem cell-derived otic epithelial progenitors in mouse cochlea. Stem Cell Research and Therapy, 2018, 9, 230.	2.4	42
16	Efficient Moisture–Resistant Perovskite Solar Cell With Nanostructure Featuring 3D Amine Motif. Solar Rrl, 2018, 2, 1800069.	3.1	13
17	Space microgravity drives transdifferentiation of human bone marrow–derived mesenchymal stem cells from osteogenesis to adipogenesis. FASEB Journal, 2018, 32, 4444-4458.	0.2	43
18	First Dual MeV Energy X-ray CT for Container Inspection: Design, Algorithm, and Preliminary Experimental Results. IEEE Access, 2018, 6, 45534-45542.	2.6	12

#	Article	IF	Citations
19	Dynamic material decomposition method for MeV dual-energy X-ray CT. Applied Radiation and Isotopes, 2018, 140, 55-62.	0.7	2
20	High‑Mobility p‑Type Organic Semiconducting Interlayer Enhancing Efficiency and Stability of Perovskite Solar Cells. Advanced Science, 2017, 4, 1700025.	5.6	36
21	CsI Pre‑Intercalation in the Inorganic Framework for Efficient and Stable $FA_{1-x}Cs_xPbI_3(Cl)$ Perovskite Solar Cells. Small, 2017, 13, 1700484.	5.2	121
22	Precise Composition Tailoring of Mixed-Cation Hybrid Perovskites for Efficient Solar Cells by Mixture Design Methods. ACS Nano, 2017, 11, 8804-8813.	7.3	48
23	TRIB3 inhibits proliferation and promotes osteogenesis in hBMSCs by regulating the ERK1/2 signaling pathway. Scientific Reports, 2017, 7, 10342.	1.6	16
24	K-edge eliminated material decomposition method for dual-energy X-ray CT. Applied Radiation and Isotopes, 2017, 127, 231-236.	0.7	6
25	An amino-substituted perylene diimide polymer for conventional perovskite solar cells. Materials Chemistry Frontiers, 2017, 1, 2078-2084.	3.2	26
26	Induction of Functional Hair-Cell-Like Cells from Mouse Cochlear Multipotent Cells. Stem Cells International, 2016, 2016, 1-14.	1.2	5
27	Genetic Correction of Induced Pluripotent Stem Cells From a Deaf Patient With *MYO7A* Mutation Results in Morphologic and Functional Recovery of the Derived Hair Cell-Like Cells. Stem Cells Translational Medicine, 2016, 5, 561-571.	1.6	67
28	The Additive Coordination Effect on Hybrids Perovskite Crystallization and High‑Performance Solar Cell. Advanced Materials, 2016, 28, 9862-9868.	11.1	270
29	A dynamic material discrimination algorithm for dual MV energy X-ray digital radiography. Applied Radiation and Isotopes, 2016, 114, 188-195.	0.7	29
30	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
31	Simultaneous x-ray fluorescence and K-edge CT imaging with photon-counting detectors. Proceedings of SPIE, 2016, , .	0.8	4
32	A curve-based material recognition method in MeV dual-energy X-ray imaging system. Nuclear Science and Techniques/Hewuli, 2016, 27, 1.	1.3	10
33	Induction of differentiation of human embryonic stem cells into functional hair-cell-like cells in the absence of stromal cells. International Journal of Biochemistry and Cell Biology, 2016, 81, 208-222.	1.2	26
34	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
35	Identification of stage-specific markers during differentiation of hair cells from mouse inner ear stem cells or progenitor cells in vitro. International Journal of Biochemistry and Cell Biology, 2015, 60, 99-111.	1.2	14
36	Behavior of stem cells under outer‑space microgravity and ground‑based microgravity simulation. Cell Biology International, 2015, 39, 647-656.	1.4	26

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37	Spectral CT Modeling and Reconstruction With Hybrid Detectors in Dynamic-Threshold-Based Counting and Integrating Modes. IEEE Transactions on Medical Imaging, 2015, 34, 716-728.	5.4	53
38	A tensor PRISM algorithm for multi-energy CT reconstruction and comparative studies. Journal of X-Ray Science and Technology, 2014, 22, 147-163.	0.7	43
39	Temperature-dependent excitonic photoluminescence of hybrid organometal halide perovskite films. Physical Chemistry Chemical Physics, 2014, 16, 22476-22481.	1.3	447
40	The simulation of a multi energy bone mineral densitometry method. , 2014, , .		1
41	A few-view reweighted sparsity hunting (FRESH) method for CT image reconstruction. Journal of X-Ray Science and Technology, 2013, 21, 161-176.	0.7	60
42	A comparison of projection domain noise reduction methods in low-dose dental CBCT. , 2012, , .		1
43	SIFT-based motion registration for sequence images of instant CT. , 2012, , .		1
44	Interior Tomography With Continuous Singular Value Decomposition. IEEE Transactions on Medical Imaging, 2012, 31, 2108-2119.	5.4	18
45	A curve-filtered FDK (C-FDK) reconstruction algorithm for circular cone-beam CT. Journal of X-Ray Science and Technology, 2011, 19, 355-371.	0.7	17
46	Experimental measurement of human head motion for high-resolution computed tomography system design. Optical Engineering, 2010, 49, 063201.	0.5	16
47	Without a priori knowledge solving the interior problem in CT using two scans. , 2009, , .		0
48	A general region-of-interest image reconstruction approach with truncated Hilbert transform. Journal of X-Ray Science and Technology, 2009, 17, 135-152.	0.7	36
49	A cone-beam tomography system with a reduced size planar detector: A backprojection-filtration reconstruction algorithm as well as numerical and practical experiments. Applied Radiation and Isotopes, 2007, 65, 1041-1047.	0.7	17