

# Liang Li

## List of Publications by Year in descending order

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114  
papers

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516710

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docs citations

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citing authors

#	ARTICLE	IF	CITATIONS
1	Highly In-plane Anisotropic 2D PdSe <sub>2</sub> for Polarized Photodetection with Orientation Selectivity. <i>Advanced Functional Materials</i> , 2021, 31, 2006774.	14.9	100
2	A Self-Powered Photovoltaic Photodetector Based on a Lateral WSe <sub>2</sub> -WSe <sub>2</sub> Homojunction. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 44934-44942.	8.0	71
3	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.	1.0	43
4	Study of the Infrared Spectral Features of an Epoxy Curing Mechanism. <i>Applied Spectroscopy</i> , 2008, 62, 1129-1136.	2.2	38
5	Full-field fan-beam x-ray fluorescence computed tomography with a conventional x-ray tube and photon-counting detectors for fast nanoparticle bioimaging. <i>Optical Engineering</i> , 2017, 56, 043106.	1.0	33
6	Enhancement of the ANAMMOX bacteria activity and granule stability through pulsed electric field at a lower temperature (16±1°C). <i>Bioresource Technology</i> , 2019, 292, 121960.	9.6	33
7	Analysis of microbial community structure and diversity in surrounding rock soil of different waste dump sites in fushun western opencast mine. <i>Chemosphere</i> , 2021, 269, 128777.	8.2	32
8	An adaptive remeshing procedure for discontinuous finite element limit analysis. <i>International Journal for Numerical Methods in Engineering</i> , 2018, 116, 287-307.	2.8	30
9	Effects of low nitrogen and drought stresses on proline synthesis of <i>Jatropha curcas</i> seedling. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 1591-1595.	2.1	29
10	A dynamic material discrimination algorithm for dual MV energy X-ray digital radiography. <i>Applied Radiation and Isotopes</i> , 2016, 114, 188-195.	1.5	29
11	Further Highly Oxygenated Guaiane Lactones from the South China Sea Gorgonian <i>Menella</i> sp.. <i>Helvetica Chimica Acta</i> , 2008, 91, 111-117.	1.6	28
12	A heteroleptic cyclometalated iridium(III) fluorophenylpyridine complex from partial defluorohydrogenation reaction: synthesis, photophysical properties and mechanistic insights. <i>Dalton Transactions</i> , 2013, 42, 4539.	3.3	27
13	Recent Advances in the Synthesis of Thioether. <i>Mini-Reviews in Organic Chemistry</i> , 2017, 14, .	1.3	23
14	Anisotropic total variation for limited-angle CT reconstruction. , 2010, , .		21
15	Effects of bioflocs with different C/N ratios on growth, immunological parameters, antioxidants and culture water quality in <i>Opsariichthys kaopingensis</i> Dybowski. <i>Aquaculture Research</i> , 2020, 51, 805-815.	1.8	21
16	One-step preparation of C-doped TiO <sub>2</sub> nanotubes with enhanced photocatalytic activity by a water-assisted method. <i>CrystEngComm</i> , 2021, 23, 3015-3025.	2.6	20
17	Sarcoglycosides A-C, New O-Glycosylglycerol Derivatives from the South China Sea Soft Coral <i>Sarcophyton infundibuliforme</i> . <i>Helvetica Chimica Acta</i> , 2009, 92, 1495-1502.	1.6	19
18	2D Cu <sub>9</sub> S <sub>5</sub> /PtS <sub>2</sub> /WSe <sub>2</sub> Double Heterojunction Bipolar Transistor with High Current Gain. <i>Advanced Materials</i> , 2021, 33, e2106537.	21.0	19

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19	Water Diffusion Behavior in Epoxy Resins with Various Fluorine Contents. <i>Applied Spectroscopy</i> , 2006, 60, 392-397.	2.2	18
20	Three New, 1-Oxygenated ent-8,9-Secokaurane Diterpenes from <i>Croton kongensis</i> . <i>Helvetica Chimica Acta</i> , 2006, 89, 537-541.	1.6	18
21	Multi-energy CT reconstruction based on Low Rank and Sparsity with the Split-Bregman Method (MLRSS)., 2012, , .		17
22	New Polyoxygenated Triterpenoids from <i>Stachyurus himalaicus</i> var. <i>himalaicus</i> . <i>Helvetica Chimica Acta</i> , 2006, 89, 2830-2835.	1.6	16
23	Activation and Functional Connectivity of the Left Inferior Temporal Gyrus during Visual Speech Priming in Healthy Listeners and Listeners with Schizophrenia. <i>Frontiers in Neuroscience</i> , 2017, 11, 107.	2.8	16
24	Synthesis and characterization of bismaleimide-polyetherimide-silica hybrid by sol-gel process. <i>Polymers for Advanced Technologies</i> , 2005, 16, 133-138.	3.2	15
25	Two new metabolites from the Hainan soft coral <i>Sarcophyton crassocaule</i> . <i>Journal of Asian Natural Products Research</i> , 2009, 11, 851-855.	1.4	14
26	Novel cytotoxic chalcones from <i>Litsea rubescens</i> and <i>Litsea pedunculata</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 7431-3.	2.2	14
27	Experimental investigation on power generation with low grade waste heat and CO <sub>2</sub> transcritical power cycle. <i>Energy Procedia</i> , 2017, 123, 297-304.	1.8	14
28	Numerical Study on the Asphalt Concrete Structure for Blast and Impact Load Using the Karagozian and Case Concrete Model. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 202.	2.5	14
29	An Efficient Nonstandard Finite Difference Scheme for Chaotic Fractional-Order Chen System. <i>IEEE Access</i> , 2020, 8, 98410-98421.	4.2	13
30	First Dual MeV Energy X-ray CT for Container Inspection: Design, Algorithm, and Preliminary Experimental Results. <i>IEEE Access</i> , 2018, 6, 45534-45542.	4.2	12
31	Ligand-Free Copper-Catalyzed Arylation of Imidazole and <i>N,N</i> -Carbonyldiimidazole, and Microwave-Assisted Synthesis of <i>N</i> -Aryl- <i>H</i> -imidazoles. <i>Helvetica Chimica Acta</i> , 2008, 91, 1435-1442.	1.6	11
32	Enantioselective Synthesis of $\beta$ -Amino Esters Bearing a Benzothiazole Moiety via a Mannich-Type Reaction Catalyzed by a Cinchona Alkaloid Derivative. <i>European Journal of Organic Chemistry</i> , 2011, n/a-n/a.	2.4	11
33	Macrorhynines A and B, Two Novel Norditerpenoid Alkaloids from <i>Aconitum macrorhynchum</i> . <i>Helvetica Chimica Acta</i> , 2008, 91, 569-574.	1.6	10
34	Estimating Soil Water Content and Evapotranspiration of Winter Wheat under Deficit Irrigation Based on SWAP Model. <i>Sustainability</i> , 2020, 12, 9451.	3.2	10
35	Habaenines A and B, Two New Norditerpenoid Alkaloids from <i>Aconitum habaense</i> . <i>Helvetica Chimica Acta</i> , 2007, 90, 1160-1164.	1.6	9
36	Dry Sliding Wear Behavior and Mild-Severe Wear Transition of Mg <sub>97</sub> Zn <sub>1</sub> Y <sub>2</sub> Alloy at Elevated Temperatures. <i>Materials</i> , 2018, 11, 1735.	2.9	9

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37	Tribological Behavior and the Mildâ€Severe Wear Transition of Mg97Zn1Y2 Alloy with a LPSO Structure Phase. <i>Materials</i> , 2018, 11, 505.	2.9	9
38	Dietary supplementation of microbial floc heightens growth and improves digestive, immune, antioxidant enzymes activity and ammonia resistance in <i>Opsariichthys kaopingensis</i> s. <i>Aquaculture Research</i> , 2020, 51, 4054-4064.	1.8	9
39	Two New Alkamides from <i>Spilanthes callimorpha</i> . <i>Journal of Integrative Plant Biology</i> , 2007, 49, 1608-1610.	8.5	8
40	Two New, 1â€Oxygenated <i>ent</i> -â€Kauraneâ€Type Diterpenes from <i>Croton kongensis</i> . <i>Helvetica Chimica Acta</i> , 2007, 90, 1554-1558.	1.6	8
41	Preparation of biomimetic hydrophobic coatings on AZ91D magnesium alloy surface. <i>Science China Technological Sciences</i> , 2010, 53, 2972-2975.	4.0	8
42	Geometric calibration of cone-beam CT with a flat-panel detector. , 2011, , .		8
43	Dual-energy CT reconstruction based on dictionary learning and total variation constraint. , 2012, , .		8
44	Three New Triterpenoids from <i>Dracocephalum forrestii</i> . <i>Helvetica Chimica Acta</i> , 2006, 89, 3018-3022.	1.6	7
45	Three New Phthalides from <i>Gnaphalium adnatum</i> . <i>Helvetica Chimica Acta</i> , 2014, 97, 1638-1643.	1.6	7
46	Fabrication of $\pm$ -Fe2O3/TiO2 bi-functional composites with hierarchical and hollow structures and their application in water treatment. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	1.9	7
47	Feasible Energy Calibration for Multi-Threshold Photon-Counting Detectors Based on Reconstructed XRF Spectra. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2017, 1, 109-120.	3.7	7
48	Reaction Mechanism Reduction for Ozone-Enhanced CH4/Air Combustion by a Combination of Directed Relation Graph with Error Propagation, Sensitivity Analysis and Quasi-Steady State Assumption. <i>Energies</i> , 2018, 11, 1470.	3.1	7
49	Novel osteogenic growth peptide C-terminal pentapeptide grafted poly(D,L-lactic acid) improves the proliferation and differentiation of osteoblasts: The potential bone regenerative biomaterial. <i>International Journal of Biological Macromolecules</i> , 2018, 119, 874-881.	7.5	7
50	Effect of Al Addition on Microstructure and Tensile Properties of Mg-8Li-3Al Alloy. <i>Jom</i> , 2021, 73, 2558.	1.9	7
51	Microstructure Characterization and Battery Performance Comparison of MOF-235 and TiO2-P25 Materials. <i>Crystals</i> , 2022, 12, 152.	2.2	7
52	A new C19-diterpenoid alkaloid, habaenine C, from <i>Aconitum habaense</i> . <i>Chemistry of Natural Compounds</i> , 2008, 44, 334-336.	0.8	6
53	Ouvrardianines A and B, Two New Norditerpenoid Alkaloids from <i>Aconitum ouvrardianum</i> . <i>Helvetica Chimica Acta</i> , 2009, 92, 514-519.	1.6	6
54	K-edge eliminated material decomposition method for dual-energy X-ray CT. <i>Applied Radiation and Isotopes</i> , 2017, 127, 231-236.	1.5	6

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55	Scattering Noise Model Enhanced EM-TV Algorithm for Benchtop X-ray Fluorescence Computed Tomography Image Reconstruction. <i>IEEE Access</i> , 2019, 7, 113589-113595.	4.2	6
56	Pollutant removal performance of an integrated system that combines a baffled vertical-flow wetland and a scenic water body. <i>Environmental Science and Pollution Research</i> , 2019, 26, 269-281.	5.3	6
57	Dynamic Compressive Behavior of Asphalt Concrete Material under Impact Load. <i>Journal of Testing and Evaluation</i> , 2020, 48, 2768-2785.	0.7	6
58	Morphology, genetic characterization and phylogeny of <i>Aplectana dayaoshanensis</i> n. sp. (Nematoda: Tj ETQq0 0 0,rgBT /Overlock 10 Tf	2.8	6
59	Carbon-Sulfur Bond Formation: Tandem Process for the Synthesis of Functionalized Isothiazoles. <i>Organic Letters</i> , 2022, 24, 339-343.	4.6	6
60	Two new benzoyl esters of glucose from <i>Lagotis yunnanensis</i> . <i>Chemistry of Natural Compounds</i> , 2006, 42, 649-651.	0.8	5
61	Two New Iridoid Glycosides from <i>Lagotis yunnanensis</i> . <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2007, 62, 749-752.	0.7	5
62	Flavonoids from <i>Litsea chingpingensis</i> . <i>Chemistry of Natural Compounds</i> , 2008, 44, 642-643.	0.8	5
63	Fabrication of carbon/SiO <sub>2</sub> composites from the hydrothermal carbonization process of polysaccharide and their adsorption performance. <i>Carbohydrate Polymers</i> , 2016, 153, 320-328.	10.2	5
64	Ultra-stretchable, fast self-healing, conductive hydrogels for writing circuits and magnetic sensors. <i>Polymer International</i> , 2022, 71, 837-846.	3.1	5
65	Using two-dimensional time resolved light scattering to study the cure reaction induced phase separation process of epoxy-amine-polyethersulfone blend with secondary phase separation. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2010, 28, 63-68.	3.8	4
66	Chemical Constituents of the Soft Coral <i>Sarcophyton Infundibuliforme</i> from the South China Sea. <i>Natural Product Communications</i> , 2010, 5, 1934578X1000500.	0.5	4
67	Experimental measurement of human head motion for clinical dental CBCT system design. , 2011, , .		4
68	Reducing metal artifacts by pre-processing projection data in dental CBCT with a half-size detector. , 2011, , .		4
69	An improved non-local means regularized iterative reconstruction method for low-dose dental CBCT. , 2012, , .		4
70	Long-term pollutant removal performance and mitigation of rainwater quality deterioration with ceramsite and <i>Cyperus alternifolius</i> in mountainous cities of China. <i>Environmental Science and Pollution Research</i> , 2019, 26, 32993-33003.	5.3	4
71	Patch-wise non-local low-rank for few-view multi-energy CT reconstruction. , 2012, , .		3
72	Experimental Investigation on the Quasi-Static Tensile Capacity of Engineered Cementitious Composites Reinforced with Steel Grid and Fibers. <i>Materials</i> , 2019, 12, 2666.	2.9	3

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73	Modelling root water uptake under deficit irrigation and rewetting in Northwest China. Agronomy Journal, 2020, 112, 158-174.	1.8	3
74	Enhanced photocatalytic activity of graphene/TiO <sub>2</sub> nanotubes composites prepared by wet transfer method. Fullerenes Nanotubes and Carbon Nanostructures, 2022, 30, 495-502.	2.1	3
75	Effects of different crystallization methods on photocatalytic performance of TiO <sub>2</sub> nanotubes. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	3
76	Experimental Investigation on Dynamic Tensile Behaviors of Engineered Cementitious Composites Reinforced with Steel Grid and Fibers. Materials, 2021, 14, 7042.	2.9	3
77	A BPF reconstruction algorithm for CBCT with a half-size flat panel detector. , 2011, , .		2
78	A self-adaptive mask-enhanced dual-dictionary learning method for MRI-CT image reconstruction. , 2015, , .		2
79	Recent Development of Dual-Dictionary Learning Approach in Medical Image Analysis and Reconstruction. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-9.	1.3	2
80	A detector response model based ML-EM spectrum reconstruction method calibrated by XRF spectra. , 2016, , .		2
81	XFCT imaging system with pinhole collimation and attenuation correction. , 2016, , .		2
82	Verification and Validation of a Low-Mach-Number Large-Eddy Simulation Code against Manufactured Solutions and Experimental Results. Energies, 2018, 11, 921.	3.1	2
83	Dynamic material decomposition method for MeV dual-energy X-ray CT. Applied Radiation and Isotopes, 2018, 140, 55-62.	1.5	2
84	Preparation of Superhydrophobic Coating on 5083 Aluminum Alloy for Corrosion Protection in Simulated Marine Environment Containing SRB. Physics of Metals and Metallography, 2021, 122, 1581-1587.	1.0	2
85	Flavonoids from Pegaeophyton scapiflorum. Chemistry of Natural Compounds, 2006, 42, 732-733.	0.8	1
86	A comparison of projection domain noise reduction methods in low-dose dental CBCT. , 2012, , .		1
87	A reweighted total variation minimization method for few view CT reconstruction in the instant CT. , 2012, , .		1
88	The simulation of a multi energy bone mineral densitometry method. , 2014, , .		1
89	CT-MRI Image Reconstruction with Mask-enhanced Dual-Dictionary Learning. , 2014, , .		1
90	Mathematical Methods and Applications in Medical Imaging 2014. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-2.	1.3	1

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91	Material Decomposition of Energy Spectral CT by AUTOMAP. , 2018, , .		1
92	Non-uniformity Correction for Photon-counting Detectors Using Neural Network. , 2018, , .		1
93	Fan-Beam X-ray Fluorescence Computed Tomography (XFCT) With Gold Nanoparticles. , 2017, , .		1
94	Potentially toxic elements in weathered waste-rocks of Fushun western opencast mine: distribution, source identification, and contamination assessment. Environmental Geochemistry and Health, 2021, , 1.	3.4	1
95	New X-ray Fluorescence CT (XFCT) System Using Multi-beam X-ray Source. , 2020, , .		1
96	Improvement of hydrogen production performance by in situ doping of carbon nanotubes into TiO <sub>2</sub> materials. Journal of Nanoparticle Research, 2022, 24, 1.	1.9	1
97	Explicit finite element method for calculation and analysis to the elasto-plastic dynamic response of fluid-saturated porous media. Frontiers of Architecture and Civil Engineering in China, 2007, 1, 436-442.	0.4	0
98	3D region-of-interest (ROI) reconstruction from truncated data in circular cone-beam CT. , 2008, , .		0
99	Without a priori knowledge solving the interior problem in CT using two scans. , 2009, , .		0
100	Spectral CT imaging with hybrid detectors in integrating and dynamic-threshold counting modes. , 2013, , .		0
101	A wide fan-beam dual-energy X-ray absorptiometry for forearm. , 2013, , .		0
102	Experimental measurement of human head motion by binocular stereo vision method. , 2013, , .		0
103	3D anisotropic total variation method for limitedangle CT reconstruction. , 2013, , .		0
104	The multi-source instant CT for superfast imaging: system concept, reconstruction algorithms and experiments. , 2013, , .		0
105	A geometrical calibration method by using only two small balls for X-ray intraoral digital tomosynthesis. , 2015, , .		0
106	Overlapped materials decomposition in high-energy dual-energy X-ray system. , 2015, , .		0
107	Research on CT iterative reconstruction algorithm based on noise model and image constraint. , 2016, , .		0
108	Reconstruction and multi-material decomposition of spectral CT in Dynamic-Threshold-Based Counting and Integrating Modes. , 2016, , .		0

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109	A K-shell photoelectric effect eliminated material decomposition method. , 2016, , .		0
110	Image-domain Material Decomposition Based on Spectra Recovery in Spectral CT with Photon-counting Detectors. , 2017, , .		0
111	Application of Deep Learning in Multi-Material Decomposition of Spectral CT. , 2017, , .		0
112	Direct Dual Energy CT Material Decomposition Using Noise2Noise Prior. , 2020, , .		0
113	Multi-Energy Hybrid Reconstruction Method for the Static CT System. , 2020, , .		0
114	Synthesis of 1-pyrroline derivatives <i>via</i> cyclization of terminal alkynes with 2-azaallyls. Organic and Biomolecular Chemistry, 2022, 20, 2843-2851.	2.8	0