

Xu Bo

List of Publications by Year in descending order

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127
papers

2,835
citations

279798

23
h-index

214800

47
g-index

127
all docs

127
docs citations

127
times ranked

3165
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodegradation of Î»-cyhalothrin through cell surface display of bacterial carboxylesterase. Chemosphere, 2022, 289, 133130.	8.2	13
2	Dual-functional significance of ATM-mediated phosphorylation of spindle assembly checkpoint component Bub3 in mitosis and the DNA damage response. Journal of Biological Chemistry, 2022, 298, 101632.	3.4	5
3	Electrochemical Sulfonation-Induced Lactonization of Alkenes: Synthesis of Sulfonyl Phthalides. Journal of Organic Chemistry, 2022, 87, 1208-1217.	3.2	13
4	Path Tracking of an Underwater Snake Robot and Locomotion Efficiency Optimization Based on Improved Pigeon-Inspired Algorithm. Journal of Marine Science and Engineering, 2022, 10, 47.	2.6	6
5	A Novel ANFIS-AQPSO-GA-Based Online Correction Measurement Method for Cooperative Localization. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-17.	4.7	1
6	A Novel Adaptive Filtering for Cooperative Localization Under Compass Failure and Non-Gaussian Noise. IEEE Transactions on Vehicular Technology, 2022, 71, 3737-3749.	6.3	26
7	An Automatic Search and Energy-Saving Continuous Tracking Algorithm for Underwater Targets Based on Prediction and Neural Network. Journal of Marine Science and Engineering, 2022, 10, 283.	2.6	8
8	Enzymatic construction of a temperature-regulating fabric with multiple heat-transfer capabilities. Cellulose, 2022, 29, 3513-3528.	4.9	5
9	A Tracking Algorithm for Sparse and Dynamic Underwater Sensor Networks. Journal of Marine Science and Engineering, 2022, 10, 337.	2.6	5
10	Synthesis of Cyclopropenes and Fluorinated Cyclopropanes via Michael Initiated Ring Closure of Alkyl Triflones. Chemistry - A European Journal, 2022, 28, e202104364.	3.3	3
11	Effects of dietary fibre on intestinal microbiota in geese evaluated by <scp>16SrRNA</scp> gene sequencing. Journal of Applied Microbiology, 2022, , .	3.1	2
12	Divergent Synthesis of Sulfonyl Quinolines, Formyl Indoles, and Quinolones from Ethynyl Benzoazinanones via Au^I Catalysis, Au^I-Arl Co-Catalysis, and Silver Catalysis. ACS Catalysis, 2022, 12, 7134-7141.	11.2	4
13	A Novel DVL Calibration Method Based on Robust Invariant Extended Kalman Filter. IEEE Transactions on Vehicular Technology, 2022, 71, 9422-9434.	6.3	23
14	Mode-Coupling Induced Crosstalk Optimization in a Graded-Index Six-Mode Fiber. IEEE Photonics Journal, 2022, 14, 1-8.	2.0	2
15	Electrochemical Oxidative Halogenation of <i>N</i>-Aryl Alkynamides for the Synthesis of Spiro[4.5]trienones. Journal of Organic Chemistry, 2021, 86, 917-928.	3.2	46
16	Radical generation from electroreduction of aryl and benzyl ammonium salts: synthesis of organoboronates. Organic Chemistry Frontiers, 2021, 8, 702-707.	4.5	15
17	Visible-light promoted oxidative cyclization of cinnamic acid derivatives using xanthone as the photocatalyst. Organic and Biomolecular Chemistry, 2021, 19, 568-573.	2.8	14
18	Synthesis of Acrylonitriles via Mild Base Promoted Tandem Nucleophilic Substitution–Isomerization of Î±-Cyanohydrin Methanesulfonates. Chinese Journal of Chemistry, 2021, 39, 913-917.	4.9	6

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19	Hydrogenâ€Bondâ€Donor Solvents Enable Catalystâ€Free (Radio)â€Halogenation and Deuteration of Organoborons. Chemistry - A European Journal, 2021, 27, 1297-1300.	3.3	5
20	A Novel Measurement Information Anomaly Detection Method for Cooperative Localization. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-18.	4.7	5
21	A Novel Robust Gaussian Approximate Smoother Based on EM for Cooperative Localization With Sensor Fault and Outliers. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-14.	4.7	9
22	A disease-relevant mutation of SPOP highlights functional significance of ATM-mediated DNA damage response. Signal Transduction and Targeted Therapy, 2021, 6, 17.	17.1	3
23	A deep learning algorithm using CT images to screen for Corona virus disease (COVID-19). European Radiology, 2021, 31, 6096-6104.	4.5	742
24	Preparation of flame retardant and conductive epoxy resin composites by incorporating functionalized multiâ€walled carbon nanotubes and graphite sheets. Polymers for Advanced Technologies, 2021, 32, 2093-2101.	3.2	17
25	Concurrent mutations associated with trastuzumab-resistance revealed by single cell sequencing. Breast Cancer Research and Treatment, 2021, 187, 613-624.	2.5	2
26	Synthesis of Phenanthridine and Quinoxaline Derivatives <i>via</i> <scp>Copperâ€Catalyzed</scp> Radical Cyanoalkylation of Cyclobutanone Oxime Esters and Vinyl Azides. Chinese Journal of Chemistry, 2021, 39, 1948-1952.	4.9	13
27	Electrochemical Oxidative Cross-Coupling between Vinyl Azides and Thiophenols: Synthesis of gem-Bisarylthio Enamines. Journal of Organic Chemistry, 2021, 86, 15946-15952.	3.2	12
28	Mechanically Strong Heterogeneous Catalysts via Immobilization of Powderous Catalysts to Porous Plastic Tablets. Chinese Journal of Chemistry, 2021, 39, 2673-2678.	4.9	4
29	Aromatic Ketone-Catalyzed Photochemical Synthesis of Imidazo-isoquinolinone Derivatives. Journal of Organic Chemistry, 2021, 86, 12851-12861.	3.2	24
30	Role of BCLAFâ€1 in PDâ€1 stabilization in response to ionizing irradiation. Cancer Science, 2021, 112, 4064-4074.	3.9	7
31	Maximum correntropy delay Kalman filter for SINS/USBL integrated navigation. ISA Transactions, 2021, 117, 274-287.	5.7	23
32	A facile strategy for the preparation of photothermal silk fibroin aerogels with antibacterial and oil-water separation abilities. Journal of Colloid and Interface Science, 2021, 603, 518-529.	9.4	34
33	An Improved Robust Kalman Filter for SINS/DVL Tightly Integrated Navigation System. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-15.	4.7	17
34	Preparation of <scp>PEG</scp>â€modified wool keratin/sodium alginate porous scaffolds with elasticity recovery and good biocompatibility. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2021, 109, 1303-1312.	3.4	4
35	Efficient Regulation of the Behaviors of Silk Fibroin Hydrogel via Enzyme-Catalyzed Coupling of Hyaluronic Acid. Langmuir, 2021, 37, 478-489.	3.5	14
36	A novel robust filter for outliers and time-varying delay on an SINS/USBL integrated navigation model. Measurement Science and Technology, 2021, 32, 015903.	2.6	13

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37	A Novel Adaptive Filter for Cooperative Localization Under Time-Varying Delay and Non-Gaussian Noise. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-15.	4.7	14
38	Mild Base-Promoted Tandem Nucleophilic Substitution/Decarboxylation/Hydroamination: Access to 3-Sulfonylindoles and 2-Methyleneindophenols. Organic Letters, 2021, 23, 9157-9162.	4.6	5
39	Unbalanced-Ion-Pair-Catalyzed Nucleophilic Fluorination Using Potassium Fluoride. Organic Letters, 2021, 23, 9640-9644.	4.6	11
40	Optical Interconnection Network Based on Distributed Switching for Data Center Application. , 2021, , .		0
41	Self Organizing Cooperative Obstacle Avoidance Method for AUV Swarm. , 2021, , .		0
42	Transmission Performance and Noise Suppression in a Two-mode Fiber (TMF) Channel. , 2021, , .		2
43	Message Schedule Table's Generation Algorithm in Time-Triggered Fibre Channel Networks. , 2021, , .		0
44	Practical fluorothiolation and difluorothiolation of alkenes using pyridine-HF and <i>N</i> -thiosuccinimides. Organic Chemistry Frontiers, 2020, 7, 119-125.	4.5	13
45	Exploring the mechanism of pullulan delay potato starch long-term retrogradation from the viewpoint of amylopectin chain motion. International Journal of Biological Macromolecules, 2020, 145, 84-91.	7.5	11
46	Electrochemical Oxidation-Induced Difunctionalization of Alkynes and Alkenes with Sulfonyl Hydrazides: Facile Access to α -Selenovinyl Sulfones and α -Ketosulfones. Asian Journal of Organic Chemistry, 2020, 9, 1760-1764.	2.7	25
47	Improving ablation properties of ceramifiable vitreous silica fabric reinforced boron phenolic resin composites via an incorporation of MoSi_2 . Plastics, Rubber and Composites, 2020, 49, 456-469.	2.0	17
48	Electrochemical Tandem Fluoroalkylation-Cyclization of Vinyl Azides: Access to Trifluoroethylated and Difluoroethylated N-Heterocycles. Journal of Organic Chemistry, 2020, 85, 15708-15716.	3.2	32
49	Metal-Free Electrochemical Coupling of Vinyl Azides: Synthesis of Phenanthridines and α -Ketosulfones. European Journal of Organic Chemistry, 2020, 2020, 6135-6145.	2.4	22
50	Rho-associated protein kinase-dependent moesin phosphorylation is required for PD-L1 stabilization in breast cancer. Molecular Oncology, 2020, 14, 2701-2712.	4.6	24
51	Bioinformatics Analysis of the Prognostic and Biological Significance of ZDHHC-Protein Acyltransferases in Kidney Renal Clear Cell Carcinoma. Frontiers in Oncology, 2020, 10, 565414.	2.8	14
52	Regio- and stereoselective halothiolation of alkynes using lithium halides and N-thiosuccinimides. Organic Chemistry Frontiers, 2020, 7, 1690-1695.	4.5	13
53	Laccase-mediated construction of flexible double-network hydrogels based on silk fibroin and tyramine-modified hyaluronic acid. International Journal of Biological Macromolecules, 2020, 160, 795-805.	7.5	38
54	Construction of a composite hydrogel of silk sericin via horseradish peroxidase-catalyzed graft polymerization of poly(PEGDMA). Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 2643-2655.	3.4	9

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55	Transcriptomic Analysis of <i>Pichia pastoris</i> (Komagataella phaffii) GS115 During Heterologous Protein Production Using a High-Cell-Density Fed-Batch Cultivation Strategy. <i>Frontiers in Microbiology</i> , 2020, 11, 463.	3.5	17
56	A Novel Calibration Method of SINS/DVL Integration Navigation System based on Quaternion. <i>IEEE Sensors Journal</i> , 2020, , 1-1.	4.7	26
57	Improved Maximum Correntropy Cubature Kalman Filter for Cooperative Localization. <i>IEEE Sensors Journal</i> , 2020, 20, 13585-13595.	4.7	28
58	Rh(III)-Catalyzed C-H Acylmethylation of 6-Arylpurines Using Sulfoxonium Ylides as Carbene Precursors. <i>ChemistrySelect</i> , 2020, 5, 2465-2468.	1.5	9
59	Transparent and tough poly(2-hydroxyethyl methacrylate) hydrogels prepared in water/IL mixtures. <i>New Journal of Chemistry</i> , 2020, 44, 4092-4098.	2.8	13
60	Exploring the role of pullulan in the process of potato starch film formation. <i>Carbohydrate Polymers</i> , 2020, 234, 115910.	10.2	9
61	Enzymatic deposition of PPy onto cPEG-grafted silk fibroin membrane to achieve conductivity. <i>New Journal of Chemistry</i> , 2020, 44, 7042-7050.	2.8	5
62	Synergy between SIRT1 and SIRT6 helps recognize DNA breaks and potentiates the DNA damage response and repair in humans and mice. <i>ELife</i> , 2020, 9, .	6.0	49
63	Kinetochore protein MAD1 participates in the DNA damage response through ataxia-telangiectasia mutated kinase-mediated phosphorylation and enhanced interaction with KU80. <i>Cancer Biology and Medicine</i> , 2020, 17, 640-651.	3.0	1
64	Pyridine hydrochloride-catalyzed thiolation of alkenes: divergent synthesis of allyl and vinyl sulfides. <i>Organic Chemistry Frontiers</i> , 2020, 7, 3474-3479.	4.5	7
65	Design of Close Formation Controller for UAVs Based on Fuzzy PID Rule. , 2020, , .		0
66	Synthesis of Z-Enamides through Heterogeneous Gold-Catalyzed Stereoselective Hydrogenation of Ynamides. <i>Journal of Organic Chemistry</i> , 2019, 84, 11240-11246.	3.2	12
67	Topology optimisation method for MACL formation based on acoustic measurement network. <i>IET Radar, Sonar and Navigation</i> , 2019, 13, 927-936.	1.8	2
68	Maximum Correntropy Extend Kalman Filter for Multiple AUVs Cooperative Localization. , 2019, , .		2
69	A Review on Optimal Placement of Sensors for Cooperative Localization of AUVs. <i>Journal of Sensors</i> , 2019, 2019, 1-12.	1.1	14
70	Multifaceted ion exchange resin-supported hydrogen fluoride: a path to flow hydrofluorination. <i>Green Chemistry</i> , 2019, 21, 2224-2228.	9.0	11
71	Electrochemical synthesis of enaminones via a decarboxylative coupling reaction. <i>Green Chemistry</i> , 2019, 21, 3796-3801.	9.0	75
72	Characterization of a novel salt-, xylose- and alkali-tolerant GH43 bifunctional β -xylosidase/ β -l-arabinofuranosidase from the gut bacterial genome. <i>Journal of Bioscience and Bioengineering</i> , 2019, 128, 429-437.	2.2	24

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73	Cooperative Localization in Harsh Underwater Environment Based on the MC-ANFIS. IEEE Access, 2019, 7, 55407-55421.	4.2	29
74	Improving Homogeneous Cationic Gold Catalysis through a Mechanism-Based Approach. Accounts of Chemical Research, 2019, 52, 1275-1288.	15.6	73
75	Synthesis of Alkyl Halides from Aldehydes via Deformylative Halogenation. Organic Letters, 2019, 21, 3848-3854.	4.6	26
76	Cooperative Localisation of AUVs based on Huber-based Robust Algorithm and Adaptive Noise Estimation. Journal of Navigation, 2019, 72, 875-893.	1.7	21
77	Solventless and metal-free regioselective hydrofluorination of functionalized alkynes and allenes: an efficient protocol for the synthesis of <i>gem</i> -difluorides. Green Chemistry, 2019, 21, 1467-1471.	9.0	13
78	A New Adaptive Extended Kalman Filter for Cooperative Localization. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 353-368.	4.7	188
79	Synthesis, Characterization, and Antifogging Application of Polymer/Al ₂ O ₃ Nanocomposite Hydrogels with High Strength and Self-Healing Capacity. Polymers, 2018, 10, 1362.	4.5	13
80	Mitigation of SSBI based on Kramersâ€Kronig receiver in SSB-OFDM-RoF system. , 2018, , .		1
81	A Fast Hybrid Noise Filtering Algorithm Based on Median-Mean. , 2018, , .		4
82	High-Strength Nanocomposite Hydrogels with Swelling-Resistant and Anti-Dehydration Properties. Polymers, 2018, 10, 1025.	4.5	23
83	Synthesis of β -trifluoromethylthiolated and β -thiocyanated Ketones Using Unpoled Enolates. Advanced Synthesis and Catalysis, 2018, 360, 4429-4434.	4.3	28
84	Ligandless Copperâ€Catalyzed Carboborylation of Heteroatomâ€Substituted Alkynes. Advanced Synthesis and Catalysis, 2018, 360, 3249-3253.	4.3	13
85	Fast alignment method for strapdown navigation system on stationary base. , 2018, , .		1
86	Mild Base Promoted Nucleophilic Substitution of Unactivated <i>sp</i> ³ -Carbon Electrophiles with Alkenylboronic Acids. Advanced Synthesis and Catalysis, 2018, 360, 3667-3671.	4.3	15
87	High strength and anti-fatigue nanocomposite hydrogels prepared via self-initiated free radical polymerization triggered by daylight. New Journal of Chemistry, 2018, 42, 11796-11803.	2.8	15
88	Rational design and development of a peptide inhibitor for the PD-1/PD-L1 interaction. Cancer Letters, 2018, 434, 11-21.	7.2	33
89	Optimal Sensor Formation for 3D Cooperative Localization of AUVs Using Time Difference of Arrival (TDOA) Method. Sensors, 2018, 18, 4442.	3.8	9
90	Application and Analysis of Rhizopus oryzae Mycelia Extending Characteristic in Solid-state Fermentation for Producing Glucoamylase. Journal of Microbiology and Biotechnology, 2018, 28, 1865-1875.	2.1	4

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91	Optimal design of damping network based on DVL velocity and IMU. Ocean Engineering, 2017, 132, 101-113.	4.3	14
92	A <i>Shinella</i> β -N-acetylglucosaminidase of glycoside hydrolase family 20 displays novel biochemical and molecular characteristics. Extremophiles, 2017, 21, 699-709.	2.3	21
93	A New Outlier-Robust Student's t Based Gaussian Approximate Filter for Cooperative Localization. IEEE/ASME Transactions on Mechatronics, 2017, 22, 2380-2386.	5.8	126
94	A comprehensive method for evaluating precision of transfer alignment on a moving base. Journal of Marine Science and Application, 2017, 16, 344-351.	1.7	2
95	Genetic diversity of catechol 1,2-dioxygenase in the fecal microbial metagenome. Journal of Basic Microbiology, 2017, 57, 883-895.	3.3	8
96	Distinctive molecular and biochemical characteristics of a glycoside hydrolase family 20 β -N-acetylglucosaminidase and salt tolerance. BMC Biotechnology, 2017, 17, 37.	3.3	17
97	Characterization of a novel low-temperature-active, alkaline and sucrose-tolerant invertase. Scientific Reports, 2016, 6, 32081.	3.3	22
98	Characterization of a NaCl-tolerant β -N-acetylglucosaminidase from <i>Sphingobacterium</i> sp. HWLB1. Extremophiles, 2016, 20, 547-557.	2.3	20
99	Compensation of synchronization error of SIMU and experimental validation. , 2016, , .		1
100	A novel surfactant-, NaCl-, and protease-tolerant β -mannanase from <i>Bacillus</i> sp. HJ14. Folia Microbiologica, 2016, 61, 233-242.	2.3	13
101	Phase Noise Effects on Phase-Modulated Coherent Optical OFDM. IEEE Photonics Journal, 2016, 8, 1-8.	2.0	14
102	Characterization of a Glycoside Hydrolase Family 27 β -Galactosidase from <i>Pontibacter</i> Reveals Its Novel Salt-Protease Tolerance and Transglycosylation Activity. Journal of Agricultural and Food Chemistry, 2016, 64, 2315-2324.	5.2	19
103	Identification and Characterization of a New 7-Aminocephalosporanic Acid Deacetylase from Thermophilic Bacterium <i>Alicyclobacillus tengchongensis</i> . Journal of Bacteriology, 2016, 198, 311-320.	2.2	11
104	Characterization of two glycoside hydrolase family 36 β -galactosidases: Novel transglycosylation activity, lead-zinc tolerance, alkaline and multiple pH optima, and low-temperature activity. Food Chemistry, 2016, 194, 156-166.	8.2	29
105	The Analysis and Optimization Design of Thermal-Electrical Coupling System with Consideration of Numerical Noises. Journal of Computational and Theoretical Nanoscience, 2016, 13, 6906-6915.	0.4	0
106	Properties of a Newly Identified Esterase from <i>Bacillus</i> sp. K91 and Its Novel Function in Diisobutyl Phthalate Degradation. PLoS ONE, 2015, 10, e0119216.	2.5	44
107	Molecular and biochemical characterizations of a new low-temperature active mannanase. Folia Microbiologica, 2015, 60, 483-492.	2.3	17
108	Cold-active and NaCl-tolerant exo-inulinase from a cold-adapted <i>Arthrobacter</i> sp. MN8 and its potential for use in the production of fructose at low temperatures. Journal of Bioscience and Bioengineering, 2015, 119, 267-274.	2.2	17

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109	Dual-Model Reverse CKF Algorithm in Cooperative Navigation for USV. Mathematical Problems in Engineering, 2014, 2014, 1-17.	1.1	7
110	Error Analysis and Compensation of Gyrocompass Alignment for SINS on Moving Base. Mathematical Problems in Engineering, 2014, 2014, 1-18.	1.1	6
111	Robust Huber-Based Iterated Divided Difference Filtering with Application to Cooperative Localization of Autonomous Underwater Vehicles. Sensors, 2014, 14, 24523-24542.	3.8	25
112	Cooperative navigation and localization for unmanned surface vessel with low-cost sensors. , 2014, , .		2
113	Design of a hybrid switching architecture for avionic WDM platforms. Optoelectronics Letters, 2014, 10, 63-66.	0.8	0
114	An improved cooperative localization method for multiple autonomous underwater vehicles based on acoustic round-trip ranging. , 2014, , .		9
115	Antiviral Activity of (+)-Rutamarin against Kaposi's Sarcoma-Associated Herpesvirus by Inhibition of the Catalytic Activity of Human Topoisomerase II. Antimicrobial Agents and Chemotherapy, 2014, 58, 563-573.	3.2	30
116	Cloning and Characterization of a Novel α -1/2- β -1/2-Amylase from a Fecal Microbial Metagenome. Journal of Microbiology and Biotechnology, 2014, 24, 447-452.	2.1	25
117	Experimental verification platform for FC-over-WDM-based avionic network. , 2013, , .		0
118	Characterization of a family 3 polysaccharide lyase with broad temperature adaptability, thermo-alkali stability, and ethanol tolerance. Biotechnology and Bioprocess Engineering, 2012, 17, 729-738.	2.6	4
119	Two-stage evolution of the Altyn Tagh Fault during the Cenozoic: new insight from provenance analysis of a geological section in NW Qaidam Basin, NW China. Terra Nova, 2012, 24, 387-395.	2.1	83
120	Development and characterization of microsatellite loci in Lamprotula leai, with cross-amplification in Hyriopsis cumingii. Conservation Genetics Resources, 2011, 3, 545-547.	0.8	1
121	The diagnostic method of earth fault based on the evolution of fault in distribution network. , 2011, , .		4
122	Research on the signal synchronization technology of three axes FOGs. , 2010, , .		0
123	Analyse of damping network effect on SINS. , 2009, , .		5
124	A FOG Online Calibration Research Based on High-Precision Three-axis Turntable. , 2009, , .		12
125	Comparison of robust H ∞ filter and Kalman filter for initial alignment of inertial navigation system. Journal of Marine Science and Application, 2008, 7, 116-121.	1.7	15
126	Error Modeling and Simulation Analysis for the Vehicle Launching System Erecting. Advanced Materials Research, 0, 566, 680-684.	0.3	0

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127	Microwave thermally expanded graphene/polyaniline conductive paste for elaborate conductive pattern and conductive polyester fabric fabrication via screen printing. Journal of Coatings Technology Research, 0, , 1.	2.5	4