

Lei Shi

List of Publications by Year in descending order

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70
papers

862
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1110
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Ni-Ni ₃ P/SiO ₂ Catalyst for Highly Selective Production of Silicon Tetrachloride via Silicon Hydrochlorination. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 5066-5079. | 3.7 | 4 |
| 2 | Morphology changes in the cochlea of impulse noise-induced hidden hearing loss. <i>Acta Oto-Laryngologica</i> , 2022, 142, 455-462. | 0.9 | 1 |
| 3 | Multiscale-Band K-Distribution Model for Molecules in High-Temperature Gases. <i>Journal of Spectroscopy</i> , 2022, 2022, 1-9. | 1.3 | 1 |
| 4 | A novel near-infrared fluorescent sensor for zero background nitrite detection via the covalent-assembly principle. <i>Food Chemistry</i> , 2021, 341, 128254. | 8.2 | 19 |
| 5 | Prediction calculations for the first criticality of the HTR-PM using the PANGU code. <i>Nuclear Science and Techniques/Hewuli</i> , 2021, 32, 1. | 3.4 | 28 |
| 6 | Robust fluorescent amphiphilic polymer micelle for drug carrier application. <i>New Journal of Chemistry</i> , 2021, 45, 9409-9415. | 2.8 | 1 |
| 7 | Unconventionally Designed Tracking Loop Adaptable to Plasma Sheath Channel for Hypersonic Vehicles. <i>Sensors</i> , 2021, 21, 21. | 3.8 | 5 |
| 8 | Highly Regioselective Difluoroalkylarylation of Butadiene through a Nickel-Catalyzed Tandem Radical Process. <i>ACS Catalysis</i> , 2021, 11, 14848-14853. | 11.2 | 12 |
| 9 | Numerical Study of the Air Ingress Accident of the HTR-PM and Possible Mitigation Measures. <i>Science and Technology of Nuclear Installations</i> , 2020, 2020, 1-11. | 0.8 | 0 |
| 10 | Novel phthalocyanine-based micelles/PNIPAM composite hydrogels: spatially/temporally controlled drug release triggered by NIR laser irradiation. <i>New Journal of Chemistry</i> , 2020, 44, 8705-8709. | 2.8 | 2 |
| 11 | Donor and acceptor engineering for BINOL based AlEgens with enhanced fluorescence performance. <i>Materials Advances</i> , 2020, 1, 61-70. | 5.4 | 3 |
| 12 | Numerical Investigation and Parametric Study on Thermal-Hydraulic Characteristics of Particle Bed Reactors for Nuclear Thermal Propulsion. <i>Nuclear Technology</i> , 2020, 206, 1155-1170. | 1.2 | 3 |
| 13 | Bio-inspired assembly in a phospholipid bilayer: effective regulation of electrostatic and hydrophobic interactions for plasma membrane specific probes. <i>Chemical Communications</i> , 2020, 56, 3661-3664. | 4.1 | 9 |
| 14 | Wireless Recharging Sensor Networks Cross-Layer Optimization Based on Successive Interference Cancellation. <i>IEICE Transactions on Communications</i> , 2020, E103.B, 929-939. | 0.7 | 1 |
| 15 | Fast Telemetry and Communication Scheme Based on Doppler Diversity Reception under Large Dynamic Doppler for Hypersonic Vehicles. <i>Electronics (Switzerland)</i> , 2019, 8, 781. | 3.1 | 2 |
| 16 | Temperature analysis of the HTR-10 after full load rejection. <i>Nuclear Science and Techniques/Hewuli</i> , 2019, 30, 1. | 3.4 | 3 |
| 17 | Analysis of the Flow Distribution in a Particle Bed Reactor for Nuclear Thermal Propulsion. <i>Energies</i> , 2019, 12, 3590. | 3.1 | 6 |
| 18 | A near-infrared water-soluble fluorescent probe for the detection of biothiols in living cells and <i>Escherichia coli</i> . <i>Analytical Methods</i> , 2019, 11, 821-826. | 2.7 | 6 |

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|----|--|------|-----------|
| 19 | EXPERIMENTAL DESIGN ON PERFORMANCE IMPROVEMENT OF THE HELIUM PURIFICATION SYSTEM OF HTR-10. The Proceedings of the International Conference on Nuclear Engineering (ICONE), 2019, 2019.27, 1581. | 0.0 | 0 |
| 20 | FUELING RPS WITH MEDIUM AND MEDIUM HEAVY METAL ISOTOPES FROM FRESH SPENT NUCLEAR FUEL OF LWR. The Proceedings of the International Conference on Nuclear Engineering (ICONE), 2019, 2019.27, 1977. | 0.0 | 0 |
| 21 | Oncoprotein Tudor-SN is a key determinant providing survival advantage under DNA damaging stress. Cell Death and Differentiation, 2018, 25, 1625-1637. | 11.2 | 23 |
| 22 | Research on MMPA Algorithm for Solving Detailed Depletion Chain With the NUIT Code. Journal of Nuclear Engineering and Radiation Science, 2018, 4, . | 0.4 | 1 |
| 23 | Selective Cleavage of Inert Aryl C-N Bonds in <i>N</i> -Aryl Amides. Journal of Organic Chemistry, 2018, 83, 1369-1376. | 3.2 | 31 |
| 24 | No association of GRIN2A polymorphisms with the major depressive disorder in the Chinese Han origin. Psychiatric Genetics, 2018, 28, 120-121. | 1.1 | 2 |
| 25 | Novel easily available purine-based AIEgens with colour tunability and applications in lipid droplet imaging. Chemical Science, 2018, 9, 8969-8974. | 7.4 | 75 |
| 26 | Characterizing thermal-oxidation behaviors of nuclear graphite by combining O ₂ supply and micro surface area of graphite. Scientific Reports, 2018, 8, 13400. | 3.3 | 11 |
| 27 | Numerical Investigation of Convective Heat Transfer to Supercritical Pressure Hydrogen in a Straight Tube. Journal of Nuclear Engineering and Radiation Science, 2018, 4, . | 0.4 | 6 |
| 28 | BINOL derivatives with aggression-induced emission. Journal of Materials Chemistry B, 2018, 6, 4413-4416. | 5.8 | 14 |
| 29 | Study on the DLOFC and PLOFC accidents of the 200 MWe pebble-bed modular high temperature gas-cooled reactor with TINTE and SPECTRA codes. Annals of Nuclear Energy, 2018, 120, 763-777. | 1.8 | 21 |
| 30 | N-Heterocyclic Carbene-Catalyzed α,β -Unsaturated Aldehydes Umpolung in Fullerene Chemistry: Construction of [60]Fullerene-Fused Cyclopentan-1-ones and Cyclohex-2-en-1-ones. Organic Letters, 2018, 20, 4801-4805. | 4.6 | 36 |
| 31 | Semi-synthesis of murine prion protein by native chemical ligation and chemical activation for preparation of polypeptide-thioester. Journal of Peptide Science, 2017, 23, 438-444. | 1.4 | 8 |
| 32 | Chitosan nanoparticles based nanovaccines for cancer immunotherapy. Pure and Applied Chemistry, 2017, 89, 931-939. | 1.9 | 21 |
| 33 | The influence of nuclear graphite oxidation on air ingress accident of HTR-PM. Annals of Nuclear Energy, 2017, 110, 1242-1248. | 1.8 | 13 |
| 34 | Development and Application of an Engineering Simulator for HTR-PM Using THERMIX/BLAST and vPower. Nuclear Technology, 2017, 200, 27-44. | 1.2 | 0 |
| 35 | Effects of reaction temperature and inlet oxidizing gas flow rate on IG-110 graphite oxidation used in HTR-PM. Journal of Nuclear Science and Technology, 2017, 54, 196-204. | 1.3 | 19 |
| 36 | Analysis of Precooling Injection Transient of Steam Generator for High Temperature Gas Cooled Reactor. Science and Technology of Nuclear Installations, 2017, 2017, 1-8. | 0.8 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Unbalance Compensation of a Full Scale Test Rig Designed for HTR-10GT: A Frequency-Domain Approach Based on Iterative Learning Control. <i>Science and Technology of Nuclear Installations</i> , 2017, 2017, 1-15. | 0.8 | 6 |
| 38 | Entropy Generation Analysis and Performance Evaluation of Turbulent Forced Convective Heat Transfer to Nanofluids. <i>Entropy</i> , 2017, 19, 108. | 2.2 | 49 |
| 39 | Iodine-mediated synthesis of 3-acylbenzothiadiazine 1,1-dioxides. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 1072-1078. | 2.2 | 6 |
| 40 | Nonuniform Oxidation on the Surface of Fuel Element in HTR. <i>Science and Technology of Nuclear Installations</i> , 2016, 2016, 1-9. | 0.8 | 0 |
| 41 | Oxidation Analyses of Massive Air Ingress Accident of HTR-PM. <i>Science and Technology of Nuclear Installations</i> , 2016, 2016, 1-9. | 0.8 | 4 |
| 42 | Synthetic MUC1 Antitumor Vaccine Candidates with Varied Glycosylation Pattern Bearing α -configured Pam ₃ CysSerLys ₄ . <i>ChemBioChem</i> , 2016, 17, 1412-1415. | 2.6 | 13 |
| 43 | Synthesis of C ₆₀ -Fused Tetrahydrocarbazole/Dibenzothiophene/Benzothiophene and Dibenzofuran Derivatives via Metal-Free Oxidative Dehydrogenative Carboannulation. <i>Organic Letters</i> , 2016, 18, 4044-4047. | 4.6 | 20 |
| 44 | Metal-Free Oxidative Radical Alkynylation/Ring Expansion Rearrangement of Alkenyl Cyclobutanols with Ethynylbenziodoxolones. <i>Organic Letters</i> , 2016, 18, 4024-4027. | 4.6 | 21 |
| 45 | Study on air ingress of the 200 MWe pebble-bed modular high temperature gas-cooled reactor. <i>Annals of Nuclear Energy</i> , 2016, 98, 120-131. | 1.8 | 14 |
| 46 | Copper(I) catalyzed C(sp ²)–N bond formation: synthesis of pyrrolo[3,2-c]quinolinone derivatives. <i>Organic Chemistry Frontiers</i> , 2016, 3, 344-348. | 4.5 | 14 |
| 47 | ICONE23-1865 NUMERICAL SIMULATION OF HOT GAS MIXING WITH LEAKAGE FLOW AT HTR-PM REACTOR CORE OUTLET. <i>The Proceedings of the International Conference on Nuclear Engineering (ICONE)</i> , 2015, 2015.23, _ICONE23-1-_ICONE23-1. | 0.0 | 0 |
| 48 | ICONE23-1057 PARAMETRIC STUDIES ON THERMAL CYCLE OF HTGR WITH HE-CO ₂ MIXED WORKING MEDIUM. <i>The Proceedings of the International Conference on Nuclear Engineering (ICONE)</i> , 2015, 2015.23, _ICONE23-1-_ICONE23-1. | 0.0 | 0 |
| 49 | Combination of FACS and Homologous Recombination for the Generation of Stable and High-Expression Engineered Cell Lines. <i>PLoS ONE</i> , 2014, 9, e91712. | 2.5 | 5 |
| 50 | Putative RhoGAP proteins orchestrate vegetative growth, conidiogenesis and pathogenicity of the rice blast fungus <i>Magnaporthe oryzae</i> . <i>Fungal Genetics and Biology</i> , 2014, 67, 37-50. | 2.1 | 17 |
| 51 | CH ₂ Cl ₂ as reagent in the synthesis of methylene-bridged 3,3'-bis(oxazolidin-2-one) derivatives under ambient conditions. <i>RSC Advances</i> , 2014, 4, 25933. | 3.6 | 6 |
| 52 | The photoconversion of gamma-hexachlorocyclohexane under UV irradiation in water, snow and ice. <i>Water Science and Technology</i> , 2013, 68, 2479-2484. | 2.5 | 5 |
| 53 | Fault diagnosis system based on Dynamic Fault Tree Analysis of power transformer. , 2012, , . | | 3 |
| 54 | Research on life cycle management of nuclear power plant equipment based on economic analysis. , 2012, , . | | 0 |

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|----|--|-----|-----------|
| 55 | Selective reduction of aldehydes and ketones to alcohols with ammonia borane in neat water. Green Chemistry, 2012, 14, 1372. | 9.0 | 87 |
| 56 | Gridding aeromagnetic data using inverse interpolation. , 2011, , . | | 1 |
| 57 | Synthesis of Tn/T Antigen MUC1 Glycopeptide BSA Conjugates and Their Evaluation as Vaccines. European Journal of Organic Chemistry, 2011, 2011, 3685-3689. | 2.4 | 45 |
| 58 | Porous groundwater optimal pumping based on GIS: A case study in Su Xi Chang area, China. , 2011, , . | | 0 |
| 59 | Optimization of multi-product batch plant design under uncertainty with environmental considerations. Clean Technologies and Environmental Policy, 2010, 12, 273-282. | 4.1 | 12 |
| 60 | A method for gravity anomaly separation based on preferential continuation and its application. Applied Geophysics, 2009, 6, 217-225. | 0.6 | 19 |
| 61 | Thermohydraulic transient studies of the Chinese 200MWe HTR-PM for loss of forced cooling accidents. Annals of Nuclear Energy, 2009, 36, 742-751. | 1.8 | 50 |
| 62 | Benchmark Calculation for the Steady-State Temperature Distribution of the HTR-10 under Full-Power Operation. Journal of Nuclear Science and Technology, 2009, 46, 572-580. | 1.3 | 20 |
| 63 | Application of Integrative Geophysical Methods To Predicting Sedimentary Facies of Marine Residual Basins in Middle Guangxi Province, China. Chinese Journal of Geophysics, 2009, 52, 1120-1129. | 0.2 | 2 |
| 64 | 3D Correlation Imaging for Gravity and Gravity Gradiometry Data. Chinese Journal of Geophysics, 2009, 52, 501-510. | 0.2 | 8 |
| 65 | Benchmark Calculation for the Steady-State Temperature Distribution of the HTR-10 under Full-Power Operation. Journal of Nuclear Science and Technology, 2009, 46, 572-580. | 1.3 | 1 |
| 66 | ICONE15-10491 CONTROL STUDY ON A FLEXIBLE ROTOR-AMB TEST RIG FOR THE HTR-10GT. The Proceedings of the International Conference on Nuclear Engineering (ICONE), 2007, 2007.15, _ICONE1510-_ICONE1510. | 0.0 | 0 |
| 67 | Preparation and properties of alumina composites modified by electric field-induced alignment of carbon nanotubes. Applied Physics A: Materials Science and Processing, 2007, 89, 761-767. | 2.3 | 23 |
| 68 | A Personal Computer-Based Simulation-and-Control-Integrated Platform for 10-MW High-Temperature Gas-Cooled Reactor. Nuclear Technology, 2004, 145, 189-203. | 1.2 | 7 |
| 69 | ICONE11-36622 PRELIMINARY DESIGN OF THE POWER CONVERSION UNIT WITH DIRECT GAS-TURBINE CYCLE FOR THE HTR-10. The Proceedings of the International Conference on Nuclear Engineering (ICONE), 2003, 2003, 211. | 0.0 | 1 |
| 70 | Shannon entropy characteristics of two-phase flow systems. Journal of Applied Physics, 1999, 85, 7544-7551. | 2.5 | 16 |