

Lei Shi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/317705/publications.pdf>

Version: 2024-02-01

70
papers

862
citations

430874

18
h-index

526287

27
g-index

70
all docs

70
docs citations

70
times ranked

1110
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective reduction of aldehydes and ketones to alcohols with ammonia borane in neat water. <i>Green Chemistry</i> , 2012, 14, 1372.	9.0	87
2	Novel easily available purine-based AIEgens with colour tunability and applications in lipid droplet imaging. <i>Chemical Science</i> , 2018, 9, 8969-8974.	7.4	75
3	Thermohydraulic transient studies of the Chinese 200MWe HTR-PM for loss of forced cooling accidents. <i>Annals of Nuclear Energy</i> , 2009, 36, 742-751.	1.8	50
4	Entropy Generation Analysis and Performance Evaluation of Turbulent Forced Convective Heat Transfer to Nanofluids. <i>Entropy</i> , 2017, 19, 108.	2.2	49
5	Synthesis of Tn/T Antigen MUC1 Glycopeptide BSA Conjugates and Their Evaluation as Vaccines. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 3685-3689.	2.4	45
6	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. <i>Organic Letters</i> , 2018, 20, 4801-4805.	4.6	36
7	Selective Cleavage of Inert Aryl C-N Bonds in <i>N</i> -Aryl Amides. <i>Journal of Organic Chemistry</i> , 2018, 83, 1369-1376.	3.2	31
8	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
9	Preparation and properties of alumina composites modified by electric field-induced alignment of carbon nanotubes. <i>Applied Physics A: Materials Science and Processing</i> , 2007, 89, 761-767.	2.3	23
10	Oncoprotein Tudor-SN is a key determinant providing survival advantage under DNA damaging stress. <i>Cell Death and Differentiation</i> , 2018, 25, 1625-1637.	11.2	23
11	Metal-Free Oxidative Radical Alkynylation/Ring Expansion Rearrangement of Alkenyl Cyclobutanols with Ethynylbenziodoxolones. <i>Organic Letters</i> , 2016, 18, 4024-4027.	4.6	21
12	Chitosan nanoparticles based nanovaccines for cancer immunotherapy. <i>Pure and Applied Chemistry</i> , 2017, 89, 931-939.	1.9	21
13	Study on the DLOFC and PLOFC accidents of the 200 MWe pebble-bed modular high temperature gas-cooled reactor with TINTE and SPECTRA codes. <i>Annals of Nuclear Energy</i> , 2018, 120, 763-777.	1.8	21
14	Benchmark Calculation for the Steady-State Temperature Distribution of the HTR-10 under Full-Power Operation. <i>Journal of Nuclear Science and Technology</i> , 2009, 46, 572-580.	1.3	20
15	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
16	A method for gravity anomaly separation based on preferential continuation and its application. <i>Applied Geophysics</i> , 2009, 6, 217-225.	0.6	19
17	Effects of reaction temperature and inlet oxidizing gas flow rate on IG-110 graphite oxidation used in HTR-PM. <i>Journal of Nuclear Science and Technology</i> , 2017, 54, 196-204.	1.3	19
18	A novel near-infrared fluorescent sensor for zero background nitrite detection via the π -covalent-assembly principle. <i>Food Chemistry</i> , 2021, 341, 128254.	8.2	19

#	ARTICLE	IF	CITATIONS
19	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
20	Shannon entropy characteristics of two-phase flow systems. <i>Journal of Applied Physics</i> , 1999, 85, 7544-7551.	2.5	16
21	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
22	Copper(<i>sc</i>) catalyzed C(sp ²)–N bond formation: synthesis of pyrrolo[3,2- <i>c</i>]quinolinone derivatives. <i>Organic Chemistry Frontiers</i> , 2016, 3, 344-348.	4.5	14
23	BINOL derivatives with aggression-induced emission. <i>Journal of Materials Chemistry B</i> , 2018, 6, 4413-4416.	5.8	14
24	Synthetic MUC1 Antitumor Vaccine Candidates with Varied Glycosylation Pattern Bearing <i>R/S</i> -configured Pam ₃ CysSerLys ₄ . <i>ChemBioChem</i> , 2016, 17, 1412-1415.	2.6	13
25	The influence of nuclear graphite oxidation on air ingress accident of HTR-PM. <i>Annals of Nuclear Energy</i> , 2017, 110, 1242-1248.	1.8	13
26	Optimization of multi-product batch plant design under uncertainty with environmental considerations. <i>Clean Technologies and Environmental Policy</i> , 2010, 12, 273-282.	4.1	12
27	Highly Regioselective Difluoroalkylation of Butadiene through a Nickel-Catalyzed Tandem Radical Process. <i>ACS Catalysis</i> , 2021, 11, 14848-14853.	11.2	12
28	Characterizing thermal-oxidation behaviors of nuclear graphite by combining O ₂ supply and micro surface area of graphite. <i>Scientific Reports</i> , 2018, 8, 13400.	3.3	11
29	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
30	3D Correlation Imaging for Gravity and Gravity Gradiometry Data. <i>Chinese Journal of Geophysics</i> , 2009, 52, 501-510.	0.2	8
31	Semi-synthesis of murine prion protein by native chemical ligation and chemical activation for preparation of polypeptide± thioester. <i>Journal of Peptide Science</i> , 2017, 23, 438-444.	1.4	8
32	A Personal Computer-Based Simulation-and-Control-Integrated Platform for 10-MW High-Temperature Gas-Cooled Reactor. <i>Nuclear Technology</i> , 2004, 145, 189-203.	1.2	7
33	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
34	Iodine-mediated synthesis of 3-acylbenzothiadiazine 1,1-dioxides. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 1072-1078.	2.2	6
35	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
36	Numerical Investigation of Convective Heat Transfer to Supercritical Pressure Hydrogen in a Straight Tube. <i>Journal of Nuclear Engineering and Radiation Science</i> , 2018, 4, .	0.4	6

#	ARTICLE	IF	CITATIONS
37	Analysis of the Flow Distribution in a Particle Bed Reactor for Nuclear Thermal Propulsion. <i>Energies</i> , 2019, 12, 3590.	3.1	6
38	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
39	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
40	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
41	Unconventionally Designed Tracking Loop Adaptable to Plasma Sheath Channel for Hypersonic Vehicles. <i>Sensors</i> , 2021, 21, 21.	3.8	5
42	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
43	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
44	Fault diagnosis system based on Dynamic Fault Tree Analysis of power transformer. , 2012, , .		3
45	Temperature analysis of the HTR-10 after full load rejection. <i>Nuclear Science and Techniques/Hewuli</i> , 2019, 30, 1.	3.4	3
46	Donor and acceptor engineering for BINOL based AIEgens with enhanced fluorescence performance. <i>Materials Advances</i> , 2020, 1, 61-70.	5.4	3
47	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
48	Application of Integrative Geophysical Methods To Predicting Sedimentary Facies of Marine Residual Basins in Middle Guangxi Province, China. <i>Chinese Journal of Geophysics</i> , 2009, 52, 1120-1129.	0.2	2
49	No association of GRIN2A polymorphisms with the major depressive disorder in the Chinese Han origin. <i>Psychiatric Genetics</i> , 2018, 28, 120-121.	1.1	2
50	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
51	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
52	Gridding aeromagnetic data using inverse interpolation. , 2011, , .		1
53	Research on MMPA Algorithm for Solving Detailed Depletion Chain With the NUIT Code. <i>Journal of Nuclear Engineering and Radiation Science</i> , 2018, 4, .	0.4	1
54	Robust fluorescent amphiphilic polymer micelle for drug carrier application. <i>New Journal of Chemistry</i> , 2021, 45, 9409-9415.	2.8	1

#	ARTICLE	IF	CITATIONS
55	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
56	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
57	Wireless Recharging Sensor Networks Cross-Layer Optimization Based on Successive Interference Cancellation. IEICE Transactions on Communications, 2020, E103.B, 929-939.	0.7	1
58	Morphology changes in the cochlea of impulse noise-induced hidden hearing loss. Acta Oto-Laryngologica, 2022, 142, 455-462.	0.9	1
59	Multiscale-Band K-Distribution Model for Molecules in High-Temperature Gases. Journal of Spectroscopy, 2022, 2022, 1-9.	1.3	1
60	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
61	Porous groundwater optimal pumping based on GIS: A case study in Su Xi Chang area, China. , 2011, , .		0
62	Research on life cycle management of nuclear power plant equipment based on economic analysis. , 2012, , .		0
63	Nonuniform Oxidation on the Surface of Fuel Element in HTR. Science and Technology of Nuclear Installations, 2016, 2016, 1-9.	0.8	0
64	Development and Application of an Engineering Simulator for HTR-PM Using THERMIX/BLAST and vPower. Nuclear Technology, 2017, 200, 27-44.	1.2	0
65	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
66	Numerical Study of the Air Ingress Accident of the HTR-PM and Possible Mitigation Measures. Science and Technology of Nuclear Installations, 2020, 2020, 1-11.	0.8	0
67	ICONE23-1865 NUMERICAL SIMULATION OF HOT GAS MIXING WITH LEAKAGE FLOW AT HTR-PM REACTOR CORE OUTLET. The Proceedings of the International Conference on Nuclear Engineering (ICONE), 2015, 2015.23, _ICONE23-1-_ICONE23-1.	0.0	0
68	ICONE23-1057 PARAMETRIC STUDIES ON THERMAL CYCLE OF HTGR WITH HE-CO ₂ MIXED WORKING MEDIUM. The Proceedings of the International Conference on Nuclear Engineering (ICONE), 2015, 2015.23, _ICONE23-1-_ICONE23-1.	0.0	0
69	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
70	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