

# Lei Zhang

## List of Publications by Year in descending order

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14  
papers

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docs citations

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times ranked

180  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermochemistry of UO <sub>2</sub> and ThO <sub>2</sub> and UO <sub>2</sub> and ZrO <sub>2</sub> fluorite solid solutions. Journal of Chemical Thermodynamics, 2017, 114, 48-54.	1.0	23
2	Thermochemistry of rare earth doped uranium oxides Ln <sub>x</sub> U <sub>1-x</sub> O <sub>2</sub> (Ln = La, Y, Nd). Journal of Nuclear Materials, 2015, 465, 682-691.	1.3	18
3	Uranyl Peroxide Capsule Self-Assembly in Slow Motion. Chemistry - A European Journal, 2019, 25, 6087-6091.	1.7	17
4	Thermodynamic properties of phosphate members of the meta-autunite group: A high-temperature calorimetric study. Journal of Chemical Thermodynamics, 2017, 114, 165-171.	1.0	16
5	Two tetravalent uranium silicate and germanate crystals with three membered single-ring by molten salt method: K <sub>2</sub> USi <sub>3</sub> O <sub>9</sub> and Cs <sub>2</sub> UGe <sub>3</sub> O <sub>9</sub> . Chinese Chemical Letters, 2022, 33, 3527-3530.	4.8	16
6	Hierarchical and self-supporting honeycomb LaNi <sub>5</sub> alloy on nickel foam for overall water splitting in alkaline media. Green Energy and Environment, 2022, 7, 799-806.	4.7	15
7	Supramolecular Assembly of Geometrically Unstable Hybrid Organic-Inorganic Uranyl Peroxide Cage Clusters and Their Transformations. Journal of the American Chemical Society, 2019, 141, 12780-12788.	6.6	13
8	Experimental thermochemistry of neptunium oxides: Np <sub>2</sub> O <sub>5</sub> and NpO <sub>2</sub> . Journal of Nuclear Materials, 2018, 501, 398-403.	1.3	10
9	Energetic Trends in Monomer Building Blocks for Uranyl Peroxide Clusters. Inorganic Chemistry, 2019, 58, 439-445.	1.9	10
10	High-temperature calorimetric measurements of thermodynamic properties of uranyl arsenates of the meta-autunite group. Chemical Geology, 2018, 493, 353-358.	1.4	8
11	A Novel Family of Np(VI) Oxysalts: Crystal Structures, Calorimetry, Thermal Behavior, and Comparison with U(VI) Compounds. Crystal Growth and Design, 2019, 19, 2811-2819.	1.4	6
12	Crystal Chemistry and Structural Complexity of Uranium(IV) Sulfates: Synthesis of U <sub>3</sub> (H <sub>2</sub> (SO <sub>4</sub> ) <sub>7</sub> (H <sub>2</sub> O) <sub>5</sub> ·3H <sub>2</sub> O and U <sub>3</sub> (UO <sub>2</sub> ) <sub>0.2</sub> (SO <sub>4</sub> ) <sub>6</sub> (OH) <sub>0.4</sub> ·2.3H <sub>2</sub> O with Framework Structures by the Photochemical Reduction of Uranyl. Inorganic Chemistry, 2020, 59, 5813-5817.	1.9	5
13	Thermochemical study of tetravalent metal sulfate tetrahydrates: A <sub>4</sub> +(SO <sub>4</sub> ) <sub>2</sub> (H <sub>2</sub> O) <sub>4</sub> (A <sub>4</sub> + = Zr, Ce, U). Journal of Solid State Chemistry, 2019, 276, 56-60.	1.4	1
14	Thermochemical studies of X(NpO <sub>2</sub> )(PO <sub>4</sub> )(H <sub>2</sub> O) <sub>3</sub> (X = K <sup>+</sup> , Rb <sup>+</sup> ), neptunium analogs of the autunite/meta-autunite group. Journal of Solid State Chemistry, 2020, 287, 121373.	1.4	0