

Kai Li

List of Publications by Year in descending order

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61
papers

1,084
citations

361045

20
h-index

476904

29
g-index

62
all docs

62
docs citations

62
times ranked

1077
citing authors

#	ARTICLE	IF	CITATIONS
1	Cu(II)-enhanced degradation of acid orange 7 by Fe(II)-activated persulfate with hydroxylamine over a wide pH range. <i>Chemosphere</i> , 2020, 238, 124533.	4.2	59
2	Study on a reliable epoxy-based phase change material: facile preparation, tunable properties, and phase/microphase separation behavior. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14562-14574.	5.2	57
3	2D MnO ₂ nanosheets generated signal transduction with OD carbon quantum dots: synthesis strategy, dual-mode behavior and glucose detection. <i>Nanoscale</i> , 2019, 11, 13058-13068.	2.8	45
4	Protective effects of L-arabinose in high-carbohydrate, high-fat diet-induced metabolic syndrome in rats. <i>Food and Nutrition Research</i> , 2015, 59, 28886.	1.2	43
5	LINC00242/miR-1-3p/G6PD axis regulates Warburg effect and affects gastric cancer proliferation and apoptosis. <i>Molecular Medicine</i> , 2021, 27, 9.	1.9	41
6	Insights into the Vulcanization Mechanism through a Simple and Facile Approach to the Sulfur Cleavage Behavior. <i>Macromolecules</i> , 2017, 50, 803-810.	2.2	38
7	The time-dependent synergism of the six-component mixtures of substituted phenols, pesticides and ionic liquids to <i>Caenorhabditis elegans</i> . <i>Journal of Hazardous Materials</i> , 2017, 327, 11-17.	6.5	38
8	N ₂ Silylation Catalyzed by a Bis(silylene)-Based [SiCSi] Pincer Hydrido Iron(II) Dinitrogen Complex. <i>Organometallics</i> , 2020, 39, 757-766.	1.1	38
9	Dispersive liquid-liquid microextraction coupled with digital image colorimetric analysis for detection of total iron in water and food samples. <i>Food Chemistry</i> , 2017, 230, 667-672.	4.2	34
10	Influence of cross-linking density on the structure and properties of the interphase within supported ultrathin epoxy films. <i>Journal of Materials Science</i> , 2016, 51, 9019-9030.	1.7	33
11	Toxicological interaction of multi-component mixtures to <i>Vibrio qinghaiensis</i> sp.-Q67 induced by at least three components. <i>Science of the Total Environment</i> , 2018, 635, 432-442.	3.9	33
12	Polymyxin B sulfate inducing time-dependent antagonism of the mixtures of pesticide, ionic liquids, and antibiotics to <i>Vibrio qinghaiensis</i> sp.-Q67. <i>RSC Advances</i> , 2017, 7, 6080-6088.	1.7	30
13	Circular RNA MTCL1 promotes advanced laryngeal squamous cell carcinoma progression by inhibiting C1QBP ubiquitin degradation and mediating beta-catenin activation. <i>Molecular Cancer</i> , 2022, 21, 92.	7.9	29
14	Characteristics of water absorption in amine-cured epoxy networks: a molecular simulation and experimental study. <i>Soft Matter</i> , 2018, 14, 8740-8749.	1.2	25
15	Circular RNA circVAPA promotes chemotherapy drug resistance in gastric cancer progression by regulating miR-125b-5p/STAT3 axis. <i>World Journal of Gastroenterology</i> , 2021, 27, 487-500.	1.4	24
16	Formation and structural evolution of starch nanocrystals from waxy maize starch and waxy potato starch. <i>International Journal of Biological Macromolecules</i> , 2021, 180, 625-632.	3.6	24
17	Sodium Metal Anodes with Self-Correction Function Based on Fluorine-Superdoped CNTs/Cellulose Nanofibrils Composite Paper. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	24
18	Effects of the furan ring in epoxy resin on the thermomechanical properties of highly cross-linked epoxy networks: a molecular simulation study. <i>RSC Advances</i> , 2016, 6, 769-777.	1.7	23

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19	Enhancement of visible-light-driven photocatalytic performance of BiOBr nanosheets by Co ²⁺ doping. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 14967-14976.	1.1	23
20	Combined Toxicity of 2,4-Dichlorophenoxyacetic Acid and Its Metabolites 2,4-Dichlorophenol (2,4-DCP) on Two Nontarget Organisms. <i>ACS Omega</i> , 2019, 4, 1669-1677.	1.6	23
21	Visual SLAM With BoPLW Pairs Using Egocentric Stereo Camera for Wearable-Assisted Substation Inspection. <i>IEEE Sensors Journal</i> , 2020, 20, 1630-1641.	2.4	22
22	Single universal primer recombinase polymerase amplification-based lateral flow biosensor (SUP-RPA-LFB) for multiplex detection of genetically modified maize. <i>Analytica Chimica Acta</i> , 2020, 1127, 217-224.	2.6	22
23	Ultra-High Fluorine Enhanced Homogeneous Nucleation of Lithium Metal on Stepped Carbon Nanosheets with Abundant Edge Sites. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	22
24	Determination of asperosaponin VI in rat plasma by HPLC-ESI-MS and its application to preliminary pharmacokinetic studies. <i>Biomedical Chromatography</i> , 2010, 24, 550-555.	0.8	20
25	Combining the uniform design-based ray procedure with combination index to investigate synergistic lethal toxicities of ternary mixtures on <i>Caenorhabditis elegans</i> . <i>Analytical Methods</i> , 2016, 8, 4466-4472.	1.3	19
26	Study on the dual-curing mechanism of epoxy/allyl compound/sulfur system. <i>Journal of Materials Science</i> , 2016, 51, 7887-7898.	1.7	19
27	Complex toxicological interaction between ionic liquids and pesticides to <i>Vibrio qinghaiensis</i> sp.-Q67. <i>RSC Advances</i> , 2016, 6, 21012-21018.	1.7	19
28	Tunable photoluminescence studies based on blue-emissive carbon dots and sequential determination of Fe(III) and pyrophosphate ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 222, 117231.	2.0	19
29	UV-Shielding Performance and Color of Lignin and its Application to Sunscreen. <i>Macromolecular Materials and Engineering</i> , 2022, 307, 2100628.	1.7	16
30	Lewis acid promoted dehydration of amides to nitriles catalyzed by [PSiP]-pincer iron hydrides. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5466.	1.7	15
31	2D g-C ₃ N ₄ /BiOBr heterojunctions with enhanced visible light photocatalytic activity. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	0.8	14
32	Molecular modification, structural characterization, and biological activity of xylans. <i>Carbohydrate Polymers</i> , 2021, 269, 118248.	5.1	14
33	Assessing the influence of the genetically modified factor on mixture toxicological interactions in <i>Caenorhabditis elegans</i> : Comparison between wild type and a SOD type. <i>Environmental Pollution</i> , 2018, 242, 872-879.	3.7	13
34	Polyethylene glycol 400 significantly enhances the stimulation of 2-phenoxyethanol on <i>Vibrio qinghaiensis</i> sp.-Q67 bioluminescence. <i>Ecotoxicology and Environmental Safety</i> , 2019, 171, 240-246.	2.9	13
35	One-pot solvothermal synthesis of lotus-leaf like Ni ₇ S ₆ /CoNi ₂ S ₄ hybrid on carbon fabric toward comprehensive high-performance flexible non-enzymatic glucose sensor and supercapacitor. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2988-2997.	2.7	13
36	Facile preparation of N-doped carbon/FeOx-decorated carbon cloth for flexible symmetric solid-state supercapacitors. <i>Cellulose</i> , 2020, 27, 1591-1601.	2.4	11

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37	Scheduling algorithm for flow shop with two batch-processing machines and arbitrary job sizes. <i>International Journal of Systems Science</i> , 2014, 45, 571-578.	3.7	10
38	Work-break scheduling with real-time fatigue effect and recovery. <i>International Journal of Production Research</i> , 2020, 58, 689-702.	4.9	10
39	A Configurable Floating-Point Multiple-Precision Processing Element for HPC and AI Converged Computing. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , 2022, 30, 213-226.	2.1	10
40	LINC01021 maintains tumorigenicity by enhancing N6-methyladenosine reader IMP2 dependent stabilization of MSX1 and JARID2: implication in colorectal cancer. <i>Oncogene</i> , 2022, 41, 1959-1973.	2.6	10
41	Single-machine scheduling problem with resource dependent release dates to minimise total resource consumption. <i>International Journal of Systems Science</i> , 2011, 42, 1811-1820.	3.7	9
42	A Distributed Topology Control Algorithm for k-Connected Dominating Set in Wireless Sensor Networks. , 2007, , .		7
43	Synthesis of Ag nanoparticles decorated MnO ₂ /sulfonated graphene composites with 3D macroporous structure for high performance capacitors electrode materials. <i>RSC Advances</i> , 2016, 6, 94682-94686.	1.7	7
44	Efficient dehydration of primary amides to nitriles catalyzed by phosphorus-chalcogen chelated iron hydrides. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5337.	1.7	7
45	Effect of Maillard reaction browning factors on color of membrane clarification non-centrifugal cane sugar during storage. <i>Food Science and Technology</i> , 0, 42, .	0.8	7
46	Synthesis and catalytic activity of N-heterocyclic silylene (NHSi) iron (II) hydride for hydrosilylation of aldehydes and ketones. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6286.	1.7	6
47	An integrated system with multiple product lifecycles for remanufacturing (IS-MPLR): new opportunities and challenges. <i>International Journal of Computer Integrated Manufacturing</i> , 2021, 34, 20-40.	2.9	6
48	Association between <i>AXIN1</i> Gene Polymorphisms and Bladder Cancer in Chinese Han Population. <i>Disease Markers</i> , 2019, 2019, 1-8.	0.6	5
49	Hierarchical Ni(OH) ₂ /Cu(OH) ₂ interwoven nanosheets <i>in situ</i> grown on Ni-Cu-P alloy plated cotton fabric for flexible high-performance energy storage. <i>Nanoscale Advances</i> , 2020, 2, 3358-3366.	2.2	5
50	Effective meta-heuristics for scheduling on uniform machines with resource-dependent release dates. <i>International Journal of Production Research</i> , 2015, 53, 5857-5872.	4.9	4
51	Statistical Behaviors of Semiflexible Polymer Chains Stretched in Rectangular Tubes. <i>Polymers</i> , 2019, 11, 260.	2.0	4
52	Investigation of moisture distribution and drying kinetic in noncentrifugal cane sugar during hot-air drying using LF-NMR. <i>Journal of Food Processing and Preservation</i> , 2022, 46, e16195.	0.9	4
53	A Vector Systolic Accelerator for Multi-Precision Floating-Point High-Performance Computing. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2022, 69, 4123-4127.	2.2	4
54	Associations between TAB2 Gene Polymorphisms and Epithelial Ovarian Cancer in a Chinese Population. <i>Disease Markers</i> , 2019, 2019, 1-9.	0.6	3

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55	Association between <i>AXIN1</i> gene polymorphisms and epithelial ovarian cancer in Chinese population. <i>Biomarkers in Medicine</i> , 2019, 13, 445-455.	0.6	3
56	Approximation algorithms for two-stage supply chain scheduling of production and distribution. <i>International Journal of Systems Science: Operations and Logistics</i> , 2015, 2, 78-89.	2.0	2
57	Subtotal gastrectomy combined with chemotherapy: An effective therapy for patients with circumscribed Borrmann type IV gastric cancer. <i>World Journal of Gastrointestinal Oncology</i> , 2020, 12, 1325-1335.	0.8	2
58	Adaptive Evolution-Assisted Riboflavin Production of <i>Ashbya gossypii</i> from Cane Molasses. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-10.	0.6	2
59	Feasibility of Bioaugmentation with Iron/Sulfur Oxidizing Acidophiles to Enhance Copper Bioleaching from a Flotation Copper Ore. <i>Applied Mechanics and Materials</i> , 2015, 768, 447-457.	0.2	0
60	Regional Semantic Learning and Mapping Based on Convolutional Neural Network and Conditional Random Field. , 2020, , .		0
61	Investigation and Analysis of the Influence of Vegetative Tracheobronchial Foreign Body on Airflow Field. <i>Applied Bionics and Biomechanics</i> , 2022, 2022, 1-15.	0.5	0