Lei Yang

List of Publications by Year
in descending order

108	2,340	236925 25	254184 43
papers	citations	h-index	g-index

111	111	111	2902
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhanced visible-light activation of persulfate by Ti3+ self-doped TiO2/graphene nanocomposite for the rapid and efficient degradation of micropollutants in water. Journal of Hazardous Materials, 2019, 365, 107-117.	12.4	140
2	Simultaneous removal of nitrogen and phosphorous by heterotrophic nitrification-aerobic denitrification of a metal resistant bacterium Pseudomonas putida strain NP5. Bioresource Technology, 2019, 285, 121360.	9.6	131
3	Nitrogen removal characteristics of a heterotrophic nitrifier Acinetobacter junii YB and its potential application for the treatment of high-strength nitrogenous wastewater. Bioresource Technology, 2015, 193, 227-233.	9.6	121
4	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
5	Oxidative stability of fish oil supplemented with carnosic acid compared with synthetic antioxidants during long-term storage. Food Chemistry, 2011, 128, 93-99.	8.2	95
6	Optimization of ultrasonic circulating extraction of samara oil from Acer saccharum using combination of Plackettâ€“Burman design and Boxâ€“Behnken design. Ultrasonics Sonochemistry, 2017, 35, 161-175.	8.2	70
7	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
8	Physicochemical properties and oral bioavailability of ursolic acid nanoparticles using supercritical anti-solvent (SAS) process. Food Chemistry, 2012, 132, 319-325.	8.2	60
9	An approach for extraction of kernel oil from Pinus pumila using homogenate-circulating ultrasound in combination with an aqueous enzymatic process and evaluation of its antioxidant activity. Journal of Chromatography A, 2016, 1471, 68-79.	3.7	58
10	BrÃ¶nsted acidic ionic liquid based ultrasound-microwave synergistic extraction of pectin from pomelo peels. International Journal of Biological Macromolecules, 2017, 94, 309-318.	7.5	53
11	Study on the structural relationship between the liquid and amorphous Fe78Si9B13 alloys by ab initio molecular dynamics simulation. Applied Physics Letters, 2007, 90, 201909.	3.3	48
12	The Galloyl Catechins Contributing to Main Antioxidant Capacity of Tea Made fromCamellia sinensisin China. Scientific World Journal, The, 2014, 2014, 1-11.	2.1	43
13	Interconnected N/P co-doped carbon nanocage as high capacitance electrode material for energy storage devices. Nano Research, 2022, 15, 4068-4075.	10.4	43
14	All-fiber source of frequency-entangled photon pairs. Physical Review A, 2009, 79, .	2.5	42
15	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
16	Investigation of the Polymerization Behavior and Regioselectivity of Fluorene Diamineâ€Based Benzoxazines. Macromolecular Chemistry and Physics, 2013, 214, 617-628.	2.2	36
17	An efficient approach for the extraction of orientin and vitexin from Trollius chinensis flowers using ultrasonic circulating technique. Ultrasonics Sonochemistry, 2017, 37, 267-278.	8.2	34
18	RNF8 identified as a co-activator of estrogen receptor Î± promotes cell growth in breast cancer. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 1615-1628.	3.8	34

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19	Antisolvent precipitation for the preparation of high polymeric procyanidin nanoparticles under ultrasonication and evaluation of their antioxidant activity in vitro. Ultrasonics Sonochemistry, 2018, 43, 208-218.	8.2	34
20	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
21	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
22	Aggregate-based sub-CMC solubilization of n-alkanes by monorhamnolipid biosurfactant. New Journal of Chemistry, 2016, 40, 2028-2035.	2.8	28
23	Model of Municipal Solid Waste Source Separation Activity: A Case Study of Beijing. Journal of the Air and Waste Management Association, 2011, 61, 157-163.	1.9	27
24	Efficient approach for the extraction of proanthocyanidins from Cinnamomum longepaniculatum leaves using ultrasonic irradiation and an evaluation of their inhibition activity on digestive enzymes and antioxidant activity in vitro. Journal of Separation Science, 2017, 40, 3100-3113.	2.5	27
25	Genome-Wide Characterization and Expression Profiling of Squamosa Promoter Binding Protein-like (SBP) Transcription Factors in Wheat (Triticum aestivum L.). Agronomy, 2019, 9, 527.	3.0	26
26	Aggregate-based sub-CMC solubilization of hexadecane by surfactants. RSC Advances, 2015, 5, 78142-78149.	3.6	25
27	Tunable Photoluminescence Properties of Microcrystalline Cellulose with Gradually Changing Crystallinity and Crystal Form. Macromolecular Rapid Communications, 2021, 42, e2100321.	3.9	25
28	Accurate Sybil Attack Detection Based on Fine-Grained Physical Channel Information. Sensors, 2018, 18, 878.	3.8	24
29	Application of alkyl polyglycoside surfactant in ultrasonic-assisted extraction followed by macroporous resin enrichment for the separation of vitexin-2â€³- O -rhamnoside and vitexin from Crataegus pinnatifida leaves. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1012-1013, 69-78.	2.3	23
30	Optimized extraction of polysaccharides from Taxus chinensis var. mairei fruits and its antitumor activity. International Journal of Biological Macromolecules, 2015, 75, 192-198.	7.5	22
31	An approach of ionic liquids/lithium salts based microwave irradiation pretreatment followed by ultrasound-microwave synergistic extraction for two coumarins preparation from Cortex fraxini. Journal of Chromatography A, 2015, 1417, 8-20.	3.7	22
32	A modified approach for isolation of essential oil from fruit of Amorpha fruticosa Linn using microwave-assisted hydrodistillation concatenated liquid-liquid extraction. Journal of Chromatography A, 2017, 1524, 254-265.	3.7	22
33	Separation of the main flavonoids and essential oil from seabuckthorn leaves by ultrasonic/microwave-assisted simultaneous distillation extraction. Royal Society Open Science, 2018, 5, 180133.	2.4	22
34	Development of sample preparation method for eleutheroside B and E analysis in Acanthopanax senticosus by ionic liquids-ultrasound based extraction and high-performance liquid chromatography detection. Food Chemistry, 2013, 141, 2426-2433.	8.2	21
35	An all-fiber source of pulsed twin beams for quantum communication. Applied Physics Letters, 2012, 101, .	3.3	20
36	A process to preserve valuable compounds and acquire essential oils from pomelo flavedo using a microwave irradiation treatment. Food Chemistry, 2017, 224, 172-180.	8.2	20

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37	Nitric oxide and hydrogen peroxide increase glucose-6-phosphate dehydrogenase activities and expression upon drought stress in soybean roots. Plant Cell Reports, 2020, 39, 63-73.	5.6	20
38	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
39	Lolium Perenne as the Cultivation Plant in Hydroponic Ditch and Constructed Wetland to Improve Wastewater Treatment Efficiency in a Cold Region. Wetlands, 2016, 36, 659-665.	1.5	19
40	A Microwave-Assisted Simultaneous Distillation and Extraction Method for the Separation of Polysaccharides and Essential Oil from the Leaves of Taxus chinensis Var. mairei. Applied Sciences (Switzerland), 2016, 6, 19.	2.5	18
41	Development of an Ionic Liquid-Based Microwave-Assisted Method for the Extraction and Determination of Taxifolin in Different Parts of Larix gmelinii. Molecules, 2014, 19, 19471-19490.	3.8	17
42	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
43	Time Use Patterns Between Maintenance, Subsistence and Leisure Activities: A Case Study in China. Social Indicators Research, 2012, 105, 121-136.	2.7	16
44	Variations of vinblastine accumulation and redox state affected by exogenous H2O2 in Catharanthus roseus (L.) G. Don. Plant Growth Regulation, 2009, 57, 15-20.	3.4	15
45	A facile quantitative characterization method of incomplete degradation products of galactomannan by ethanol fractional precipitation. Carbohydrate Polymers, 2020, 250, 116951.	10.2	15
46	Simultaneous quantitative determination of five alkaloids in Catharanthus roseus by HPLC-ESI-MS/MS. Chinese Journal of Natural Medicines, 2014, 12, 786-793.	1.3	14
47	Efficient Chiral Nanosenor Based on Tip-Modified Nanochannels. Analytical Chemistry, 2021, 93, 6145-6150.	6.5	14
48	Reducing silk fibrillation through MMA graft method. Fibers and Polymers, 2009, 10, 807-812.	2.1	13
49	Optimization of Ionic Liquid Based Simultaneous Ultrasonic- and Microwave-Assisted Extraction of Rutin and Quercetin from Leaves of Velvetleaf (Abutilon theophrasti) by Response Surface Methodology. Scientific World Journal, The, 2014, 2014, 1-11.	2.1	13
50	Involvement of active MKK9-MAPK3/MAPK6 in increasing respiration in salt-treated Arabidopsis callus. Protoplasma, 2020, 257, 965-977.	2.1	13
51	Probing the interaction of anthraquinone with DNA by spectroscopy, molecular modeling and cancer cell imaging technique. Chemico-Biological Interactions, 2015, 233, 65-70.	4.0	12
52	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
53	Construction of A Highâ€Flux Protein Transport Channel Inspired by the Nuclear Pore Complex. Angewandte Chemie - International Edition, 2021, 60, 24443-24449.	13.8	12
54	Determination of Camptothecin and 10-Hydroxycamptothecin inCamptotheca acuminataby LC-ESI-MS/MS. Analytical Letters, 2010, 43, 2681-2693.	1.8	11

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55	Enzymatic Hydrolysis and Simultaneous Extraction for Preparation of Genipin from Bark of Eucommia ulmoides after Ultrasound, Microwave Pretreatment. Molecules, 2015, 20, 18717-18731.	3.8	11
56	Ionic liquidsâ€“lithium salts pretreatment followed by ultrasound-assisted extraction of vitexin-4â€³- O -glucoside, vitexin-2â€³- O -rhamnoside and vitexin from Phyllostachys edulis leaves. Journal of Chromatography A, 2016, 1431, 17-26.	3.7	11
57	Determination of orientin in Trollius chinensis using ultrasound-assisted extraction and high performance liquid chromatography: Several often-overlooked sample preparation parameters in an ultrasonic bath. Journal of Chromatography A, 2017, 1530, 68-79.	3.7	11
58	Enrichment and Purification of Aucubin from Eucommia ulmoides Ionic Liquid Extract Using Macroporous Resins. Materials, 2018, 11, 1758.	2.9	11
59	Efficient Homogenization-Ultrasound-Assisted Extraction of Anthocyanins and Flavonols from Bog Bilberry (Vaccinium uliginosum L.) Marc with Carnosic Acid as an Antioxidant Additive. Molecules, 2019, 24, 2537.	3.8	11
60	A Continuous Procedure Based on Column Chromatography to Purify Anthocyanins from Schisandra chinensis by a Macroporous Resin plus Gel Filtration Chromatography. Molecules, 2016, 21, 204.	3.8	10
61	Sustainable washingâ€free printing of disperse dyes on polyester fabrics enabled by crosslinked fluorosilicone modified polyacrylate binders. Polymers for Advanced Technologies, 2021, 32, 641-650.	3.2	10
62	Manipulating the Activity and Thermal Compatibility of NdBaCoFeO_{5+Î´} Cathodes for Intermediate-Temperature Solid Oxide Fuel Cells via Fluorine Doping. ACS Applied Energy Materials, 2022, 5, 481-491.	5.1	10
63	Tunable Terahertz Amplifier Based on Slow Light Edge Mode in Graphene Plasmonic Crystal. IEEE Journal of Quantum Electronics, 2017, 53, 1-6.	1.9	9
64	Design of high-efficiency diffractive optical elements towards ultrafast mid-infrared time-stretched imaging and spectroscopy. Journal of Modern Optics, 2018, 65, 255-261.	1.3	9
65	Comparison of the antioxidant effects of carnosic acid and synthetic antioxidants on tara seed oil. Chemistry Central Journal, 2018, 12, 37.	2.6	9
66	Kinetic characteristics and N₂O production of a heterotrophic nitrifying bacterium Pseudomonas putida YH capable of tolerating adverse environmental conditions. Journal of Chemical Technology and Biotechnology, 2019, 94, 3941-3950.	3.2	9
67	Magnetically stabilized bed packed with synthesized magnetic silicone loaded with ionic liquid particles for efficient enrichment of flavonoids from tree peony petals. Journal of Chromatography A, 2020, 1613, 460671.	3.7	9
68	Extended Depth-of-Field of a Miniature Optical Endoscope Using Wavefront Coding. Applied Sciences (Switzerland), 2020, 10, 3838.	2.5	9
69	Promoting the Spreading of Droplets on a Superhydrophobic Surface by Supramolecular Amphiphilic Complex-Based Hostâ€“Guest Chemistry. Journal of Agricultural and Food Chemistry, 2021, 69, 9545-9550.	5.2	9
70	Ultrasound-Assisted Extraction of Arabinogalactan and Dihydroquercetin Simultaneously from Larix gmelinii as a Pretreatment for Pulping and Papermaking. PLoS ONE, 2014, 9, e114105.	2.5	9
71	Highly Chiral Selective Resolution in Pillar[6]arenes Functionalized Microchannel Membranes. Analytical Chemistry, 2022, 94, 6065-6070.	6.5	9
72	Optimization of arabinogalactan and taxifolin extraction process from Dahurian larch (Larix gmelinii) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Journal of Food Biochemistry, 2018, 42, e12607.	2.9	8

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73	Influence of dragon bamboo with different planting patterns on microbial community and physicochemical property of soil on sunny and shady slopes. Journal of Microbiology, 2020, 58, 906-914.	2.8	8
74	Efficient Adsorption of Anionic Dyes by Ammoniated Waste Polyacrylonitrile Fiber: Mechanism and Practicability. ACS Omega, 2021, 6, 19506-19516.	3.5	8
75	Divergent Synthesis of Contorted Polycyclic Aromatics Containing Pentagons, Heptagon, and/or Azulene. Organic Letters, 2021, , .	4.6	8
76	Antireflection coating on silk fabric fabricated from reactive silica nanoparticles and its deepening color performance. Journal of Sol-Gel Science and Technology, 2015, 74, 488-498.	2.4	7
77	Antihyperglycemic and antioxidant activities of total alkaloids from Catharanthus roseus in streptozotocin-induced diabetic rats. Journal of Forestry Research, 2016, 27, 167-174.	3.6	7
78	Static phase transfer catalysis for Williamson reactions: Pickering interfacial catalysis. Catalysis Science and Technology, 2019, 9, 3445-3453.	4.1	7
79	Visible wavelength-independent anti-reflection coatings generated from assembled SiO2 particles modified with tetraethoxysilane. Journal of Sol-Gel Science and Technology, 2016, 79, 520-524.	2.4	6
80	An extended depth-of-field imaging system with a non-rotationally symmetric phase mask. Review of Scientific Instruments, 2018, 89, 103101.	1.3	6
81	Microvirga calopogonii sp. nov., a novel alphaproteobacterium isolated from a root nodule of Calopogonium mucunoides in Southwest China. Antonie Van Leeuwenhoek, 2019, 112, 1593-1602.	1.7	6
82	Novel approach to produce biomass-derived oligosaccharides simultaneously by recombinant endoglucanase from Trichoderma reesei. Enzyme and Microbial Technology, 2020, 134, 109481.	3.2	6
83	Visible and infrared solar radiation upconversion for water splitting via a surface plasmon-passivated strategy. Journal of Materials Chemistry A, 2022, 10, 3771-3781.	10.3	6
84	Data Provenance With Retention of Reference Relations. IEEE Access, 2018, 6, 77033-77042.	4.2	5
85	An efficient approach for simultaneously obtaining oil and epigoitrin from Orychophragmus violaceus seeds by microwave-mediated immiscible binary solvent extraction. Food Chemistry, 2022, 372, 131258.	8.2	5
86	Highly enantioselective recognition of S-ibuprofen by a hostâ€“guest induced chiral nanochannel. Analyst, The, 2022, 147, 1803-1807.	3.5	5
87	Packing Density-Promoted Emission Strategy toward Tunable Photoluminescence and Room-Temperature Phosphorescence. ACS Sustainable Chemistry and Engineering, 0, , .	6.7	5
88	Phenolic rigid organic filler/isotactic polypropylene composites. I. Preparation. Frontiers of Chemical Engineering in China, 2008, 2, 236-241.	0.6	4
89	Ionic liquidâ€“lithium salt based microwave pretreatment followed by ultrasonic-assisted extraction of syringin and oleuropein from Syringa reticulata var. mandshurica branch bark by a dual response surface methodology. Analytical Methods, 2016, 8, 1532-1542.	2.7	4
90	Influences of urea on the interaction of 32Ï€-Norcorrole with bovine serum albumin. Spectroscopy Letters, 2017, 50, 322-329.	1.0	4

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91	Synthesis and application of novel silver magnetic amino silicone adhesive particles for preparation of high purity Î±-linolenic acid from tree peony seed oil under applied magnetic field. Journal of Chromatography A, 2020, 1610, 460540.	3.7	4
92	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
93	A layer-by-layer assembled<scp>d</scp>/<scp>l</scp>-arginine-calix[4]arene-Si-surface for macroscopic enantio-selective discrimination of (R)/(S)-ibuprofen. Chemical Communications, 2021, 57, 5706-5709.	4.1	3
94	Analysis of multiple-phytohormones during fruit development in strawberry by using miniaturized dispersive solid-phase extraction based on ionic liquid-functionalized carbon fibers. Journal of Food Composition and Analysis, 2022, 106, 104262.	3.9	3
95	Guest-Induced Planar-Chiral Pillar[5]arene Surface for Selectively Adsorbing Protein Based on Hostâ€“Guest Chemistry. Bioconjugate Chemistry, 2022, 33, 2237-2244.	3.6	3
96	Dispersion of â€œguava-likeâ€•silica/polyacrylate nanocomposite particles in polyacrylate matrix. Frontiers of Chemical Engineering in China, 2008, 2, 127-134.	0.6	2
97	The glassâ€forming ability and thermal stability of novolacâ€“phenolic resin. Polymer Composites, 2012, 33, 232-236.	4.6	2
98	Aspheric optical surface profiling based on laser scanning and auto-collimation. Review of Scientific Instruments, 2017, 88, 113106.	1.3	2
99	Photonic Time-Stretch Technology with Prismatic Pulse Dispersion towards Fast Real-Time Measurements. Photonics, 2019, 6, 99.	2.0	2
100	Gasâ€“Solid Distribution Theory in a Pulsed Fluidized Bed Based on the Intermediate Phase. Industrial & Engineering Chemistry Research, 2021, 60, 3228-3238.	3.7	2
101	Thermal properties and degradation of Phenolic Resin/Zn composite films. , 2011, , .		1
102	Hydrogeochemical features of geothermal water resources in Wentang Valley Anticline in SW China. , 2011, , .		0
103	Charactering fiber-based source of heralded single photons. , 2011, , .		0
104	Structural correlations between liquid and solid Ag<inf>70</inf>Au<inf>30</inf> alloy. , 2011, , .		0
105	Absolute calibration of photon-counting detection efficiency using photon pairs generated in optical fibers. , 2011, , .		0
106	A Multi-layered Distributed Cloud Network for Cyber-Physical Energy System. , 2018, , .		0
107	Construction of A Highâ€flux Protein Transport Channel Inspired by the Nuclear Pore Complex. Angewandte Chemie, 2021, 133, 24648.	2.0	0
108	Prediction of Bed Density in a Pulsed Gasâ€“Solid Fluidized Bed. Industrial & Engineering Chemistry Research, 2022, 61, 968-976.	3.7	0