

# Kun Li

## List of Publications by Year in descending order

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92  
papers

2,993  
citations

172457

29  
h-index

182427

51  
g-index

94  
all docs

94  
docs citations

94  
times ranked

3304  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microalgae-based wastewater treatment for nutrients recovery: A review. <i>Bioresource Technology</i> , 2019, 291, 121934.	9.6	413
2	Lipase-catalysed direct Mannich reaction in water: utilization of biocatalytic promiscuity for C-C bond formation in a one-pot synthesis. <i>Green Chemistry</i> , 2009, 11, 777.	9.0	167
3	Copolyform Crystalline 2D Covalent Organic Frameworks (COFs) with Quasi-3D Topologies for Rapid Adsorption. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22697-22705.	13.8	163
4	Utilization of municipal solid and liquid wastes for bioenergy and bioproducts production. <i>Bioresource Technology</i> , 2016, 215, 163-172.	9.6	141
5	A tumor-specific and mitochondria-targeted fluorescent probe for real-time sensing of hypochlorite in living cells. <i>Chemical Communications</i> , 2017, 53, 5539-5541.	4.1	115
6	A water-soluble and fast-response mitochondria-targeted fluorescent probe for colorimetric and ratiometric sensing of endogenously generated SO <sub>2</sub> derivatives in living cells. <i>Chemical Communications</i> , 2016, 52, 3430-3433.	4.1	114
7	Novel Tumor-Specific and Mitochondria-Targeted near-Infrared-Emission Fluorescent Probe for SO <sub>2</sub> Derivatives in Living Cells. <i>ACS Sensors</i> , 2016, 1, 166-172.	7.8	104
8	Lipase-catalysed decarboxylative aldol reaction and decarboxylative Knoevenagel reaction. <i>Green Chemistry</i> , 2009, 11, 1933.	9.0	80
9	From source to sink: Review and prospects of microplastics in wetland ecosystems. <i>Science of the Total Environment</i> , 2021, 758, 143633.	8.0	77
10	Novel easily available purine-based AIEgens with colour tunability and applications in lipid droplet imaging. <i>Chemical Science</i> , 2018, 9, 8969-8974.	7.4	75
11	The migration and transformation behavior of heavy metals during co-liquefaction of municipal sewage sludge and lignocellulosic biomass. <i>Bioresource Technology</i> , 2018, 259, 156-163.	9.6	74
12	Toxicity of Three Crystalline TiO <sub>2</sub> Nanoparticles in Activated Sludge: Bacterial Cell Death Modes Differentially Weaken Sludge Dewaterability. <i>Environmental Science &amp; Technology</i> , 2019, 53, 4542-4555.	10.0	70
13	Dental Follicle Stem Cells Ameliorate Lipopolysaccharide-Induced Inflammation by Secreting TGF- $\beta$ 3 and TSP-1 to Elicit Macrophage M2 Polarization. <i>Cellular Physiology and Biochemistry</i> , 2018, 51, 2290-2308.	1.6	52
14	The Increased Endogenous Sulfur Dioxide Acts as a Compensatory Mechanism for the Downregulated Endogenous Hydrogen Sulfide Pathway in the Endothelial Cell Inflammation. <i>Frontiers in Immunology</i> , 2018, 9, 882.	4.8	50
15	Toxic effects of three crystalline phases of TiO <sub>2</sub> nanoparticles on extracellular polymeric substances in freshwater biofilms. <i>Bioresource Technology</i> , 2017, 241, 276-283.	9.6	47
16	Perfluorooctane sulfonate adsorption on powder activated carbon: Effect of phosphate (P) competition, pH, and temperature. <i>Chemosphere</i> , 2017, 182, 215-222.	8.2	46
17	Allergenicity assessment on thermally processed peanut influenced by extraction and assessment methods. <i>Food Chemistry</i> , 2019, 281, 130-139.	8.2	45
18	Exploration of a mechanism for the production of highly unsaturated fatty acids in <i>Scenedesmus</i> sp. at low temperature grown on oil crop residue based medium. <i>Bioresource Technology</i> , 2017, 244, 542-551.	9.6	44

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19	Phytotoxicity and oxidative stress of perfluorooctanesulfonate to two riparian plants: <i>Acorus calamus</i> and <i>Phragmites communis</i> . <i>Ecotoxicology and Environmental Safety</i> , 2019, 180, 215-226.	6.0	43
20	Adsorption of perfluorooctane sulfonate on soils: Effects of soil characteristics and phosphate competition. <i>Chemosphere</i> , 2017, 168, 1383-1388.	8.2	41
21	Sulphur dioxide suppresses inflammatory response by sulphenylating NF- $\kappa$ B p65 at Cys38 in a rat model of acute lung injury. <i>Clinical Science</i> , 2017, 131, 2655-2670.	4.3	36
22	Development of a mitochondria-targeted fluorescent probe for hydrazine monitoring in living cells. <i>RSC Advances</i> , 2016, 6, 111016-111019.	3.6	34
23	Endogenous sulfur dioxide alleviates collagen remodeling via inhibiting TGF- $\beta$ 2/Smad pathway in vascular smooth muscle cells. <i>Scientific Reports</i> , 2016, 6, 19503.	3.3	33
24	Structural Variation and Microrheological Properties of a Homogeneous Polysaccharide from Wheat Germ. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 2977-2987.	5.2	33
25	High-value chemicals from <i>Botryococcus braunii</i> and their current applications – A review. <i>Bioresource Technology</i> , 2019, 291, 121911.	9.6	33
26	Effects of polystyrene nanoplastics on extracellular polymeric substance composition of activated sludge: The role of surface functional groups. <i>Environmental Pollution</i> , 2021, 279, 116904.	7.5	33
27	Downregulated endogenous sulfur dioxide/aspartate aminotransferase pathway is involved in angiotensin II-stimulated cardiomyocyte autophagy and myocardial hypertrophy in mice. <i>International Journal of Cardiology</i> , 2016, 225, 392-401.	1.7	31
28	Co-adsorption of perfluorooctane sulfonate and phosphate on boehmite: Influence of temperature, phosphate initial concentration and pH. <i>Ecotoxicology and Environmental Safety</i> , 2017, 137, 71-77.	6.0	31
29	A fully conjugated organic polymer via Knoevenagel condensation for fast separation of uranium. <i>Journal of Hazardous Materials</i> , 2021, 401, 123802.	12.4	30
30	Multicomponent Cascade Reaction by Metal-Free Aerobic Oxidation for Synthesis of Highly Functionalized 2-Amino-4-coumarinyl-5-arylpyrroles. <i>Journal of Organic Chemistry</i> , 2020, 85, 327-338.	3.2	26
31	Collyiform Crystalline 2D Covalent Organic Frameworks (COFs) with Quasi-3D Topologies for Rapid Adsorption. <i>Angewandte Chemie</i> , 2020, 132, 22886-22894.	2.0	26
32	An environmentally benign cascade reaction of chromone-3-carboxaldehydes with ethyl 2-(pyridine-2-yl)acetate derivatives for highly site-selective synthesis of quinolizines and quinolinium salts in water. <i>Green Chemistry</i> , 2020, 22, 6943-6953.	9.0	25
33	Dental follicle stem cells rescue the regenerative capacity of inflamed rat dental pulp through a paracrine pathway. <i>Stem Cell Research and Therapy</i> , 2020, 11, 333.	5.5	25
34	Red emission fluorescent probes for visualization of monoamine oxidase in living cells. <i>Scientific Reports</i> , 2016, 6, 31217.	3.3	24
35	Post treatment of swine anaerobic effluent by weak electric field following intermittent vacuum assisted adjustment of N:P ratio for oil-rich filamentous microalgae production. <i>Bioresource Technology</i> , 2020, 314, 123718.	9.6	24
36	Endogenous SO <sub>2</sub> -dependent Smad3 redox modification controls vascular remodeling. <i>Redox Biology</i> , 2021, 41, 101898.	9.0	22

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37	Differential responses of encoding-amoA nitrifiers and nir denitrifiers in activated sludge to anatase and rutile TiO <sub>2</sub> nanoparticles: What is active functional guild in rate limiting step of nitrogen cycle?. <i>Journal of Hazardous Materials</i> , 2020, 384, 121388.	12.4	21
38	Responses of freshwater biofilm formation processes (from colonization to maturity) to anatase and rutile TiO <sub>2</sub> nanoparticles: Effects of nanoparticles aging and transformation. <i>Water Research</i> , 2020, 182, 115953.	11.3	21
39	Rhodamine-based lysosome-targeted fluorescence probes: high pH sensitivity and their imaging application in living cells. <i>RSC Advances</i> , 2014, 4, 33975-33980.	3.6	20
40	Effect of perfluorooctanesulfonate (PFOS) on the rhizosphere soil nitrogen cycling of two riparian plants. <i>Science of the Total Environment</i> , 2020, 741, 140494.	8.0	19
41	A novel near-infrared fluorescent sensor for zero background nitrite detection via the covalent-assembly principle. <i>Food Chemistry</i> , 2021, 341, 128254.	8.2	19
42	A Rapid Surface-Enhanced Raman Scattering Method for the Determination of Trace Hg <sup>2+</sup> Using Rhodamine 6G-Aggregated Nanosilver as Probe. <i>Plasmonics</i> , 2012, 7, 461-468.	3.4	18
43	Multicomponent Tether Catalysis Synthesis of Highly Functionalized 4-(Pyridin-2-ylmethyl)-2-aminopyrroles via Cascade Reaction Is Accompanied by Decarboxylation. <i>Journal of Organic Chemistry</i> , 2019, 84, 11971-11982.	3.2	18
44	Synthesis of high drug loading, reactive oxygen species and esterase dual-responsive polymeric micelles for drug delivery. <i>RSC Advances</i> , 2019, 9, 2371-2378.	3.6	18
45	Stable isotope analyses of nitrogen source and preference for ammonium versus nitrate of riparian plants during the plant growing season in Taihu Lake Basin. <i>Science of the Total Environment</i> , 2021, 763, 143029.	8.0	18
46	Exogenic glucose as an electron donor for algal hydrogenases to promote hydrogen photoproduction by <i>Chlorella pyrenoidosa</i> . <i>Bioresource Technology</i> , 2019, 289, 121762.	9.6	17
47	Microalgae biotechnology as an attempt for bioregenerative life support systems: problems and prospects. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 3039-3048.	3.2	17
48	Effects of aging and transformation of anatase and rutile TiO <sub>2</sub> nanoparticles on biological phosphorus removal in sequencing batch reactors and related toxic mechanisms. <i>Journal of Hazardous Materials</i> , 2020, 398, 123030.	12.4	17
49	A single design strategy for dual sensitive pH probe with a suitable range to map pH in living cells. <i>Scientific Reports</i> , 2015, 5, 15540.	3.3	16
50	Macrophage-derived sulfur dioxide is a novel inflammation regulator. <i>Biochemical and Biophysical Research Communications</i> , 2020, 524, 916-922.	2.1	16
51	Long-Term Changes in the Water Quality and Macroinvertebrate Communities of a Subtropical River in South China. <i>Water (Switzerland)</i> , 2015, 7, 63-80.	2.7	15
52	Ara h 2 cross-linking catalyzed by MTGase decreases its allergenicity. <i>Food and Function</i> , 2017, 8, 1195-1203.	4.6	15
53	Crystalline phase-dependent eco-toxicity of titania nanoparticles to freshwater biofilms. <i>Environmental Pollution</i> , 2017, 231, 1433-1441.	7.5	15
54	Electrospraying magnetic-fluorescent bifunctional Janus PLGA microspheres with dual rare earth ions fluorescent-labeling drugs. <i>RSC Advances</i> , 2016, 6, 99034-99043.	3.6	14

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55	Microbial community-assisted water quality control and nutrients recovery: emerging technologies for the sustainable development of aquaponics. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 2405-2411.	3.2	14
56	Plant-Inspired Multifunctional Fluorescent Hydrogel: A Highly Stretchable and Recoverable Self-Healing Platform with Water-Controlled Adhesiveness for Highly Effective Antibacterial Application and Data Encryption-Decryption. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 57686-57694.	8.0	14
57	Quantitative evaluation of the non-thermal effect in microwave induced polymer curing. <i>RSC Advances</i> , 2021, 11, 3740-3750.	3.6	14
58	Novel mitochondria-targeted, nitrogen mustard-based DNA alkylation agents with near infrared fluorescence emission. <i>Talanta</i> , 2016, 161, 888-893.	5.5	13
59	HClO/CLO <sup>•-</sup> -Indicative Interpenetrating Polymer Network Hydrogels as Intelligent Bioactive Materials for Wound Healing. <i>ACS Applied Bio Materials</i> , 2020, 3, 37-44.	4.6	13
60	The dicyclen-TPE zinc complex as a novel fluorescent ensemble for nanomolar pyrophosphate sensing in 100% aqueous solution. <i>Organic Chemistry Frontiers</i> , 2014, 1, 1276-1279.	4.5	12
61	Study on the formation and properties of red blood cell-like Fe <sub>3</sub> O <sub>4</sub> /TbLa <sub>3</sub> (Bim) <sub>12</sub> /PLGA composite particles. <i>RSC Advances</i> , 2018, 8, 12503-12516.	3.6	12
62	Differential toxicity of anatase and rutile TiO <sub>2</sub> nanoparticles to the antioxidant enzyme system and metabolic activities of freshwater biofilms based on microelectrodes and fluorescence in situ hybridization. <i>Environmental Science: Nano</i> , 2019, 6, 2626-2640.	4.3	12
63	Multilevel Scattering Center and Deep Feature Fusion Learning Framework for SAR Target Recognition. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-14.	6.3	12
64	Phosphorus species in bottom sediments of the Three Gorges Reservoir during low and high water level periods. <i>Environmental Science and Pollution Research</i> , 2020, 27, 17923-17934.	5.3	11
65	Multifunctional lipophilic purines: a coping strategy for anti-counterfeiting, lipid droplet imaging and latent fingerprint development. <i>Materials Chemistry Frontiers</i> , 2021, 5, 6603-6610.	5.9	11
66	Immobilization cyclen copper (II) on merrifield resin: Efficient oxidative cleavage of plasmid DNA. <i>Journal of Applied Polymer Science</i> , 2009, 111, 2485-2492.	2.6	10
67	Bio-inspired assembly in a phospholipid bilayer: effective regulation of electrostatic and hydrophobic interactions for plasma membrane specific probes. <i>Chemical Communications</i> , 2020, 56, 3661-3664.	4.1	9
68	AMS Radiocarbon Dating of Tianma-Qucun Site in Shanxi, China. <i>Radiocarbon</i> , 2001, 43, 1109-1114.	1.8	8
69	Effects of carbon nanotubes on phosphorus adsorption behaviors on aquatic sediments. <i>Ecotoxicology and Environmental Safety</i> , 2017, 142, 230-236.	6.0	8
70	Effects of sediment components and TiO <sub>2</sub> nanoparticles on perfluorooctane sulfonate adsorption properties. <i>Journal of Soils and Sediments</i> , 2019, 19, 2034-2047.	3.0	8
71	Water sources of riparian plants during a rainy season in Taihu Lake Basin, China: a stable isotope study. <i>Chemical Speciation and Bioavailability</i> , 2017, 29, 153-160.	2.0	6
72	Unraveling adsorption behavior and mechanism of perfluorooctane sulfonate (PFOS) on aging aquatic sediments contaminated with engineered nano-TiO <sub>2</sub> . <i>Environmental Science and Pollution Research</i> , 2018, 25, 17878-17889.	5.3	6

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73	A near-infrared water-soluble fluorescent probe for the detection of biothiols in living cells and <i>Escherichia coli</i> . <i>Analytical Methods</i> , 2019, 11, 821-826.	2.7	6
74	Infrared and visible image fusion via octave Gaussian pyramid framework. <i>Scientific Reports</i> , 2021, 11, 1235.	3.3	6
75	Effects and behaviors of <i>Microcystis aeruginosa</i> in defluorination by two Al-based coagulants, AlCl <sub>3</sub> and Al <sub>13</sub> . <i>Chemosphere</i> , 2022, 286, 131865.	8.2	6
76	Preparation of chiral aryl alcohols: a controllable enzymatic strategy via light-driven NAD(P)H regeneration. <i>New Journal of Chemistry</i> , 2022, 46, 6274-6282.	2.8	6
77	Fast Visibility Restoration Using a Single Degradation Image in Scattering Media. <i>IEEE Photonics Journal</i> , 2020, 12, 1-13.	2.0	5
78	Compensatory role of endogenous sulfur dioxide in nitric oxide deficiency-induced hypertension. <i>Redox Biology</i> , 2021, 48, 102192.	9.0	5
79	Fractions and spatial distributions of agricultural riparian soil phosphorus in a small river basin of Taihu area, China. <i>Chemical Speciation and Bioavailability</i> , 2017, 29, 33-41.	2.0	4
80	Millimeter-Wave Active Integrated Semielliptic CPW Slot Antenna With Ultrawideband Compensation of Ball Grid Array Interconnection. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2022, 12, 111-120.	2.5	4
81	Sulphenylation of CypD at Cysteine 104: A Novel Mechanism by Which SO <sub>2</sub> Inhibits Cardiomyocyte Apoptosis. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 784799.	3.7	4
82	Oriented Smoothness Aided Harmonic Gradient Vector Flow for Active Contours. , 2009, , .		3
83	Donor and acceptor engineering for BINOL based AIEgens with enhanced fluorescence performance. <i>Materials Advances</i> , 2020, 1, 61-70.	5.4	3
84	Evolution of membrane fouling and cleaning strategy development in municipal wastewater reclamation by nanofiltration. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 1967-1978.	2.2	3
85	Three-Component Cascade Reaction of 1,1-Enediamines, N,N-Dimethylformamide Dimethyl Acetal, and 1,3-Dicarbonyl Compounds: Selective Synthesis of Diverse 2-Aminopyridine Derivatives. <i>ACS Omega</i> , 2019, 4, 2863-2873.	3.5	2
86	Development of immunoaffinity chromatographic method for Ara h 2 isolation. <i>Protein Expression and Purification</i> , 2017, 131, 85-90.	1.3	1
87	An efficient and stable magnetic nano-biocatalyst for biodiesel synthesis in recyclable ionic liquids. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 11947-11957.	4.6	1
88	Efficient 3D large-scale forward modeling of gravity anomaly in space-wavenumber mixing domain. , 2019, , .		0
89	A Broadband Ka-band Antenna with Asymmetric CPW Structure for package integration. , 2020, , .		0
90	The development and initial evaluation of referral flowchart for suspected neuroblastoma for pediatricians in nononcology clinics in China. <i>Pediatric Blood and Cancer</i> , 2021, 68, e28869.	1.5	0

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91	Distribution and migration of polycyclic aromatic hydrocarbons in sediment and water of the Three Gorges Reservoir. Soil Science Society of America Journal, 2022, 86, 566-578.	2.2	0
92	The miR-200 Family Targeting amh Affects the Gonadal Development of Japanese Flounder. Fishes, 2022, 7, 129.	1.7	0