

Chao Xu

List of Publications by Year in descending order

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442
papers

16,356
citations

16411

64
h-index

27345

106
g-index

452
all docs

452
docs citations

452
times ranked

17823
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Electricity-structure-fluid coupled modelling and experiment of underwater flexible structure with partially distributed macro fiber composites. <i>JVC/Journal of Vibration and Control</i> , 2022, 28, 290-303. | 1.5 | 4 |
| 2 | Interactions between dietary carbohydrate and thiamine: implications on the growth performance and intestinal mitochondrial biogenesis and function of <i>Megalobrama amblycephala</i> . <i>British Journal of Nutrition</i> , 2022, 127, 321-334. | 1.2 | 8 |
| 3 | Deep Learning-Aided Optical IM/DD OFDM Approaches the Throughput of RF-OFDM. <i>IEEE Journal on Selected Areas in Communications</i> , 2022, 40, 212-226. | 9.7 | 9 |
| 4 | Low-Complexity Channel Estimation and Passive Beamforming for RIS-Assisted MIMO Systems Relying on Discrete Phase Shifts. <i>IEEE Transactions on Communications</i> , 2022, 70, 1245-1260. | 4.9 | 61 |
| 5 | Low-Complexity Improved-Rate Generalised Spatial Modulation: Bit-to-Symbol Mapping, Detection and Performance Analysis. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 1060-1065. | 3.9 | 5 |
| 6 | Structural basis for METTL6-mediated m3C RNA methylation. <i>Biochemical and Biophysical Research Communications</i> , 2022, 589, 159-164. | 1.0 | 5 |
| 7 | Reconfigurable Intelligent Surface Assisted Multi-Carrier Wireless Systems for Doubly Selective High-Mobility Ricean Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 4023-4041. | 3.9 | 21 |
| 8 | Ultrafast Internal Conversion Dynamics through the on-the-Fly Simulation of Transient Absorption Pump-Probe Spectra with Different Electronic Structure Methods. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 661-668. | 2.1 | 13 |
| 9 | Joint Training of the Superimposed Direct and Reflected Links in Reconfigurable Intelligent Surface Assisted Multiuser Communications. <i>IEEE Transactions on Green Communications and Networking</i> , 2022, 6, 739-754. | 3.5 | 19 |
| 10 | Automatic Approach to Explore the Multireaction Mechanism for Medium-Sized Bimolecular Reactions via Collision Dynamics Simulations and Transition State Searches. <i>Journal of Chemical Theory and Computation</i> , 2022, 18, 910-924. | 2.3 | 6 |
| 11 | Effects of dietary leucine and valine levels on growth performance, glycolipid metabolism and immune response in <i>Tilapia GIFT Oreochromis niloticus</i> . <i>Fish and Shellfish Immunology</i> , 2022, 121, 395-403. | 1.6 | 6 |
| 12 | Kinetics and Mechanism of Degradation of Reactive Radical-Mediated Probe Compounds by the UV/Chlorine Process: Theoretical Calculation and Experimental Verification. <i>ACS Omega</i> , 2022, 7, 5053-5063. | 1.6 | 8 |
| 13 | Molecular characterization and expression analysis of acyl-CoA synthetase 6 in golden pompano <i>Trachinotus ovatus</i> reveal its function in DHA enrichment. <i>Aquaculture</i> , 2022, 551, 737966. | 1.7 | 1 |
| 14 | <i>Tilapia</i> can be a Beneficial n-3 LC-PUFA Source due to Its High Biosynthetic Capacity in the Liver and Intestine. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 2701-2711. | 2.4 | 6 |
| 15 | Magnesium supplementation in high carbohydrate diets: Implications on growth, muscle fiber development and flesh quality of <i>Megalobrama amblycephala</i> . <i>Aquaculture Reports</i> , 2022, 23, 101039. | 0.7 | 4 |
| 16 | Unity-Rate Coding Improves the Iterative Detection Convergence of Autoencoder-Aided Communication Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 5037-5047. | 3.9 | 2 |
| 17 | The Achievable Rate Analysis of Generalized Quadrature Spatial Modulation and a Pair of Low-Complexity Detectors. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 5203-5215. | 3.9 | 6 |
| 18 | Microbial Biomass Is More Important than Runoff Export in Predicting Soil Inorganic Nitrogen Concentrations Following Forest Conversion in Subtropical China. <i>Land</i> , 2022, 11, 295. | 1.2 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Cycle-Induced Interfacial Degradation and Transition-Metal Cross-Over in LiNi _{0.8} Mn _{0.1} Co _{0.1} O ₂ Graphite Cells. <i>Chemistry of Materials</i> , 2022, 34, 2034-2048. | 3.2 | 28 |
| 20 | Turbo Detection Aided Autoencoder for Multicarrier Wireless Systems: Integrating Deep Learning Into Channel Coded Systems. <i>IEEE Transactions on Cognitive Communications and Networking</i> , 2022, 8, 600-614. | 4.9 | 7 |
| 21 | The Spatiotemporal Characteristics and Interactions between Urban Expansion and Tidal Flat Dynamics: A Case Study of Three Highly Urbanized Coastal Counties in the Southeastern United States. <i>Earth</i> , 2022, 3, 557-576. | 0.9 | 2 |
| 22 | Pulsating one-dimensional detonation in ammonia-hydrogen air mixtures. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 21517-21536. | 3.8 | 11 |
| 23 | Soil Respiration in Planted and Naturally Regenerated <i>Castanopsis carelesii</i> Forests during Three Years Post-Establishment. <i>Forests</i> , 2022, 13, 931. | 0.9 | 2 |
| 24 | Relationship of local current and two-phase flow in proton exchange membrane electrolyzer cells. <i>Journal of Power Sources</i> , 2022, 542, 231742. | 4.0 | 11 |
| 25 | Uncertainty propagation in modal analysis of viscoelastic sandwich structures using a stochastic collocation method. <i>Journal of Sandwich Structures and Materials</i> , 2021, 23, 1141-1165. | 2.0 | 2 |
| 26 | Effect of extrusion ratio and temperature on microstructures and tensile properties of extruded Mg-Gd-Y-Mn-Sc alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 800, 140330. | 2.6 | 34 |
| 27 | Characterization and electrocatalytic properties of electrospun Pt ₂ O nanofiber catalysts for oxygen evolution reaction. <i>International Journal of Energy Research</i> , 2021, 45, 5841-5851. | 2.2 | 7 |
| 28 | Dietary tributyrin modifies intestinal function by altering morphology, gene expression and microbiota profile in common carp (<i>Cyprinus carpio</i>) fed all-plant diets. <i>Aquaculture Nutrition</i> , 2021, 27, 439-453. | 1.1 | 20 |
| 29 | Molecular basis for cysteine oxidation by plant cysteine oxidases from <i>Arabidopsis thaliana</i> . <i>Journal of Structural Biology</i> , 2021, 213, 107663. | 1.3 | 7 |
| 30 | Waterborne uranium causes toxic effect and thyroid disruption in zebrafish larvae. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111585. | 2.9 | 9 |
| 31 | Crystal structure of the WD40 domain of human PLRG1. <i>Biochemical and Biophysical Research Communications</i> , 2021, 534, 474-477. | 1.0 | 1 |
| 32 | Mixture toxicity of thiophanate-methyl and fenvalerate to embryonic zebrafish (<i>Danio rerio</i>) and its underlying mechanism. <i>Science of the Total Environment</i> , 2021, 756, 143754. | 3.9 | 10 |
| 33 | Fifty Years of Noise Modeling and Mitigation in Power-Line Communications. <i>IEEE Communications Surveys and Tutorials</i> , 2021, 23, 41-69. | 24.8 | 23 |
| 34 | Phase Behavior during Electrochemical Cycling of Ni-Rich Cathode Materials for Li-Ion Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2003404. | 10.2 | 153 |
| 35 | Sample Dependence of Magnetism in the Next-Generation Cathode Material LiNi _{0.8} Mn _{0.1} Co _{0.1} O ₂ . <i>Inorganic Chemistry</i> , 2021, 60, 263-271. | 1.9 | 6 |
| 36 | Improving the Robustness of Trivalent Actinides/Lanthanides Separation by Bis(2,4,4-trimethylpentyl)dithiophosphinic Acid: Batch Extraction and Process Demonstration. <i>Solvent Extraction and Ion Exchange</i> , 2021, 39, 290-304. | 0.8 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | A novel frequency-labeled adaptive sparse grid collocation method for uncertainty quantification of the frequency response of general viscoelastic damping structures. <i>International Journal of Mechanical Sciences</i> , 2021, 193, 106168. | 3.6 | 1 |
| 38 | Out of the Paná€Himalaya: Evolutionary history of the Paeoniaceae revealed by phylogenomics. <i>Journal of Systematics and Evolution</i> , 2021, 59, 1170-1182. | 1.6 | 21 |
| 39 | Effects of composited organic mobilizing agents and their application periods on cadmium absorption of <i>Sorghum bicolor</i> L. in a Cd-contaminated soil. <i>Chemosphere</i> , 2021, 263, 128136. | 4.2 | 8 |
| 40 | DNA barcoding of <i>Oryza</i> : conventional, specific, and super barcodes. <i>Plant Molecular Biology</i> , 2021, 105, 215-228. | 2.0 | 29 |
| 41 | Bulk fatigue induced by surface reconstruction in layered Ni-rich cathodes for Li-ion batteries. <i>Nature Materials</i> , 2021, 20, 84-92. | 13.3 | 349 |
| 42 | Nonadiabatic molecular dynamics simulation for the ultrafast photoisomerization of dMe-OMe-NAIP based on TDDFT on-the-fly potential energy surfaces. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 5236-5243. | 1.3 | 4 |
| 43 | Cantilever-based micro thrust measurement and pressure field distribution of biomimetic robot fish actuated by macro fiber composites (MFCs) actuators. <i>Smart Materials and Structures</i> , 2021, 30, 035001. | 1.8 | 14 |
| 44 | The Design and Fabrication of the High Integrated Sensitive Electrodes by Adopting the Anodic Bonding Technology for the Electrochemical Seismic Sensors. , 2021, , . | | 5 |
| 45 | Development of Wall Modeling Framework in a High-Order Spectral Element CFD Solver Nek5000. , 2021, , . | | 1 |
| 46 | Molecular basis for arginine C-terminal degron recognition by Cul2FEM1 E3 ligase. <i>Nature Chemical Biology</i> , 2021, 17, 254-262. | 3.9 | 33 |
| 47 | Complexation and Separation of Trivalent Actinides and Lanthanides by a Novel DGA Derived from Macrocyclic Crown Ether: Synthesis, Extraction, and Spectroscopic and Density Functional Theory Studies. <i>ACS Omega</i> , 2021, 6, 2156-2166. | 1.6 | 11 |
| 48 | MEMS-Based Electrochemical Seismometer Relying on a CAC Integrated Three-Electrode Structure. <i>Sensors</i> , 2021, 21, 809. | 2.1 | 5 |
| 49 | Unfolding the Extraction and Complexation Behaviors of Trivalent f-Block Elements by a Tetradentate N,O-Hybrid Phenanthroline Derived Phosphine Oxide Ligand. <i>Inorganic Chemistry</i> , 2021, 60, 2805-2815. | 1.9 | 31 |
| 50 | CaCo _{0.05} Mn _{0.95} O ₃ [~] : A Promising Perovskite Solid Solution for Solar Thermochemical Energy Storage. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 3856-3866. | 4.0 | 34 |
| 51 | Cu(OTf) ₂ -Mediated Crossâ€Coupling of Nitriles and Nâ€Heterocycles with Arylboronic Acids to Generate Nitrilium and Pyridinium Products**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7935-7940. | 7.2 | 11 |
| 52 | Integrating a Three-Level GIS Framework and a Graph Model to Track, Represent, and Analyze the Dynamic Activities of Tidal Flats. <i>ISPRS International Journal of Geo-Information</i> , 2021, 10, 61. | 1.4 | 8 |
| 53 | Benfotiamine ameliorates highâ€carbohydrate dietâ€induced hepatic oxidative stress, inflammation and apoptosis in <i>Megalobrama amblycephala</i> . <i>Aquaculture Research</i> , 2021, 52, 3174-3185. | 0.9 | 13 |
| 54 | Cu(OTf) ₂ -Mediated Crossâ€Coupling of Nitriles and Nâ€Heterocycles with Arylboronic Acids to Generate Nitrilium and Pyridinium Products**. <i>Angewandte Chemie</i> , 2021, 133, 8014-8019. | 1.6 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Fabrication and strengthening mechanisms of magnesium matrix composites with bimodal microstructure induced by graphene nanoplatelets. <i>Journal of Materials Research</i> , 2021, 36, 764-774. | 1.2 | 9 |
| 56 | Substituent Effect on the Selective Separation and Complexation of Trivalent Americium and Lanthanides by N,O-Hybrid 2,9-Diamide-1,10-phenanthroline Ligands in Ionic Liquid. <i>Inorganic Chemistry</i> , 2021, 60, 5131-5139. | 1.9 | 17 |
| 57 | Implementation of multi-component diesel fuel surrogates and chemical kinetic mechanisms for engine combustion simulations. <i>Transportation Engineering</i> , 2021, 3, 100042. | 2.3 | 5 |
| 58 | Enhanced strength in pure Ti via design of alternating coarse- and fine-grain layers. <i>Acta Materialia</i> , 2021, 206, 116627. | 3.8 | 62 |
| 59 | Chloroplast phylogenomic insights into the evolution of <i>Distylium</i> (Hamamelidaceae). <i>BMC Genomics</i> , 2021, 22, 293. | 1.2 | 27 |
| 60 | Binary classification of floor vibrations for human activity detection based on dynamic mode decomposition. <i>Neurocomputing</i> , 2021, 432, 227-239. | 3.5 | 5 |
| 61 | EGO-Planner: An ESDF-Free Gradient-Based Local Planner for Quadrotors. <i>IEEE Robotics and Automation Letters</i> , 2021, 6, 478-485. | 3.3 | 121 |
| 62 | Large Eddy Simulation of Lean Mixed-Mode Combustion Assisted by Partial Fuel Stratification in a Spark-Ignition Engine. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2021, 143, . | 1.4 | 7 |
| 63 | Temperature Compensation of the MEMS-Based Electrochemical Seismic Sensors. <i>Micromachines</i> , 2021, 12, 387. | 1.4 | 4 |
| 64 | Effect of symmetrical 001 tilt grain boundaries on the indentation induced plastic deformations of diamond. <i>Materials and Design</i> , 2021, 202, 109549. | 3.3 | 2 |
| 65 | TGK-Planner: An Efficient Topology Guided Kinodynamic Planner for Autonomous Quadrotors. <i>IEEE Robotics and Automation Letters</i> , 2021, 6, 494-501. | 3.3 | 21 |
| 66 | A Transported Livengood-Wu Integral Model for Knock Prediction in Computational Fluid Dynamics Simulation. <i>Journal of Engineering for Gas Turbines and Power</i> , 2021, 143, . | 0.5 | 3 |
| 67 | Structural basis for RNA 3' end recognition by the PIWIL2 PAZ domain. <i>Biochemical and Biophysical Research Communications</i> , 2021, 553, 187-190. | 1.0 | 0 |
| 68 | <sc>NOVOWrap</sc>: An automated solution for plastid genome assembly and structure standardization. <i>Molecular Ecology Resources</i> , 2021, 21, 2177-2186. | 2.2 | 22 |
| 69 | Micro thrust measurement experiment and pressure field evolution of bionic robotic fish with harmonic actuation of macro fiber composites. <i>Mechanical Systems and Signal Processing</i> , 2021, 153, 107538. | 4.4 | 14 |
| 70 | Foliar application of Zn reduces Cd accumulation in grains of late rice by regulating the antioxidant system, enhancing Cd chelation onto cell wall of leaves, and inhibiting Cd translocation in rice. <i>Science of the Total Environment</i> , 2021, 770, 145302. | 3.9 | 38 |
| 71 | Agronomic traits and ionomics influence on Cd accumulation in various sorghum (<i>Sorghum bicolor</i>) Tj ETQq1 1 0.784314 rgBT /Overl | 2.9 | 10 |
| 72 | Transition Metal Dissolution and Degradation in NMC811-Graphite Electrochemical Cells. <i>Journal of the Electrochemical Society</i> , 2021, 168, 060518. | 1.3 | 42 |

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|----|---|-----|-----------|
| 73 | Fabrication and deformation behavior of a novel laminated TiAl matrix composite. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 821, 141603. | 2.6 | 10 |
| 74 | Space-, Time- and Frequency-Domain Index Modulation for Next-Generation Wireless: A Unified Single-/Multi-Carrier and Single-/Multi-RF MIMO Framework. <i>IEEE Transactions on Wireless Communications</i> , 2021, 20, 3847-3864. | 6.1 | 7 |
| 75 | Structural insights into SMCR8 C-degron recognition by FEM1B. <i>Biochemical and Biophysical Research Communications</i> , 2021, 557, 236-239. | 1.0 | 9 |
| 76 | Effects of the herbicides quizalofop-p-ethyl and quizalofop-ethyl on the physiology, oxidative damage, synthesis, and release of microcystin-LR in <i>Microcystis aeruginosa</i> . <i>Science of the Total Environment</i> , 2021, 776, 146036. | 3.9 | 14 |
| 77 | Determination of a criminal suspect using environmental plant DNA metabarcoding technology. <i>Forensic Science International</i> , 2021, 324, 110828. | 1.3 | 5 |
| 78 | Iterative Receiver Design for Polar-Coded SCMA Systems. <i>IEEE Transactions on Communications</i> , 2021, 69, 4235-4246. | 4.9 | 13 |
| 79 | High-Carbohydrate Diet Alleviates the Oxidative Stress, Inflammation and Apoptosis of <i>Megalobrama amblycephala</i> Following Dietary Exposure to Silver Nanoparticles. <i>Antioxidants</i> , 2021, 10, 1343. | 2.2 | 6 |
| 80 | Endowing 2,6-bis-triazolyl-pyridine of poor extraction with superior efficiency for actinide/lanthanide separation at high acidity by anchoring to a macrocyclic scaffold. <i>Journal of Hazardous Materials</i> , 2021, 416, 125745. | 6.5 | 15 |
| 81 | Long-term effects of biochar on trace metals accumulation in rice grain: A 7-year field experiment. <i>Agriculture, Ecosystems and Environment</i> , 2021, 315, 107446. | 2.5 | 19 |
| 82 | Constitutive BAK/MCL1 complexes predict paclitaxel and S63845 sensitivity of ovarian cancer. <i>Cell Death and Disease</i> , 2021, 12, 789. | 2.7 | 4 |
| 83 | Oxidation behavior of fully dense TiAl-based composites with a controlled laminated microstructure. <i>Journal of Materials Research and Technology</i> , 2021, 14, 262-268. | 2.6 | 0 |
| 84 | Molecular basis for PICS-mediated piRNA biogenesis and cell division. <i>Nature Communications</i> , 2021, 12, 5595. | 5.8 | 7 |
| 85 | A two-equation soot-in-flamelet modeling approach applied under Spray A conditions. <i>Combustion and Flame</i> , 2021, 231, 111488. | 2.8 | 6 |
| 86 | Effects of dietary vitamin E on growth performance, antioxidant capacity and lipid metabolism of juvenile golden pompano <i>Trachinotus ovatus</i> . <i>Aquaculture Nutrition</i> , 2021, 27, 2205-2217. | 1.1 | 6 |
| 87 | Molecular characterization of thioredoxin-interacting protein (TXNIP) from <i>Megalobrama amblycephala</i> and its potential roles in high glucose-induced inflammatory response. <i>International Journal of Biological Macromolecules</i> , 2021, 188, 460-472. | 3.6 | 6 |
| 88 | Division methods and selection principles for the ideal optical window of spectral beam splitting photovoltaic/thermal systems. <i>Energy Conversion and Management</i> , 2021, 247, 114736. | 4.4 | 13 |
| 89 | Extraction of the trivalent transplutonium actinides americium through einsteinium by the sulfur donor Cyanex 301. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 4177-4185. | 3.0 | 13 |
| 90 | Artificially Time-Varying Differential MIMO for Achieving Practical Physical Layer Security. <i>IEEE Open Journal of the Communications Society</i> , 2021, 2, 2180-2194. | 4.4 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | Development of a Low-Cost and Room-Temperature Formable Mg Alloy Sheet with In-Plane Isotropic Tensile Properties. Minerals, Metals and Materials Series, 2021, , 13-18. | 0.3 | 0 |
| 92 | Numerical Investigation of Fuel Property Effects on Mixed-Mode Combustion in a Spark-Ignition Engine. Journal of Energy Resources Technology, Transactions of the ASME, 2021, 143, . | 1.4 | 13 |
| 93 | The Spatiotemporal Characteristics and Dynamic Changes of Tidal Flats in Florida from 1984 to 2020. Geographies, 2021, 1, 292-314. | 0.6 | 5 |
| 94 | Incorporating spatial autocorrelation and settlement type segregation to improve the performance of an urban growth model. Environment and Planning B: Urban Analytics and City Science, 2020, 47, 1184-1200. | 1.0 | 2 |
| 95 | Parameter Optimization of Reduced Fluid Model via Sparse Point Measurements. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 5201-5210. | 5.9 | 7 |
| 96 | Vibration Suppression of a High-Speed Macro-Micro Integrated System Using Computational Optimal Control. IEEE Transactions on Industrial Electronics, 2020, 67, 7841-7850. | 5.2 | 13 |
| 97 | Chemical Explosive Mode Prediction using Machine Learning for Advanced Flame Diagnostics. , 2020, , . | | 0 |
| 98 | Structural basis for the recognition of RFX7 by ANKRA2 and RFXANK. Biochemical and Biophysical Research Communications, 2020, 523, 263-266. | 1.0 | 3 |
| 99 | Dietary raw starch to gelatinized starch ratios: Effects on the growth performance, digestive functions, intestinal histology and growth hormone-insulin-like growth factor axis of blunt snout bream (<i>Megalobrama amblycephala</i>). Aquaculture Research, 2020, 51, 707-718. | 0.9 | 7 |
| 100 | Transcriptional regulation of the AMP-activated protein kinase and glycolipid metabolism-related genes by insulin and glucagon in blunt snout bream (<i>Megalobrama amblycephala</i>): A comparative study. Aquaculture, 2020, 515, 734553. | 1.7 | 12 |
| 101 | Effects of dietary n-3 highly unsaturated fatty acids levels on growth, lipid metabolism and innate immunity in juvenile golden pompano (<i>Trachinotus ovatus</i>). Fish and Shellfish Immunology, 2020, 105, 177-185. | 1.6 | 23 |
| 102 | Regulation of growth, intestinal microflora composition and expression of immune-related genes by dietary supplementation of <i>Streptococcus faecalis</i> in blunt snout bream (<i>Megalobrama amblycephala</i>). Fish and Shellfish Immunology, 2020, 105, 195-202. | 1.6 | 9 |
| 103 | Time-domain Spectral Finite Element Method for Wave Propagation Analysis in Structures with Breathing Cracks. Acta Mechanica Solida Sinica, 2020, 33, 812-822. | 1.0 | 13 |
| 104 | From S^{O} to O^{S} : experimental and theoretical insights into the atmospheric degradation mechanism of dithiophosphinic acids. RSC Advances, 2020, 10, 40035-40042. | 1.7 | 1 |
| 105 | The design and synthesis of high efficiency adsorption materials for 1,3-propanediol: physical and chemical structure regulation. RSC Advances, 2020, 10, 38085-38096. | 1.7 | 7 |
| 106 | Prediction and control of surface roughness for the milling of Al/SiC metal matrix composites based on neural networks. Advances in Manufacturing, 2020, 8, 486-507. | 3.2 | 26 |
| 107 | Co_3O_4 -Catalyzed LiOH Chemistry in Li_2O Batteries. ACS Energy Letters, 2020, 5, 3681-3691. | 8.8 | 37 |
| 108 | Effect of Anode Slippage on Cathode Cutoff Potential and Degradation Mechanisms in Ni-Rich Li-Ion Batteries. Cell Reports Physical Science, 2020, 1, 100253. | 2.8 | 42 |

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|-----|--|-----|-----------|
| 109 | Near-Instantaneously Adaptive Multi-Set Space-Time Shift Keying for UAV-Aided Video Surveillance. IEEE Transactions on Vehicular Technology, 2020, 69, 12843-12856. | 3.9 | 11 |
| 110 | LOTUS domain is a novel class of G-rich and G-quadruplex RNA binding domain. Nucleic Acids Research, 2020, 48, 9262-9272. | 6.5 | 21 |
| 111 | Foliar Application of Zn-EDTA at Early Filling Stage to Increase Grain Zn and Fe, and Reduce Grain Cd, Pb and Grain Yield in Rice (<i>Oryza sativa</i> L.). Bulletin of Environmental Contamination and Toxicology, 2020, 105, 428-432. | 1.3 | 13 |
| 112 | Effects of glyphosate on microcystin-LR production and release from <i>Microcystis aeruginosa</i> at different temperatures. Environmental Science and Pollution Research, 2020, 27, 41961-41969. | 2.7 | 3 |
| 113 | Electrochemical and spectrochemical analysis of U(VI) reduction in nitric acid solutions. Journal of Electroanalytical Chemistry, 2020, 874, 114482. | 1.9 | 17 |
| 114 | Evolutionary directions of single nucleotide substitutions and structural mutations in the chloroplast genomes of the family Calycanthaceae. BMC Evolutionary Biology, 2020, 20, 96. | 3.2 | 23 |
| 115 | Fretting wear of bolted joint interfaces. Wear, 2020, 458-459, 203411. | 1.5 | 8 |
| 116 | Scalable Panoramic Wireless Video Streaming Relying on Optimal-Rate FEC-Coded Adaptive QAM. IEEE Transactions on Vehicular Technology, 2020, 69, 11206-11219. | 3.9 | 5 |
| 117 | Toxicological interactions of cadmium and four pesticides on early life stage of rare minnow (<i>Gobiocypris rarus</i>). Ecotoxicology, 2020, 29, 1453-1461. | 1.1 | 5 |
| 118 | Operando NMR of NMC811/Graphite Lithium-Ion Batteries: Structure, Dynamics, and Lithium Metal Deposition. Journal of the American Chemical Society, 2020, 142, 17447-17456. | 6.6 | 79 |
| 119 | Mixture Risk Drivers in Freshwater Sediments and Their Bioavailability Determined Using Passive Equilibrium Sampling. Environmental Science & Technology, 2020, 54, 13197-13206. | 4.6 | 17 |
| 120 | Large-Eddy Simulations and Mode Analysis of Ethylene/Air Combustion in a Non-Premixed Rotating Detonation Engine. , 2020, , . | | 9 |
| 121 | Processing, microstructure and mechanical properties of a novel mg matrix composites reinforced with urchin-like CNTs@SiCp. Diamond and Related Materials, 2020, 109, 108087. | 1.8 | 3 |
| 122 | Optimal Pilot Power Based Channel Estimation Improves the Throughput of Intelligent Reflective Surface Assisted Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 16202-16206. | 3.9 | 11 |
| 123 | Diet with a high proportion replacement of fishmeal by terrestrial compound protein displayed better farming income and environmental benefits in the carnivorous marine teleost (<i>Trachinotus ovatus</i>). Aquaculture Reports, 2020, 18, 100449. | 0.7 | 3 |
| 124 | Robust Baseline-Free Damage Localization by Using Locally Perturbed Dynamic Equilibrium and Data Fusion Technique. Sensors, 2020, 20, 5964. | 2.1 | 2 |
| 125 | Nicotinamide improves the growth performance, intermediary metabolism and glucose homeostasis of blunt snout bream (<i>Megalobrama amblycephala</i>) fed high-carbohydrate diets. Aquaculture Nutrition, 2020, 26, 1311-1328. | 1.1 | 12 |
| 126 | A fretting test apparatus for measuring friction hysteresis of bolted joints. Tribology International, 2020, 151, 106431. | 3.0 | 33 |

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|-----|--|-----|-----------|
| 127 | Catalytic Enantioselective Synthesis of Heterocyclic Vicinal Fluoroamines by Using Asymmetric Protonation: Method Development and Mechanistic Study. <i>Chemistry - A European Journal</i> , 2020, 26, 12249-12255. | 1.7 | 18 |
| 128 | Utilization of raw and gelatinized starch by blunt snout bream <i>Megalobrama amblycephala</i> as evidenced by the glycolipid metabolism, glucose tolerance and mitochondrial function. <i>Aquaculture</i> , 2020, 529, 735603. | 1.7 | 14 |
| 129 | A new approach for the determination of the Iwan density function in modeling friction contact. <i>International Journal of Mechanical Sciences</i> , 2020, 180, 105671. | 3.6 | 30 |
| 130 | A MEMS-Based Electrochemical Angular Accelerometer With Integrated Plane Electrodes for Seismic Motion Monitoring. <i>IEEE Sensors Journal</i> , 2020, 20, 10469-10475. | 2.4 | 17 |
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