

# Michael Gerken

## List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Chalcogen versus Dative Bonding in $[SF_3]^{+}$ Lewis Acid-Base Adducts: $[SF_3](NCCH_3)_2$ , $[SF_3](NC_5H_5)_2$ , and $[SF_3](phen)$ (phen = 1,10-phenanthroline). <i>Inorganic Chemistry</i> , 2021, 60, 3893-3901.	4.0	5
2	Stabilisation of $[WVF_4]^+$ by $N$ - and $P$ -Donor Ligands: Second-Order Jahn-Teller Effects in Octacoordinate d <sup>1</sup> Complexes. <i>Chemistry - A European Journal</i> , 2021, 27, 11335-11343.	3.3	2
3	Donor-Stabilised $[SbF_4]^+$ : $SbF_5$ as a Fluoride Ion Donor. <i>Chemistry - A European Journal</i> , 2021, 27, 16334-16337.	3.3	5
4	Recent advances in sulfur tetrafluoride chemistry: syntheses, structures, and applications. <i>Dalton Transactions</i> , 2021, 50, 12791-12799.	3.3	11
5	Lewis Acid Behavior of $MoF_5$ and $MoOF_4$ : Syntheses and Characterization of $MoF_5(NCCH_3)_n$ and $MoOF_4(NC_5H_5)_n$ (n = 1, 2). <i>Inorganic Chemistry</i> , 2021, 60, 15695-15711.	4.0	0
6	Reactions of Molybdenum and Tungsten Oxide Tetrafluoride with Sulfur(IV) Lewis Bases: Structure and Bonding in $[WOF_4]_2$ , $MOF_4(OSO)$ , and $[SF_3][M_2O_2F_9]$ (M = Mo, W). <i>Inorganic Chemistry</i> , 2020, 59, 17544-17554.	4.0	5
7	Stabilisation of $[WF_5]^+$ and $WF_5$ by Pyridine: Facile Access to $[WF_5](NC_5H_5)_3$ and $WF_5(NC_5H_5)_2$ . <i>Chemistry - A European Journal</i> , 2020, 26, 6879-6886.	3.3	3
8	Synthesis and Characterization of $SF_4$ Adducts with Polycyclic Amines. <i>Inorganic Chemistry</i> , 2020, 59, 8620-8628.	4.0	14
9	Crystal structure of an ordered $[WOF_5]^+$ salt: (1,10-phen-H)[ $WOF_5$ ] (1,10-phen = 1,10-phenanthroline). <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2020, 76, 1345-1348.	0.5	2
10	Stabilization of $[WF_5]^+$ by Bidentate $N$ -Donor Ligands. <i>Angewandte Chemie</i> , 2019, 131, 13169-13172.	2.0	2
11	Stabilization of $[WF_5]^+$ by Bidentate $N$ -Donor Ligands. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13035-13038.	13.8	5
12	Synthesis, Characterization, and Lewis Acid Behavior of $[W(NC_6H_5)_2F_4]$ and Computational Study of $W(NR)_2F_4$ (R = H, F, $CH_3$ , $CF_3$ ). <i>Journal of Fluorine Chemistry</i> , 2019, 221, 9-16.	4.0	5
13	$W(NC_6H_5)_2F_4(NCCH_3)_3$ , and $W(NC_6H_5)_2F_4(NC_5H_5)_2$ Syntheses, characterization, and computational study of $AsF_5$ adducts with ketones. <i>Journal of Fluorine Chemistry</i> , 2019, 221, 9-16.	1.7	1
14	Syntheses, characterisation, and computational studies of tungsten hexafluoride adducts with pyridine and its derivatives. <i>Journal of Fluorine Chemistry</i> , 2018, 215, 1-9.	1.7	9
15	Syntheses and Characterization of $W(NC_6H_5)_2F_4$ and Computational Studies of the $W(NR)_2F_4$ (R = H, F, $CH_3$ ,) <i>Journal of Fluorine Chemistry</i> , 2017, 56, 12581-12593.	4.0	14
16	$W_2(NC_6H_5)_2F_4$ Anions. <i>Inorganic Chemistry</i> , 2017, 56, 12581-12593.	2.0	9
17	Solid-State Structure of Protonated Ketones and Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16380-16384.	13.8	21
18	Synthesis and Characterization of Adducts between $SF_4$ and Oxygen Bases: Examples of O- $\pi$ -S(IV) Chalcogen Bonding. <i>Inorganic Chemistry</i> , 2016, 55, 12441-12450.	4.0	14

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19	Interactions between SF <sub>4</sub> and Fluoride: A Crystallographic Study of Solvolysis Products of SF <sub>4</sub> ·Nitrogen-Base Adducts by HF. <i>Inorganic Chemistry</i> , 2016, 55, 7126-7134.	4.0	13
20	Lewis Acid Behavior of SF <sub>4</sub> : Synthesis, Characterization, and Computational Study of Adducts of SF <sub>4</sub> with Pyridine and Pyridine Derivatives. <i>Chemistry - A European Journal</i> , 2015, 21, 6247-6256.	3.3	24
21	The structure of trimethyltin fluoride. <i>Dalton Transactions</i> , 2015, 44, 19651-19658.	3.3	8
22	A new synthetic route to rhenium and iodine oxide fluoride anions: The reaction between oxoanions and sulfur tetrafluoride. <i>Journal of Fluorine Chemistry</i> , 2015, 174, 8-13.	1.7	5
23	The Solid-State Structure of SF <sub>4</sub> : The Final Piece of the Puzzle. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8037-8040.	13.8	33
24	SF <sub>4</sub> ·N(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> : the first conclusively characterized SF <sub>4</sub> adduct with an organic base. <i>Chemical Communications</i> , 2012, 48, 9120.	4.1	33
25	Synthesis, Characterization, and Computational Study of WSF <sub>4</sub> ·NC <sub>5</sub> H <sub>5</sub> . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012, 638, 520-525.	1.2	10
26	Fluoride-Ion Acceptor Properties of WSF <sub>4</sub> : Synthesis, Characterization, and Computational Study of the WSF <sub>5</sub> <sup>+</sup> and W <sub>2</sub> S <sub>2</sub> F <sub>9</sub> <sup>+</sup> Anions and <sup>19</sup> F NMR Spectroscopic Characterization of the W <sub>2</sub> OSF <sub>9</sub> <sup>+</sup> Anion. <i>Inorganic Chemistry</i> , 2012, 51, 6350-6359.	4.0	11
27	Bergman Cyclization of Fluorinated Benzo-fused Eneidyne to Naphthalene Derivatives: Syntheses and Structures. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 2969-2980.	2.4	10
28	Syntheses, Characterization, and Computational Study of WSF <sub>4</sub> and WSF <sub>4</sub> ·CH <sub>3</sub> CN. <i>Inorganic Chemistry</i> , 2009, 48, 11251-11258.	4.0	18
29	Solid-State NMR Spectroscopic Study of Coordination Compounds of XeF <sub>2</sub> with Metal Cations and the Crystal Structure of [Ba(XeF <sub>2</sub> ) <sub>5</sub> ][AsF <sub>6</sub> ] <sub>2</sub> <sup>-</sup> . <i>Inorganic Chemistry</i> , 2007, 46, 6069-6077.	4.0	21
30	Synthesis, Characterization, and Computational Study of the trans-IO <sub>2</sub> F <sub>5</sub> <sup>-</sup> Anion. <i>Inorganic Chemistry</i> , 2003, 42, 5282-5292.	4.0	14
31	The OsO <sub>4</sub> <sup>-</sup> , OsO <sub>4</sub> F <sub>2</sub> <sup>-</sup> , and OsO <sub>3</sub> F <sub>3</sub> <sup>-</sup> Anions, Their Study by Vibrational and NMR Spectroscopy and Density Functional Theory Calculations, and the X-ray Crystal Structures of [N(CH <sub>3</sub> ) <sub>4</sub> ][OsO <sub>4</sub> F] and [N(CH <sub>3</sub> ) <sub>4</sub> ][OsO <sub>3</sub> F <sub>3</sub> ]. <i>Inorganic Chemistry</i> , 2000, 39, 4244-4255.	4.0	70