Michael Gerken

List of Publications by Year
in descending order

31	387	840776 11	794594 19
papers	citations	h-index	g-index

33	33	33	283
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The OsO4F-, OsO4F22-, and OsO3F3-Anions, Their Study by Vibrational and NMR Spectroscopy and Density Functional Theory Calculations, and the X-ray Crystal Structures of [N(CH3)4][OsO4F] and [N(CH3)4][OsO3F3]. Inorganic Chemistry, 2000, 39, 4244-4255.	4.0	70
2	SF4Â·N(C2H5)3: the first conclusively characterized SF4 adduct with an organic base. Chemical Communications, 2012, 48, 9120.	4.1	33
3	The Solidâ€State Structure of SF₄: The Final Piece of the Puzzle. Angewandte Chemie - International Edition, 2013, 52, 8037-8040.	13.8	33
4	Lewis Acid Behavior of SF₄: Synthesis, Characterization, and Computational Study of Adducts of SF₄ with Pyridine and Pyridine Derivatives. Chemistry - A European Journal, 2015, 21, 6247-6256.	3.3	24
5	Solid-State NMR Spectroscopic Study of Coordination Compounds of XeF2with Metal Cations and the Crystal Structure of [Ba(XeF2)5][AsF6]2â€–. Inorganic Chemistry, 2007, 46, 6069-6077.	4.0	21
6	Solidâ€State Structure of Protonated Ketones and Aldehydes. Angewandte Chemie - International Edition, 2017, 56, 16380-16384.	13.8	21
7	Syntheses, Characterization, and Computational Study of WSF₄ and WSF₄Â·CH₃CN. Inorganic Chemistry, 2009, 48, 11251-11258.	4.0	18
8	Synthesis, Characterization, and Computational Study of the trans-IO2F52- Anion. Inorganic Chemistry, 2003, 42, 5282-5292.	4.0	14
9	Synthesis and Characterization of Adducts between SF₄ and Oxygen Bases: Examples of OÂ·Â·Â·S(IV) Chalcogen Bonding. Inorganic Chemistry, 2016, 55, 12441-12450.	4.0	14
10	Synthesis and Characterization of SF₄ Adducts with Polycyclic Amines. Inorganic Chemistry, 2020, 59, 8620-8628.	4.0	14
11	Interactions between SF₄ and Fluoride: A Crystallographic Study of Solvolysis Products of SF₄Â·Nitrogen-Base Adducts by HF. Inorganic Chemistry, 2016, 55, 7126-7134.	4.0	13
12	Fluoride-Ion Acceptor Properties of WSF₄: Synthesis, Characterization, and Computational Study of the WSF₅^{â€“} and W₂S₂F₉^{â€“} Anions and ¹⁹F NMR Spectroscopic Characterization of the W₂OSF₉^{â€“} Anion. Inorganic Chemistry, 2012, 51, 6350-6359.	4.0	11
13	Recent advances in sulfur tetrafluoride chemistry: syntheses, structures, and applications. Dalton Transactions, 2021, 50, 12791-12799.	3.3	11
14	Bergman Cyclization of Fluorinated Benzoâ€Fused Enediynes to Naphthalene Derivatives: Syntheses and Structures. European Journal of Organic Chemistry, 2011, 2011, 2969-2980.	2.4	10
15	Synthesis, Characterization, and Computational Study of WSF₄Â·NC₅H₅. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 520-525.	1.2	10
16	Solidâ€State Structure of Protonated Ketones and Aldehydes. Angewandte Chemie, 2017, 129, 16598-16602.	2.0	9
17	Syntheses, characterisation, and computational studies of tungsten hexafluoride adducts with pyridine and its derivatives. Journal of Fluorine Chemistry, 2018, 215, 1-9.	1.7	9
18	The structure of trimethyltin fluoride. Dalton Transactions, 2015, 44, 19651-19658.	3.3	8

#	Article	IF	Citations
19	A new synthetic route to rhenium and iodine oxide fluoride anions: The reaction between oxoanions and sulfur tetrafluoride. Journal of Fluorine Chemistry, 2015, 174, 8-13.	1.7	5
20	Stabilization of [WF₅]⁺ by Bidentate Nâ€Donor Ligands. Angewandte Chemie - International Edition, 2019, 58, 13035-13038.	13.8	5
21	Synthesis, Characterization, and Lewis Acid Behavior of [W(NC₆F₅)F₄]_x and Computational Study of W(NR)F₄ (R = H, F, CH₃, CF₃,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 662 Td [C W(NC₆F₅)F₄(NCCH₃), and	4.0	5
22	Reactions of Molybdenum and Tungsten Oxide Tetrafluoride with Sulfur(IV) Lewis Bases: Structure and Bonding in [WOF₄]₄, MOF₄(OSO), and [SF₃][M₂O₂F₉] (M = Mo, W). Inorganic Chemistry, 2020, 59, 17544-17554.	4.0	5
23	Chalcogen versus Dative Bonding in [SF₃]⁺ Lewis Acidâ€“Base Adducts: [SF₃(NCCH₃)₂]⁺, [SF₃(NC₅H₅)₂]⁺, and [SF₃(phen)]⁺ (phen = 1,10-phenanthroline). Inorganic Chemistry, 2021, 60, 3893-3901.	4.0	5
24	Donorâ€Stabilised [SbF4]+: SbF5 as a Fluorideâ€Ion Donor. Chemistry - A European Journal, 2021, 27, 16334-16337.	3.3	5
25	Syntheses and Characterization of W(NC₆F₅)F₅^{â€“} and W₂(NC₆F₅)₂F₉^{â€“} Salts and Computational Studies of the W(NR)F₅^{â€“} (R = H, F, CH₃,) Tj ETQq1 1 0.784314 rgBT /Overlo W₂(NC₆F₅)₂F₉^{â€“} Anions.	4.0	4
26	Stabilisation of [WF₅]⁺ and WF₅ by Pyridine: Facile Access to [WF₅(NC₅H₅)₃]⁺ and WF₅(NC₅H₅)₂. Chemistry - A European Journal, 2020, 26, 6879-6886.	3.3	3
27	Stabilization of [WF₅]⁺ by Bidentate Nâ€Donor Ligands. Angewandte Chemie, 2019, 131, 13169-13172.	2.0	2
28	Stabilisation of [W V F 4] + by Nâ€• and Pâ€Donor Ligands: Secondâ€Order Jahnâ€Teller Effects in Octacoordinate d 1 Complexes. Chemistry - A European Journal, 2021, 27, 11335-11343.	3.3	2
29	Crystal structure of an ordered [WOF₅]^{â^’} salt: (1,10-phen-H)[WOF₅] (1,10-phen = 1,10-phenanthroline). Acta Crystallographica Section E: Crystallographic Communications, 2020, 76, 1345-1348.	0.5	2
30	Syntheses, characterization, and computational study of AsF5 adducts with ketones. Journal of Fluorine Chemistry, 2019, 221, 9-16.	1.7	1
31	Lewis Acid Behavior of MoF5 and MoOF4: Syntheses and Characterization of MoF5(NCCH3), MoF5(NC5H5)n, and MoOF4(NC5H5)n (n = 1, 2). Inorganic Chemistry, 2021, 60, 15695-15711.	4.0	0