

Yingjie Zhang

List of Publications by Year in descending order

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89
papers

1,624
citations

257450

24
h-index

395702

33
g-index

89
all docs

89
docs citations

89
times ranked

1221
citing authors

#	ARTICLE	IF	CITATIONS
1	Sodium zirconium phosphate-based glass-ceramics as potential wasteforms for the immobilization of nuclear wastes. <i>Journal of the American Ceramic Society</i> , 2022, 105, 901-912.	3.8	9
2	Synthesis and characterization of a uranium oxide hydrate framework with Sr ions: structural insights and mixed uranium valences. <i>New Journal of Chemistry</i> , 2022, 46, 1371-1380.	2.8	6
3	Synthetic uranium oxide hydrate materials: Current advances and future perspectives. <i>Dalton Transactions</i> , 2022, , .	3.3	10
4	Current advances on titanate glass-ceramic composite materials as waste forms for actinide immobilization: A technical review. <i>Journal of the European Ceramic Society</i> , 2022, 42, 1852-1876.	5.7	32
5	Profiling hot isostatically pressed canister wasteform interaction for Pu-bearing zirconolite-rich wasteforms. <i>Journal of the American Ceramic Society</i> , 2022, 105, 5359-5372.	3.8	5
6	The incorporation of Nd or Ce in CaZrTi ₂ O ₇ zirconolite: Ceramic versus glass-ceramic. <i>Journal of Nuclear Materials</i> , 2021, 543, 152583.	2.7	12
7	Magnetism in a helicate complexes arising with the tetradentate ligand. <i>Dalton Transactions</i> , 2021, 50, 494-498.	3.3	6
8	Hot isostatic pressed pyrochlore glass-ceramics: Revealing structure insides at the reaction interface. <i>Journal of the American Ceramic Society</i> , 2021, 104, 5981-5989.	3.8	6
9	Hydrothermal Syntheses of Uranium Oxide Hydrate Materials with Sm(III) Ions: pH-Driven Diversities in Structures and Morphologies and Sm-Doped Porous Uranium Oxides Derived from Their Thermal Decompositions. <i>Inorganic Chemistry</i> , 2021, 60, 13233-13241.	4.0	9
10	An investigation of LnUO ₄ (Ln = Dy and Ho): Structures, microstructures, uranium valences and magnetic properties. <i>Journal of the European Ceramic Society</i> , 2021, 41, 6000-6009.	5.7	6
11	Pyrochlore glass-ceramics for the immobilization of molybdenum-99 production wastes: Demonstrating scalability and flexibility to waste stream variance. <i>Journal of the European Ceramic Society</i> , 2021, 41, 7269-7281.	5.7	12
12	Phase assemblage and microstructures of Gd ₂ Ti _{2-x} Zr _x O ₇ (x = 0.1-0.3) pyrochlore glass-ceramics as potential waste forms for actinide immobilization. <i>Materials Chemistry and Physics</i> , 2021, 273, 125058.	4.0	9
13	Thorium(IV) and uranium(VI) compounds of cucurbit[10]uril: from a one-dimensional nanotube to a supramolecular framework. <i>Dalton Transactions</i> , 2020, 49, 404-410.	3.3	8
14	Water Molecule-Induced Reversible Magnetic Switching in a Bis-Terpyridine Cobalt(II) Complex Exhibiting Coexistence of Spin Crossover and Orbital Transition Behaviors. <i>Inorganic Chemistry</i> , 2020, 59, 16843-16852.	4.0	30
15	Uranyl oxide hydrate frameworks with lanthanide ions. <i>Dalton Transactions</i> , 2020, 49, 15854-15863.	3.3	10
16	[U(H ₂ O) ₂] ₂ {[(UO ₂) ₁₀ O ₁₀ (OH) ₂][(UO ₄)(H ₂ O)]}·nH ₂ O: A Mixed-Valence Uranium Oxide Hydrate Framework. <i>Inorganic Chemistry</i> , 2020, 59, 12166-12175.	4.0	12
17	Thorium(IV) and uranium(IV) complexes with cucurbit[8]uril: Supramolecular structures via direct coordination and second-shell interactions. <i>Polyhedron</i> , 2020, 192, 114826.	2.2	2
18	Yttrium and lanthanide (Ln = La and Gd) complexes with cucurbit[10]uril: crystals transforming from supramolecular frameworks to coordination nanotubes. <i>New Journal of Chemistry</i> , 2020, 44, 18208-18215.	2.8	3

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19	Layer-structured uranyl-oxide hydroxy-hydrates with Pr(ⁱⁱⁱ) and Tb(ⁱⁱⁱ) ions: hydroxyl to oxo transition driven by interlayer cations. Dalton Transactions, 2020, 49, 5832-5841.	3.3	11
20	CO ₂ -Induced Spin-State Switching at Room Temperature in a Monomeric Cobalt(II) Complex with the Porous Nature. Angewandte Chemie - International Edition, 2020, 59, 10658-10665.	13.8	25
21	CO ₂ -Induced Spin-State Switching at Room Temperature in a Monomeric Cobalt(II) Complex with the Porous Nature. Angewandte Chemie, 2020, 132, 10745-10752.	2.0	4
22	Pyrochlore glass-ceramics fabricated via both sintering and hot isostatic pressing for minor actinide immobilization. Journal of the American Ceramic Society, 2020, 103, 5470-5479.	3.8	22
23	Ceramic Waste Forms. , 2020, , 445-466.		4
24	Syntheses, Crystal Structures, and Spectroscopic Studies of Uranyl Oxide Hydrate Phases with La(III)/Nd(III) Ions. Inorganic Chemistry, 2019, 58, 10812-10821.	4.0	18
25	Syntheses and crystal structures of two uranyl peroxide nanoclusters with a diphosphonate linker ligand. Polyhedron, 2019, 174, 114161.	2.2	2
26	Specific recognition of formaldehyde by a cucurbit[10]uril-based porous supramolecular assembly incorporating adsorbed 1,8-diaminonaphthalene. Journal of Materials Chemistry C, 2019, 7, 1597-1603.	5.5	39
27	Surface evolution and radiation damage of a zirconolite glass-ceramic by Au ion implantation. Applied Surface Science, 2019, 478, 373-382.	6.1	9
28	Uranium brannerite with Tb(III)/Dy(III) ions: Phase formation, structures, and crystallizations in glass. Journal of the American Ceramic Society, 2019, 102, 7699-7709.	3.8	31
29	Lanthanide mononuclear complexes with a tridentate Schiff base ligand: Structures, spectroscopies and properties. Polyhedron, 2019, 165, 125-131.	2.2	1
30	CaZrTi ₂ O ₇ zirconolite synthesis: From ceramic to glass-ceramic. International Journal of Applied Ceramic Technology, 2019, 16, 1460-1470.	2.1	12
31	Synthesis, characterisation and potent cytotoxicity of unconventional platinum(^{iv}) complexes with modified lipophilicity. Dalton Transactions, 2019, 48, 17217-17227.	3.3	16
32	Synthesis, characterisation and influence of lipophilicity on cellular accumulation and cytotoxicity of unconventional platinum(^{iv}) prodrugs as potent anticancer agents. Dalton Transactions, 2019, 48, 17228-17240.	3.3	30
33	Lanthanoid Heteroleptic Complexes with Cucurbit[5]uril and Dicarboxylate Ligands: From Discrete Structures to One-Dimensional and Two-Dimensional Polymers. Inorganic Chemistry, 2019, 58, 506-515.	4.0	9
34	Hot isostatically pressed Y ₂ Ti ₂ O ₇ and Gd ₂ Ti ₂ O ₇ pyrochlore glass-ceramics as potential waste forms for actinide immobilization. Journal of the European Ceramic Society, 2019, 39, 1546-1554.	5.7	37
35	Cu(II) ion directed self-assembly of a Y ₈ /Cu ₆ heterometallic coordination cage via an Y(III) metalloligand. Inorganica Chimica Acta, 2019, 484, 521-526.	2.4	4
36	Phase evolution and microstructure analysis of CaZrTi ₂ O ₇ zirconolite in glass. Ceramics International, 2018, 44, 6285-6292.	4.8	19

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37	Combining the platinum(II) drug candidate kiteplatin with 1,10-phenanthroline analogues. Dalton Transactions, 2018, 47, 2156-2163.	3.3	6
38	High-Pressure Synthesis, Structural, and Spectroscopic Studies of the Ni–O System. Inorganic Chemistry, 2018, 57, 13847-13858.	4.0	14
39	Uranyl oxide hydrate phases with heavy lanthanide ions: $[\text{Ln}(\text{UO}_2)_2\text{O}_3(\text{OH})] \cdot 0.5\text{H}_2\text{O}$ (Ln = Tb, Dy, Ho and Yb). New Journal of Chemistry, 2018, 42, 12386-12393.	2.8	18
40	Thorium(IV) and Uranium(IV) Complexes with Cucurbit[5]uril. Inorganic Chemistry, 2018, 57, 8588-8598.	4.0	8
41	Creating capsules with cubanes. Dalton Transactions, 2018, 47, 9575-9578.	3.3	6
42	Structural and spectroscopic investigations on the crystallization of uranium brannerite phases in glass. Journal of the American Ceramic Society, 2018, 101, 5219-5228.	3.8	28
43	Hydrothermal synthesis, structures and magnetic properties of two new holmium(III) oxalato complexes. Journal of Coordination Chemistry, 2017, 70, 2040-2051.	2.2	3
44	Zirconolite glass-ceramics for plutonium immobilization: The effects of processing redox conditions on charge compensation and durability. Journal of Nuclear Materials, 2017, 490, 238-241.	2.7	35
45	Syntheses and crystal structures of thorium(IV) and uranium(IV) tripodal metalloligands. Polyhedron, 2017, 138, 82-87.	2.2	8
46	Phase evolution from $\text{Ln}_2\text{Ti}_2\text{O}_7$ (Ln=Y and Gd) pyrochlores to brannerites in glass with uranium incorporation. Journal of the American Ceramic Society, 2017, 100, 5335-5346.	3.8	26
47	Preparation of $\text{Y}_2\text{Ti}_2\text{O}_7$ pyrochlore glass-ceramics as potential waste forms for actinides: The effects of processing conditions. Journal of Nuclear Materials, 2017, 494, 29-36.	2.7	35
48	Development of brannerite glass-ceramics for the immobilization of actinide-rich radioactive wastes. Journal of the American Ceramic Society, 2017, 100, 4341-4351.	3.8	38
49	A new method for production of glass- $\text{Ln}_2\text{Ti}_2\text{O}_7$ pyrochlore (Ln = Gd, Tb, Er, Yb). Journal of the European Ceramic Society, 2017, 37, 4963-4972.	5.7	27
50	Syntheses, structures and magnetic properties of tetranuclear cubane-type and heptanuclear wheel-type nickel(II) complexes with 3-methoxysalicylic acid derivatives. Dalton Transactions, 2017, 46, 8555-8561.	3.3	17
51	Investigating the cytotoxicity of platinum(II) complexes incorporating bidentate pyridyl-1,2,3-triazole ligands. Journal of Inorganic Biochemistry, 2016, 165, 92-99.	3.5	22
52	Self-assembly of a unique 3d/4f heterometallic square prismatic box-like coordination cage. Dalton Transactions, 2016, 45, 9407-9411.	3.3	25
53	Twisted Cucurbit[5]urils. Organic Letters, 2016, 18, 4020-4023.	4.6	120
54	Dioxo-vanadium(V), oxo-rhenium(V) and dioxo-uranium(VI) complexes with a tridentate Schiff base ligand. RSC Advances, 2016, 6, 75045-75053.	3.6	19

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55	Uranium(VI) hybrid materials with $[(UO_2)_3(\mu_3-O)(\mu_2-OH)_3]^+_{asl.5}$ the sub“building unit via uranyl“cation interactions. <i>ChemistrySelect</i> , 2016, 1, 7-12.		19
56	Hydrothermal synthesis, structures and properties of two uranyl oxide hydroxyl hydrate phases with Co(μ_2) or Ni(μ_2) ions. <i>New Journal of Chemistry</i> , 2016, 40, 5357-5363.	2.8	22
57	One-dimensional uranium(VI) coordination polymers with pyridinecarboxylate ligands. <i>Polyhedron</i> , 2016, 113, 88-95.	2.2	8
58	Dinuclear complexes of europium(III) and gadolinium(III) ions with a julolidine“quinoline-based tridentate ligand. <i>Journal of Coordination Chemistry</i> , 2016, 69, 1883-1892.	2.2	3
59	3d transition metal complexes with a julolidine“quinoline based ligand: structures, spectroscopy and optical properties. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 286-295.	6.0	10
60	New synthesis route for lead zirconate titanate powder. <i>Ceramics International</i> , 2016, 42, 6782-6790.	4.8	6
61	Solvothermal synthesis of uranium(VI) phases with aromatic carboxylate ligands: A dinuclear complex with 4-hydroxybenzoic acid and a 3D framework with terephthalic acid. <i>Journal of Solid State Chemistry</i> , 2016, 234, 22-28.	2.9	24
62	Cytotoxicity and Structural Analyses of 2,2“Bipyridine, 4,4“Dimethyl-2,2“bipyridine and 2“(2“Pyridyl)quinoxalineplatinum(II) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 4167-4175.	2.0	27
63	Synthesis and Analysis of the Structure, Diffusion and Cytotoxicity of Heterocyclic Platinum(IV) Complexes. <i>Chemistry - A European Journal</i> , 2015, 21, 16990-17001.	3.3	28
64	Synthesis, spectroscopic characterization and crystal structures of thorium(IV) mononuclear lactato and hexanuclear formato complexes. <i>Polyhedron</i> , 2015, 87, 377-382.	2.2	13
65	Uranium(VI) coordination polymers with pyromellitate ligand: Unique 1D channel structures and diverse fluorescence. <i>Journal of Solid State Chemistry</i> , 2015, 226, 42-49.	2.9	30
66	Uranyl peroxide clusters stabilized by dicarboxylate ligands: A pentagonal ring and a dimer with extensive uranyl“cation interactions. <i>Polyhedron</i> , 2015, 92, 99-104.	2.2	9
67	Thorium(IV) organic frameworks with aromatic polycarboxylate ligands. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2015, 82, 163-172.	1.6	10
68	Uranium(μ_2) complexes with isonicotinic acid: from monomer to 2D polymer with unique U“N bonding. <i>RSC Advances</i> , 2015, 5, 33249-33253.	3.6	37
69	Comparison of uranium(VI) and thorium(IV) coordination polymers with p-toluenesulfonic acid. <i>Polyhedron</i> , 2015, 91, 98-103.	2.2	16
70	Neodymium coordination polymers with propionate, succinate and mixed succinate“oxalate ligands: Synthesis, structures and spectroscopic characterization. <i>Polyhedron</i> , 2015, 102, 130-136.	2.2	13
71	Kinetics vs. thermodynamics: a unique crystal transformation from a uranyl peroxy-nanocluster to a nanoclustered uranyl polyborate. <i>RSC Advances</i> , 2014, 4, 34244-34247.	3.6	17
72	Dysprosium complexes with mono-/di-carboxylate ligands“From simple dimers to 2D and 3D frameworks. <i>Journal of Solid State Chemistry</i> , 2014, 219, 1-8.	2.9	27

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73	Theoretical and experimental Raman spectroscopic studies of synthetic thorutite (ThTi ₂ O ₆). Journal of Nuclear Materials, 2014, 446, 68-72.	2.7	19
74	The incorporation of neptunium and plutonium in thorutite (ThTi ₂ O ₆). Journal of Alloys and Compounds, 2013, 581, 665-670.	5.5	14
75	Synthesis and crystal structures of uranium (VI) and thorium (IV) complexes with picolinamide and malonamide. Inorganic Chemistry Communication, 2013, 37, 219-221.	3.9	18
76	Raman spectroscopic study of natural and synthetic brannerite. Journal of Nuclear Materials, 2013, 437, 149-153.	2.7	31
77	Spectroscopic Studies and Crystal Structures of Double Thorium(IV) Oxalates with Sodium Ions. European Journal of Inorganic Chemistry, 2013, 2013, 6170-6174.	2.0	13
78	The incorporation of plutonium in lanthanum zirconate pyrochlore. Journal of Nuclear Materials, 2013, 443, 444-451.	2.7	44
79	Crystal chemistry and structures of uranium-doped gadolinium zirconates. Journal of Nuclear Materials, 2013, 438, 144-153.	2.7	50
80	The Structural Characterization of a Series of Uranium-containing Gadolinium Zirconates. Materials Research Society Symposia Proceedings, 2012, 1475, 179.	0.1	0
81	Crystal Chemistry and Structures of (Ca,U) Titanate Pyrochlores. Journal of the American Ceramic Society, 2010, 93, 3464-3473.	3.8	35
82	Plutonium in monazite and brabantite: Diffuse reflectance spectroscopy study. Journal of Nuclear Materials, 2008, 375, 311-314.	2.7	32
83	Pyrochlore-structured titanate ceramics for immobilisation of actinides: Hot isostatic pressing (HIPing) and stainless steel/waste form interactions. Journal of Nuclear Materials, 2008, 377, 470-475.	2.7	38
84	Diffuse reflectance spectroscopy of tetravalent neptunium and plutonium ions in ThO ₂ . Journal of Nuclear Materials, 2008, 374, 192-196.	2.7	10
85	HIPed Tailored Pyrochlore-Rich Glass-Ceramic Waste Forms for the Immobilization of Nuclear Waste. Materials Research Society Symposia Proceedings, 2008, 1124, 1.	0.1	8
86	Diffuse reflectance spectroscopy of neptunium ions in polycrystalline ceramics designed for immobilization of HLW. Journal of Alloys and Compounds, 2007, 444-445, 598-602.	5.5	7
87	Synthesis and characterisation of uranyl substituted malonato complexes. Polyhedron, 2002, 21, 69-79.	2.2	28
88	Synthesis and characterisation of uranyl substituted malonato complexes. Polyhedron, 2002, 21, 81-96.	2.2	23
89	Structure Insides at the Reaction Interface Between Pyrochlore Glass-Ceramics and Stainless Steel Canister Under Hot Isostatic Pressing Conditions. SSRN Electronic Journal, 0, , .	0.4	0