

Lei Yang

List of Publications by Year in descending order

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108
papers

2,340
citations

236925

25
h-index

254184

43
g-index

111
all docs

111
docs citations

111
times ranked

2902
citing authors

#	ARTICLE	IF	CITATIONS
1	An efficient approach for simultaneously obtaining oil and epigoitrin from <i>Orychophragmus violaceus</i> seeds by microwave-mediated immiscible binary solvent extraction. <i>Food Chemistry</i> , 2022, 372, 131258.	8.2	5
2	Analysis of multiple-phytohormones during fruit development in strawberry by using miniaturized dispersive solid-phase extraction based on ionic liquid-functionalized carbon fibers. <i>Journal of Food Composition and Analysis</i> , 2022, 106, 104262.	3.9	3
3	Manipulating the Activity and Thermal Compatibility of NdBaCoFeO _{5+δ} Cathodes for Intermediate-Temperature Solid Oxide Fuel Cells via Fluorine Doping. <i>ACS Applied Energy Materials</i> , 2022, 5, 481-491.	5.1	10
4	Visible and infrared solar radiation upconversion for water splitting via a surface plasmon-passivated strategy. <i>Journal of Materials Chemistry A</i> , 2022, 10, 3771-3781.	10.3	6
5	Interconnected N/P co-doped carbon nanocage as high capacitance electrode material for energy storage devices. <i>Nano Research</i> , 2022, 15, 4068-4075.	10.4	43
6	Highly enantioselective recognition of S-ibuprofen by a host-guest induced chiral nanochannel. <i>Analyst</i> , 2022, 147, 1803-1807.	3.5	5
7	Highly Chiral Selective Resolution in Pillar[6]arenes Functionalized Microchannel Membranes. <i>Analytical Chemistry</i> , 2022, 94, 6065-6070.	6.5	9
8	Guest-Induced Planar-Chiral Pillar[5]arene Surface for Selectively Adsorbing Protein Based on Host-Guest Chemistry. <i>Bioconjugate Chemistry</i> , 2022, 33, 2237-2244.	3.6	3
9	Prediction of Bed Density in a Pulsed Gas-Solid Fluidized Bed. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 968-976.	3.7	0
10	Sustainable washing-free printing of disperse dyes on polyester fabrics enabled by crosslinked fluorosilicone modified polyacrylate binders. <i>Polymers for Advanced Technologies</i> , 2021, 32, 641-650.	3.2	10
11	A layer-by-layer assembled d-arginine-calix[4]arene-Si-surface for macroscopic enantio-selective discrimination of (R)-ibuprofen. <i>Chemical Communications</i> , 2021, 57, 5706-5709.	4.1	3
12	Gas-Solid Distribution Theory in a Pulsed Fluidized Bed Based on the Intermediate Phase. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 3228-3238.	3.7	2
13	Efficient Chiral Nanosensor Based on Tip-Modified Nanochannels. <i>Analytical Chemistry</i> , 2021, 93, 6145-6150.	6.5	14
14	Efficient Adsorption of Anionic Dyes by Ammoniated Waste Polyacrylonitrile Fiber: Mechanism and Practicability. <i>ACS Omega</i> , 2021, 6, 19506-19516.	3.5	8
15	Promoting the Spreading of Droplets on a Superhydrophobic Surface by Supramolecular Amphiphilic Complex-Based Host-Guest Chemistry. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 9545-9550.	5.2	9
16	Tunable Photoluminescence Properties of Microcrystalline Cellulose with Gradually Changing Crystallinity and Crystal Form. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2100321.	3.9	25
17	Construction of A High-Flux Protein Transport Channel Inspired by the Nuclear Pore Complex. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24443-24449.	13.8	12
18	Construction of A High-Flux Protein Transport Channel Inspired by the Nuclear Pore Complex. <i>Angewandte Chemie</i> , 2021, 133, 24648.	2.0	0

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19	Divergent Synthesis of Contorted Polycyclic Aromatics Containing Pentagons, Heptagon, and/or Azulene. <i>Organic Letters</i> , 2021, , .	4.6	8
20	Nitric oxide and hydrogen peroxide increase glucose-6-phosphate dehydrogenase activities and expression upon drought stress in soybean roots. <i>Plant Cell Reports</i> , 2020, 39, 63-73.	5.6	20
21	Synthesis and application of novel silver magnetic amino silicone adhesive particles for preparation of high purity l \pm -linolenic acid from tree peony seed oil under applied magnetic field. <i>Journal of Chromatography A</i> , 2020, 1610, 460540.	3.7	4
22	Novel approach to produce biomass-derived oligosaccharides simultaneously by recombinant endoglucanase from <i>Trichoderma reesei</i> . <i>Enzyme and Microbial Technology</i> , 2020, 134, 109481.	3.2	6
23	Magnetically stabilized bed packed with synthesized magnetic silicone loaded with ionic liquid particles for efficient enrichment of flavonoids from tree peony petals. <i>Journal of Chromatography A</i> , 2020, 1613, 460671.	3.7	9
24	A facile quantitative characterization method of incomplete degradation products of galactomannan by ethanol fractional precipitation. <i>Carbohydrate Polymers</i> , 2020, 250, 116951.	10.2	15
25	Influence of dragon bamboo with different planting patterns on microbial community and physicochemical property of soil on sunny and shady slopes. <i>Journal of Microbiology</i> , 2020, 58, 906-914.	2.8	8
26	Extended Depth-of-Field of a Miniature Optical Endoscope Using Wavefront Coding. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3838.	2.5	9
27	Involvement of active MKK9-MAPK3/MAPK6 in increasing respiration in salt-treated <i>Arabidopsis</i> callus. <i>Protoplasma</i> , 2020, 257, 965-977.	2.1	13
28	Efficient Homogenization-Ultrasound-Assisted Extraction of Anthocyanins and Flavonols from Bog Bilberry (<i>Vaccinium uliginosum</i> L.) Marc with Carnosic Acid as an Antioxidant Additive. <i>Molecules</i> , 2019, 24, 2537.	3.8	11
29	Kinetic characteristics and N ₂ O production of a heterotrophic nitrifying bacterium <i>Pseudomonas putida</i> YH capable of tolerating adverse environmental conditions. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 3941-3950.	3.2	9
30	Genome-Wide Characterization and Expression Profiling of Squamosa Promoter Binding Protein-like (SBP) Transcription Factors in Wheat (<i>Triticum aestivum</i> L.). <i>Agronomy</i> , 2019, 9, 527.	3.0	26
31	Photonic Time-Stretch Technology with Prismatic Pulse Dispersion towards Fast Real-Time Measurements. <i>Photonics</i> , 2019, 6, 99.	2.0	2
32	Static phase transfer catalysis for Williamson reactions: Pickering interfacial catalysis. <i>Catalysis Science and Technology</i> , 2019, 9, 3445-3453.	4.1	7
33	<i>Microvirga calopogonii</i> sp. nov., a novel alphaproteobacterium isolated from a root nodule of <i>Calopogonium mucunoides</i> in Southwest China. <i>Antonie Van Leeuwenhoek</i> , 2019, 112, 1593-1602.	1.7	6
34	Simultaneous removal of nitrogen and phosphorous by heterotrophic nitrification-aerobic denitrification of a metal resistant bacterium <i>Pseudomonas putida</i> strain NP5. <i>Bioresource Technology</i> , 2019, 285, 121360.	9.6	131
35	Enhanced visible-light activation of persulfate by Ti ³⁺ self-doped TiO ₂ /graphene nanocomposite for the rapid and efficient degradation of micropollutants in water. <i>Journal of Hazardous Materials</i> , 2019, 365, 107-117.	12.4	140
36	Antisolvent precipitation for the preparation of high polymeric procyanidin nanoparticles under ultrasonication and evaluation of their antioxidant activity in vitro. <i>Ultrasonics Sonochemistry</i> , 2018, 43, 208-218.	8.2	34

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37	Design of high-efficiency diffractive optical elements towards ultrafast mid-infrared time-stretched imaging and spectroscopy. <i>Journal of Modern Optics</i> , 2018, 65, 255-261.	1.3	9
38	Data Provenance With Retention of Reference Relations. <i>IEEE Access</i> , 2018, 6, 77033-77042.	4.2	5
39	A Multi-layered Distributed Cloud Network for Cyber-Physical Energy System. , 2018, , .		0
40	Enrichment and Purification of Aucubin from <i>Eucommia ulmoides</i> Ionic Liquid Extract Using Macroporous Resins. <i>Materials</i> , 2018, 11, 1758.	2.9	11
41	An extended depth-of-field imaging system with a non-rotationally symmetric phase mask. <i>Review of Scientific Instruments</i> , 2018, 89, 103101.	1.3	6
42	Optimization of arabinogalactan and taxifolin extraction process from Dahurian larch (<i>Larix gmelinii</i>) Tj ETQqO O O rgBT /Overlock 10 TF 5 <i>Journal of Food Biochemistry</i> , 2018, 42, e12607.	2.9	8
43	Accurate Sybil Attack Detection Based on Fine-Grained Physical Channel Information. <i>Sensors</i> , 2018, 18, 878.	3.8	24
44	Comparison of the antioxidant effects of carnosic acid and synthetic antioxidants on tara seed oil. <i>Chemistry Central Journal</i> , 2018, 12, 37.	2.6	9
45	Separation of the main flavonoids and essential oil from seabuckthorn leaves by ultrasonic/microwave-assisted simultaneous distillation extraction. <i>Royal Society Open Science</i> , 2018, 5, 180133.	2.4	22
46	An efficient approach for the extraction of orientin and vitexin from <i>Trollius chinensis</i> flowers using ultrasonic circulating technique. <i>Ultrasonics Sonochemistry</i> , 2017, 37, 267-278.	8.2	34
47	RNF8 identified as a co-activator of estrogen receptor β promotes cell growth in breast cancer. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 1615-1628.	3.8	34
48	Influences of urea on the interaction of 32 β -Norcorrole with bovine serum albumin. <i>Spectroscopy Letters</i> , 2017, 50, 322-329.	1.0	4
49	Efficient approach for the extraction of proanthocyanidins from <i>Cinnamomum longepaniculatum</i> leaves using ultrasonic irradiation and an evaluation of their inhibition activity on digestive enzymes and antioxidant activity in vitro. <i>Journal of Separation Science</i> , 2017, 40, 3100-3113.	2.5	27
50	A process to preserve valuable compounds and acquire essential oils from pomelo flavedo using a microwave irradiation treatment. <i>Food Chemistry</i> , 2017, 224, 172-180.	8.2	20
51	Tunable Terahertz Amplifier Based on Slow Light Edge Mode in Graphene Plasmonic Crystal. <i>IEEE Journal of Quantum Electronics</i> , 2017, 53, 1-6.	1.9	9
52	A modified approach for isolation of essential oil from fruit of <i>Amorpha fruticosa</i> Linn using microwave-assisted hydrodistillation concatenated liquid-liquid extraction. <i>Journal of Chromatography A</i> , 2017, 1524, 254-265.	3.7	22
53	Determination of orientin in <i>Trollius chinensis</i> using ultrasound-assisted extraction and high performance liquid chromatography: Several often-overlooked sample preparation parameters in an ultrasonic bath. <i>Journal of Chromatography A</i> , 2017, 1530, 68-79.	3.7	11
54	Br α nsted acidic ionic liquid based ultrasound-microwave synergistic extraction of pectin from pomelo peels. <i>International Journal of Biological Macromolecules</i> , 2017, 94, 309-318.	7.5	53

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55	Optimization of ultrasonic circulating extraction of samara oil from <i>Acer saccharum</i> using combination of Plackett–Burman design and Box–Behnken design. <i>Ultrasonics Sonochemistry</i> , 2017, 35, 161-175.	8.2	70
56	Aspheric optical surface profiling based on laser scanning and auto-collimation. <i>Review of Scientific Instruments</i> , 2017, 88, 113106.	1.3	2
57	A Continuous Procedure Based on Column Chromatography to Purify Anthocyanins from <i>Schisandra chinensis</i> by a Macroporous Resin plus Gel Filtration Chromatography. <i>Molecules</i> , 2016, 21, 204.	3.8	10
58	A Microwave-Assisted Simultaneous Distillation and Extraction Method for the Separation of Polysaccharides and Essential Oil from the Leaves of <i>Taxus chinensis</i> Var. <i>mairei</i> . <i>Applied Sciences</i> (Switzerland), 2016, 6, 19.	2.5	18
59	Visible wavelength-independent anti-reflection coatings generated from assembled SiO ₂ particles modified with tetraethoxysilane. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 79, 520-524.	2.4	6
60	An approach for extraction of kernel oil from <i>Pinus pumila</i> using homogenate-circulating ultrasound in combination with an aqueous enzymatic process and evaluation of its antioxidant activity. <i>Journal of Chromatography A</i> , 2016, 1471, 68-79.	3.7	58
61	<i>Lolium Perenne</i> as the Cultivation Plant in Hydroponic Ditch and Constructed Wetland to Improve Wastewater Treatment Efficiency in a Cold Region. <i>Wetlands</i> , 2016, 36, 659-665.	1.5	19
62	Application of alkyl polyglycoside surfactant in ultrasonic-assisted extraction followed by macroporous resin enrichment for the separation of vitexin-2- ³ -O -rhamnoside and vitexin from <i>Crataegus pinnatifida</i> leaves. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1012-1013, 69-78.	2.3	23
63	Ionic liquid–lithium salt based microwave pretreatment followed by ultrasonic-assisted extraction of syringin and oleuropein from <i>Syringa reticulata</i> var. <i>mandshurica</i> branch bark by a dual response surface methodology. <i>Analytical Methods</i> , 2016, 8, 1532-1542.	2.7	4
64	Ionic liquids–lithium salts pretreatment followed by ultrasound-assisted extraction of vitexin-4- ³ -O -glucoside, vitexin-2- ³ -O -rhamnoside and vitexin from <i>Phyllostachys edulis</i> leaves. <i>Journal of Chromatography A</i> , 2016, 1431, 17-26.	3.7	11
65	Aggregate-based sub-CMC solubilization of n-alkanes by monorhamnolipid biosurfactant. <i>New Journal of Chemistry</i> , 2016, 40, 2028-2035.	2.8	28
66	Antihyperglycemic and antioxidant activities of total alkaloids from <i>Catharanthus roseus</i> in streptozotocin-induced diabetic rats. <i>Journal of Forestry Research</i> , 2016, 27, 167-174.	3.6	7
67	Enzymatic Hydrolysis and Simultaneous Extraction for Preparation of Genipin from Bark of <i>Eucommia ulmoides</i> after Ultrasound, Microwave Pretreatment. <i>Molecules</i> , 2015, 20, 18717-18731.	3.8	11
68	Nitrogen removal characteristics of a heterotrophic nitrifier <i>Acinetobacter junii</i> YB and its potential application for the treatment of high-strength nitrogenous wastewater. <i>Bioresource Technology</i> , 2015, 193, 227-233.	9.6	121
69	Optimized extraction of polysaccharides from <i>Taxus chinensis</i> var. <i>mairei</i> fruits and its antitumor activity. <i>International Journal of Biological Macromolecules</i> , 2015, 75, 192-198.	7.5	22
70	Antireflection coating on silk fabric fabricated from reactive silica nanoparticles and its deepening color performance. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 74, 488-498.	2.4	7
71	Probing the interaction of anthraquinone with DNA by spectroscopy, molecular modeling and cancer cell imaging technique. <i>Chemico-Biological Interactions</i> , 2015, 233, 65-70.	4.0	12
72	An approach of ionic liquids/lithium salts based microwave irradiation pretreatment followed by ultrasound-microwave synergistic extraction for two coumarins preparation from <i>Cortex fraxini</i> . <i>Journal of Chromatography A</i> , 2015, 1417, 8-20.	3.7	22

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73	Aggregate-based sub-CMC solubilization of hexadecane by surfactants. RSC Advances, 2015, 5, 78142-78149.	3.6	25
74	Microwave-assisted synthesis and biological evaluation of 3,4-diaryl maleic anhydride/N-substituted maleimide derivatives as combretastatin A-4 analogues. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 631-634.	2.2	31
75	Two solid-phase recycling method for basic ionic liquid [C4mim]Ac by macroporous resin and ion exchange resin from Schisandra chinensis fruits extract. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 976-977, 1-5.	2.3	12
76	Microwave-Assisted Simultaneous Extraction of Luteolin and Apigenin from Tree Peony Pod and Evaluation of Its Antioxidant Activity. Scientific World Journal, The, 2014, 2014, 1-12.	2.1	19
77	The Galloyl Catechins Contributing to Main Antioxidant Capacity of Tea Made from <i>Camellia sinensis</i> in China. Scientific World Journal, The, 2014, 2014, 1-11.	2.1	43
78	Optimization of Ionic Liquid Based Simultaneous Ultrasonic- and Microwave-Assisted Extraction of Rutin and Quercetin from Leaves of Velvetleaf (<i>Abutilon theophrasti</i>) by Response Surface Methodology. Scientific World Journal, The, 2014, 2014, 1-11.	2.1	13
79	Ionic Liquid-Based Vacuum Microwave-Assisted Extraction Followed by Macroporous Resin Enrichment for the Separation of the Three Glycosides Salicin, Hyperin and Rutin from Populus Bark. Molecules, 2014, 19, 9689-9711.	3.8	31
80	Development of an Ionic Liquid-Based Microwave-Assisted Method for the Extraction and Determination of Taxifolin in Different Parts of <i>Larix gmelinii</i> . Molecules, 2014, 19, 19471-19490.	3.8	17
81	Extraction and Chromatographic Determination of Shikimic Acid in Chinese Conifer Needles with 1-Benzyl-3-methylimidazolium Bromide Ionic Liquid Aqueous Solutions. Journal of Analytical Methods in Chemistry, 2014, 2014, 1-12.	1.6	17
82	Antioxidant effects of rosemary extracts on sunflower oil compared with synthetic antioxidants. International Journal of Food Science and Technology, 2014, 49, 385-391.	2.7	63
83	Simultaneous quantitative determination of five alkaloids in <i>Catharanthus roseus</i> by HPLC-ESI-MS/MS. Chinese Journal of Natural Medicines, 2014, 12, 786-793.	1.3	14
84	Design, synthesis, and antibacterial activity against rice bacterial leaf blight and leaf streak of 2,5-substituted-1,3,4-oxadiazole/thiadiazole sulfone derivative. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 1677-1680.	2.2	120
85	Ultrasound-Assisted Extraction of Arabinogalactan and Dihydroquercetin Simultaneously from <i>Larix gmelinii</i> as a Pretreatment for Pulping and Papermaking. PLoS ONE, 2014, 9, e114105.	2.5	9
86	Grafting of N,N-dimethylacrylamide onto silk fibers via a RAFT agent controlled radical transformation process. Fibers and Polymers, 2013, 14, 875-885.	2.1	3
87	Development of sample preparation method for isoliquiritigenin, liquiritin, and glycyrrhizic acid analysis in licorice by ionic liquids-ultrasound based extraction and high-performance liquid chromatography detection. Food Chemistry, 2013, 138, 173-179.	8.2	41
88	Development of sample preparation method for eleutheroside B and E analysis in <i>Acanthopanax senticosus</i> by ionic liquids-ultrasound based extraction and high-performance liquid chromatography detection. Food Chemistry, 2013, 141, 2426-2433.	8.2	21
89	Investigation of the Polymerization Behavior and Regioselectivity of Fluorene Diamine-Based Benzoxazines. Macromolecular Chemistry and Physics, 2013, 214, 617-628.	2.2	36
90	An all-fiber source of pulsed twin beams for quantum communication. Applied Physics Letters, 2012, 101, .	3.3	20

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91	The glass-forming ability and thermal stability of novolac-phenolic resin. <i>Polymer Composites</i> , 2012, 33, 232-236.	4.6	2
92	Physicochemical properties and oral bioavailability of ursolic acid nanoparticles using supercritical anti-solvent (SAS) process. <i>Food Chemistry</i> , 2012, 132, 319-325.	8.2	60
93	Time Use Patterns Between Maintenance, Subsistence and Leisure Activities: A Case Study in China. <i>Social Indicators Research</i> , 2012, 105, 121-136.	2.7	16
94	Hydrogeochemical features of geothermal water resources in Wentang Valley Anticline in SW China. , 2011, , .		0
95	Oxidative stability of fish oil supplemented with carnosic acid compared with synthetic antioxidants during long-term storage. <i>Food Chemistry</i> , 2011, 128, 93-99.	8.2	95
96	Charactering fiber-based source of heralded single photons. , 2011, , .		0
97	Thermal properties and degradation of Phenolic Resin/Zn composite films. , 2011, , .		1
98	Model of Municipal Solid Waste Source Separation Activity: A Case Study of Beijing. <i>Journal of the Air and Waste Management Association</i> , 2011, 61, 157-163.	1.9	27
99	Structural correlations between liquid and solid Ag ₇₀ Au ₃₀ alloy. , 2011, , .		0
100	Absolute calibration of photon-counting detection efficiency using photon pairs generated in optical fibers. , 2011, , .		0
101	Determination of Camptothecin and 10-Hydroxycamptothecin in <i>Camptotheca acuminata</i> by LC-ESI-MS/MS. <i>Analytical Letters</i> , 2010, 43, 2681-2693.	1.8	11
102	Variations of vinblastine accumulation and redox state affected by exogenous H ₂ O ₂ in <i>Catharanthus roseus</i> (L.) G. Don. <i>Plant Growth Regulation</i> , 2009, 57, 15-20.	3.4	15
103	Reducing silk fibrillation through MMA graft method. <i>Fibers and Polymers</i> , 2009, 10, 807-812.	2.1	13
104	All-fiber source of frequency-entangled photon pairs. <i>Physical Review A</i> , 2009, 79, .	2.5	42
105	Dispersion of guava-like-silica/polyacrylate nanocomposite particles in polyacrylate matrix. <i>Frontiers of Chemical Engineering in China</i> , 2008, 2, 127-134.	0.6	2
106	Phenolic rigid organic filler/isotactic polypropylene composites. I. Preparation. <i>Frontiers of Chemical Engineering in China</i> , 2008, 2, 236-241.	0.6	4
107	Study on the structural relationship between the liquid and amorphous Fe ₇₈ Si ₉ B ₁₃ alloys by ab initio molecular dynamics simulation. <i>Applied Physics Letters</i> , 2007, 90, 201909.	3.3	48
108	Packing Density-Promoted Emission Strategy toward Tunable Photoluminescence and Room-Temperature Phosphorescence. <i>ACS Sustainable Chemistry and Engineering</i> , 0, , .	6.7	5