

# Xing Liu

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	OMS, OM( $\hat{\Gamma}$ - <sup>2</sup> -SO), and OM( $\hat{\Gamma}$ - <sup>2</sup> -SO)( $\hat{\Gamma}$ - <sup>2</sup> -SO <sub>2</sub> ) Molecules (M = Tl, Pb, Bi, Sb, As, Sn, Te, Se, S, Te, Pb, Bi, Sb, As, Sn, Te, Se, S) <i>Molecules</i> (M = Tl, Pb, Bi, Sb, As, Sn, Te, Se, S) 2019, 24, 7415-7424.	4.0	25
2	Infrared Spectra of Novel NgBeSO <sub>2</sub> Complexes (Ng = Ne, Ar, Kr, Xe) in Low Temperature Matrixes. <i>Journal of Physical Chemistry A</i> , 2016, 120, 8590-8598.	2.5	22
3	Spontaneous sulfur dioxide activation by Group V metal (V, Nb, Ta) atoms in excess argon at cryogenic temperatures. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 9823.	2.8	14
4	Spectroscopic observation of photo-induced metastable linkage isomers of coinage metal (Cu, Ag, Au) sulfur dioxide complexes. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 2607.	2.8	14
5	Optimizing electron-rich arylamine derivatives in thiophene-fused derivatives as $\pi$ -bridge-based hole transporting materials for perovskite solar cells. <i>RSC Advances</i> , 2019, 9, 24733-24741.	3.6	12
6	A Novel Ni/NiF <sub>2</sub> AlF <sub>3</sub> Catalyst with Mild $\sigma$ -Strength Lewis Acid Sites for Dehydrofluorination of 1, 1, 1, 2-tetrafluoroethane to Synthesize Trifluoroethylene. <i>ChemistrySelect</i> , 2019, 4, 4506-4511.	1.5	8
7	Reactions of Mg and Mg <sub>2</sub> with SO <sub>2</sub> in Low-Temperature Matrixes: Association or Insertion?. <i>Journal of Physical Chemistry A</i> , 2015, 119, 610-619.	2.5	7
8	Negative Ion Photoelectron Spectroscopy Reveals Remarkable Noninnocence of Ligands in Nickel Bis(dithiolene) Complexes [Ni(dddt) <sub>2</sub> ] <sup>-</sup> and [Ni(edo) <sub>2</sub> ] <sup>-</sup> . <i>Journal of Physical Chemistry A</i> , 2016, 120, 2854-2862.	2.5	7
9	Cyclic Pb(SO <sub>2</sub> ), Pb(SO <sub>2</sub> ) <sub>2</sub> and Pb <sub>2</sub> (SO <sub>2</sub> ) molecules: Matrix infrared spectra and DFT calculations. <i>Chemical Physics Letters</i> , 2013, 574, 18-23.	2.6	6
10	Cyclic M(SO <sub>2</sub> ) (M=Zn, Cd) and its Anions: Matrix Infrared Spectra and DFT Calculations. <i>Chinese Journal of Chemical Physics</i> , 2013, 26, 747-754.	1.3	6
11	Splitting of Hydrogen Sulfide by Group 14 Elements (Si, Ge, Sn, Pb) in Excess Argon at Cryogenic Temperatures. <i>Journal of Physical Chemistry A</i> , 2018, 122, 7023-7032.	2.5	4
12	Photosensitive Tin Sulfur Dioxide Complexes with Unexpected Bonding Modes. <i>Chemistry - A European Journal</i> , 2019, 25, 5698-5707.	3.3	2
13	Hydrogenation of CO <sub>2</sub> Promoted by Silicon-Activated H <sub>2</sub> S: Origin and Implications. <i>Molecules</i> , 2021, 26, 50.	3.8	2