

Wei Shi

List of Publications by Year in descending order

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77
papers

2,057
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331670

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2560
citing authors

#	ARTICLE	IF	CITATIONS
1	Methicillin-Resistant Staphylococcus Aureus (MRSA) Pyruvate Kinase (PK) Inhibitors and their Antimicrobial Activities. <i>Current Medicinal Chemistry</i> , 2022, 29, 908-923.	2.4	1
2	Ultralow-cost portable device for cesium detection via perovskite fluorescence. <i>Journal of Hazardous Materials</i> , 2022, 425, 127981.	12.4	14
3	Design, synthesis, and antitumor activity evaluation of novel acyl sulfonamide spirodienones. <i>Bioorganic and Medicinal Chemistry</i> , 2022, 60, 116626.	3.0	10
4	Virtual Reality Assisted General Education of Nuclear Chemistry and Radiochemistry. <i>Journal of Chemical Education</i> , 2022, 99, 777-786.	2.3	6
5	Selective synthesis and reactivity expansion of $\hat{1}\pm, \hat{1}^2$ -unsaturated geminal diazides. <i>Organic Chemistry Frontiers</i> , 2022, 9, 2116-2120.	4.5	3
6	Research Progress in Antineoplastic, Antibacterial, and Anti-inflammatory Activities of Seven-membered Heterocyclic Derivatives. <i>Current Medicinal Chemistry</i> , 2022, 29, 5076-5096.	2.4	4
7	Self-Healable, Malleable, and Flexible Ionic Polyimine as an Environmental Sensor for Portable Exogenous Pollutant Detection. , 2022, 4, 136-144.		30
8	Design, synthesis, and evaluation of a novel series of mono-indolylbenzoquinones derivatives for the potential treatment of breast cancer. <i>European Journal of Medicinal Chemistry</i> , 2022, 237, 114375.	5.5	3
9	Ultrasound-Responsive Ionic Liquid for Selective Phase Transition Extraction of Zr(IV) Ions. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 9053-9065.	6.7	5
10	Synthesis and anticancer activity evaluation of naphthalene-substituted triazole spirodienones. <i>European Journal of Medicinal Chemistry</i> , 2021, 213, 113039.	5.5	15
11	Enhanced Solubility and Antitumor Activity of Curcumin via Breaking and Rebuilding of the Hydrogen Bond. <i>ACS Applied Bio Materials</i> , 2021, 4, 918-927.	4.6	16
12	Highly active alkyne metathesis catalysts operating under open air condition. <i>Nature Communications</i> , 2021, 12, 1136.	12.8	28
13	Materials-Genome Approach to Energetic Materials. <i>Accounts of Materials Research</i> , 2021, 2, 692-696.	11.7	22
14	Advances in research of spirodienone and its derivatives: Biological activities and synthesis methods. <i>European Journal of Medicinal Chemistry</i> , 2020, 203, 112577.	5.5	23
15	Design, Synthesis, and Antitumor Activity of a Series of Novel 4-(Aromatic) Tj ETQq1 1 0.784314 rgBT /Overlock 10,Tf 50 182,Td (Sulfon	3.8	2
16	Designing high-performance hypergolic propellants based on materials genome. <i>Science Advances</i> , 2020, 6, .	10.3	43
17	Desymmetrized Vertex Design toward a Molecular Cage with Unusual Topology. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20846-20851.	13.8	44
18	Desymmetrized Vertex Design toward a Molecular Cage with Unusual Topology. <i>Angewandte Chemie</i> , 2020, 132, 21032-21037.	2.0	7

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19	Anomalous Melting Point of Multicharge Ionic Liquids: Structural, Electrostatic, and Orbital Properties of [Ln(NO ₃) ₆] ³⁺ (Ln = Ce, Pr) Anions. <i>Inorganic Chemistry</i> , 2020, 59, 13700-13708.	4.0	7
20	Development of a bioavailable boron-containing PI-103 Bioisostere, PI-103BE. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127258.	2.2	11
21	Bio-Based Antimicrobial Ionic Materials Fully Composed of Natural Products for Elevated Air Purification. <i>Advanced Sustainable Systems</i> , 2020, 4, 2000046.	5.3	10
22	One-Pot Synthesis of Seven-Membered Heterocyclic Derivatives of Diazepines Involving Copper-Catalyzed Rearrangement Cascade Allyl-Amination. <i>Journal of Organic Chemistry</i> , 2020, 85, 5146-5157.	3.2	10
23	Super impact stable TATB explosives recrystallized by bicarbonate ionic liquids with a record solubility. <i>Scientific Reports</i> , 2020, 10, 4477.	3.3	23
24	Self-Assembled Biomimetic Capsules for Self-Preservation. <i>Small</i> , 2020, 16, e2000930.	10.0	9
25	High-performance particulate matter including nanoscale particle removal by a self-powered air filter. <i>Nature Communications</i> , 2020, 11, 1653.	12.8	108
26	Novel synthesis of divergent aryl imidazoles from ketones involving copper-catalyzed α -amination and oxidative C-C bond cleavage. <i>RSC Advances</i> , 2020, 10, 13815-13819.	3.6	8
27	Is it Always Chemical When Amino Groups Come Across CO ₂ ? Anion-Anion-Interaction-Induced Inhibition of Chemical Adsorption. <i>Journal of Physical Chemistry B</i> , 2019, 123, 6536-6542.	2.6	17
28	Preparation of Imidazole Derivatives via Bisfunctionalization of Alkynes Catalyzed by Ruthenium Carbonyl. <i>Synthesis</i> , 2019, 51, 3520-3528.	2.3	9
29	Hydrogen-Bonding-Driven Ion-Pair Formation in Protic Ionic Liquid Aqueous Solution. <i>ChemPhysChem</i> , 2019, 20, 3259-3268.	2.1	7
30	Deciphering the regulatory and catalytic mechanisms of an unusual SAM-dependent enzyme. <i>Signal Transduction and Targeted Therapy</i> , 2019, 4, 17.	17.1	11
31	Biocompatible Ionic Liquid Based on Curcumin as Fluorescence Probe for Detecting Benzoyl Peroxide without the Interference of H ₂ O ₂ . <i>Analytical Chemistry</i> , 2019, 91, 6593-6599.	6.5	33
32	Synthesis and Antitumor Activity of a Series of Novel 1-Oxa-4-azaspiro[4,5]deca-6,9-diene-3,8-dione Derivatives. <i>Molecules</i> , 2019, 24, 936.	3.8	1
33	Handy fluorescent paper device based on a curcumin derivative for ultrafast detection of peroxide-based explosives. <i>Chemical Communications</i> , 2019, 55, 13661-13664.	4.1	27
34	Self-assembled ionic nanofibers derived from amino acids for high-performance particulate matter removal. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4619-4625.	10.3	40
35	Particulate Matter Adsorbents: Renewable Lanthanide Ionic Liquid/Polymer Composites for High-Efficient Adsorption of Particulate Matter (<i>Adv. Mater. Interfaces</i> 1/2018). <i>Advanced Materials Interfaces</i> , 2018, 5, 1870002.	3.7	1
36	Renewable Lanthanide Ionic Liquid/Polymer Composites for High-Efficient Adsorption of Particulate Matter. <i>Advanced Materials Interfaces</i> , 2018, 5, 1700448.	3.7	16

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37	Synthesis of Isoxazolines and Isoxazoles via Metal-Free Desulfitative Cyclization. <i>Synthesis</i> , 2018, 50, 2385-2393.	2.3	2
38	Fluorescigenic Magnetofluids Based on Gadolinium, Terbium, and Dysprosium-Containing Imidazolium Salts. <i>Inorganic Chemistry</i> , 2018, 57, 6376-6390.	4.0	13
39	Viscosity, Conductivity, and Electrochemical Property of Dicyanamide Ionic Liquids. <i>Frontiers in Chemistry</i> , 2018, 6, 59.	3.6	104
40	Copper salt-catalyzed formation of a novel series of triazole-spirodienone conjugates with potent anticancer activity. <i>RSC Advances</i> , 2017, 7, 9412-9416.	3.6	15
41	Insensitive ionic bio-energetic materials derived from amino acids. <i>Scientific Reports</i> , 2017, 7, 12744.	3.3	7
42	Facile synthesis of unsymmetrical N-aryl-2,2-di(1H-indol-3-yl) acetamide derivatives. <i>Chemical Research in Chinese Universities</i> , 2016, 32, 959-966.	2.6	0
43	Tunable luminescence of lanthanide (Ln = Sm, Eu, Tb) hydrophilic ionic polymers based on poly(N-methyl-4-vinylpyridinium-co-styrene) cations. <i>Polymer Chemistry</i> , 2016, 7, 7068-7077.	3.9	12
44	Structures and Properties of Luminescent Pentanitratoeuropate(III) Ionic Liquids. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 542-551.	2.0	17
45	Synthesis, structure and near-infrared photoluminescence of hexanitratoneodymate ionic liquids. <i>Dalton Transactions</i> , 2015, 44, 2325-2332.	3.3	21
46	Synthesis and anticancer activity of diamine platinum(II) complexes with 3-oxo-cyclobutane-1,1-dicarboxylate as the leaving group. <i>Research on Chemical Intermediates</i> , 2015, 41, 8725-8733.	2.7	7
47	Insensitive energetic 5-nitroaminotetrazolate ionic liquids. <i>RSC Advances</i> , 2015, 5, 54527-54534.	3.6	6
48	Synthesis of 5-iodo-1,3,4-oxazineones Through a [3+3] Reaction of Amides and Propiolates Induced by N-iodosuccinimide (NIS) and Cu(CF ₃ SO ₃) ₂ . <i>European Journal of Organic Chemistry</i> , 2015, 2015, 2585-2589.	2.4	6
49	Brønsted acidity of bio-protic ionic liquids: the acidic scale of [AA]X amino acid ionic liquids. <i>Green Chemistry</i> , 2015, 17, 5154-5163.	9.0	49
50	Electrochemical and Thermodynamic Properties of Ln(III) (Ln = Eu, Sm, Dy, Nd) in 1-Butyl-3-Methylimidazolium Bromide Ionic Liquid. <i>PLoS ONE</i> , 2014, 9, e95832.	2.5	14
51	Manipulating surface ligands of Copper Sulfide nanocrystals: Synthesis, characterization, and application to organic solar cells. <i>Journal of Colloid and Interface Science</i> , 2014, 419, 142-147.	9.4	44
52	Aqueous-phase selective hydrogenation of phenol to cyclohexanone over soluble Pd nanoparticles. <i>Green Chemistry</i> , 2014, 16, 2664-2669.	9.0	95
53	A mild and efficient amidation of cyclic ethers catalyzed by rhodium caprylate. <i>Tetrahedron</i> , 2014, 70, 8155-8160.	1.9	7
54	Nitrogen-Rich Energetic Ionic Liquids Based on the N-Bis(1H-tetrazol-5-yl)amine Anion Syntheses, Structures, and Properties. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 5009-5019.	2.0	25

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55	Theoretical Enthalpies of Formation of [AA]X and [AAE]X Type Amino Acid Ionic Liquids. Journal of Chemical & Engineering Data, 2013, 58, 1176-1185.	1.9	11
56	Impact insensitive dinitromethanide salts. Chemical Communications, 2013, 49, 10329.	4.1	26
57	High yield of ethyl valerate from the esterification of renewable valeric acid catalyzed by amino acid ionic liquids. RSC Advances, 2013, 3, 4806.	3.6	49
58	Synthesis of Aroylguanidines by an Unexpected Demethylation-Addition Cascade. Synthesis, 2013, 45, 2533-2544.	2.3	7
59	Synthesis of 2,5-Disubstituted Oxazoles and Oxazolines Catalyzed by Ruthenium(II) Porphyrin and Simple Copper Salts. Journal of Organic Chemistry, 2012, 77, 4271-4277.	3.2	74
60	Synthesis, Structure and Property of 5-aminotetrazolate Room-Temperature Ionic Liquids. European Journal of Inorganic Chemistry, 2012, 2012, 3070-3078.	2.0	27
61	Preparation of α -Sulfonylketone Oximes from Oxidized Hydroxylamine. European Journal of Organic Chemistry, 2012, 2012, 2711-2714.	2.4	16
62	Sulfur-Nitrogen and Carbon-Nitrogen Bond Formation by Intermolecular Imination and Amidation without Catalyst. European Journal of Organic Chemistry, 2012, 2012, 1554-1562.	2.4	17
63	Liquid Dinitromethanide Salts. Inorganic Chemistry, 2011, 50, 679-685.	4.0	34
64	Automatic Emotion Recognition in Speech Signal Using Teager Energy Operator and MFCC Features. , 2011, , 2315-2319.		0
65	Effect of $\text{CoFe}_{2}\text{O}_{4}$ Content on the Dielectric and Magnetoelectric Properties in $\text{CoFe}_{2}\text{O}_{4}/\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})_{0.35}\text{Ti}_{0.65}\text{O}_{3}$ Composites. Ferroelectrics, 2010, 410, 82-87.	0.6	7
66	Efficient Acylation and One-Pot Synthesis of Dehydroandrographolide Succinate on a Large Scale Assisted with Microwave Radiation. Synthetic Communications, 2009, 39, 3444-3452.	2.1	2
67	Catalyzed Imidation of Tertiary Amines by Simple Copper Salts. European Journal of Organic Chemistry, 2009, 2009, 2059-2062.	2.4	37
68	Lithium Chloride-Assisted Selective Hydrolysis of Methyl Esters Under Microwave Irradiation. Synthetic Communications, 2009, 39, 3459-3470.	2.1	15
69	Effect of Y-doping on the piezoelectric properties of $(1-x)\text{BiScO}_{3}-x\text{PbTiO}_{3}$ high-temperature piezoelectric ceramics. , 2009, , .		1
70	α -Amidation of Cyclic Ethers Catalyzed by Simple Copper Salt and a Mild and Efficient Preparation Method for α -Amino Alcohols. Organic Letters, 2007, 9, 2277-2280.	4.6	81
71	Essential work of fracture evaluation of fracture behavior of glass bead filled linear low-density polyethylene. Journal of Applied Polymer Science, 2006, 99, 1781-1787.	2.6	21
72	Essential work of fracture of glass bead filled low density polyethylene. Journal of Materials Science, 2005, 40, 5323-5326.	3.7	12

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73	Review on auxetic materials. Journal of Materials Science, 2004, 39, 3269-3279.	3.7	448
74	Stress-induced crystallization of biaxially oriented polypropylene. Journal of Applied Polymer Science, 2003, 89, 686-690.	2.6	13
75	Design of antineoplastic agents based on the '2-phenylnaphthalene-type' structural patternâ€™ synthesis and biological activity studies of 11H-indolo[3.2-c]quinoline derivatives. European Journal of Medicinal Chemistry, 2003, 38, 101-107.	5.5	64
76	Microwave Assisted Synthesis of Melatonin. Synthetic Communications, 2003, 33, 741-747.	2.1	20
77	Rh-Catalyzed oxidation and trifluoroethoxylation of N-aryl-pyrrolidin-2-ones: a domino approach for the synthesis of N-aryl-5-(2,2,2-trifluoroethoxy)-1,5-dihydro-2H-pyrrol-2-ones. Organic Chemistry Frontiers, 0, , .	4.5	7