GaÅ¡per TavÄar

List of Publications by Year
in descending order

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38	875	567281	477307
papers	citations	15	29
		h-index	g-index

40	40	40	1391
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Domain-wall conduction in ferroelectric BiFeO3 controlled by accumulation of charged defects. Nature Materials, 2017, 16, 322-327.	27.5	288
2	Fluoride in teas of different types and forms and the exposure of humans to fluoride with tea and diet. Food Chemistry, 2012, 130, 286-290.	8.2	61
3	Neutral Penta- and Hexacoordinate N-Heterocyclic Carbene Complexes Derived from SiX4 (X = F, Br). Organometallics, 2009, 28, 6374-6377.	2.3	59
4	Effects of airborne fluoride on soil and vegetation. Journal of Fluorine Chemistry, 2011, 132, 755-759.	1.7	34
5	New Coordination Compounds of Cd(AsF6)2with HF and XeF2. Inorganic Chemistry, 2004, 43, 1452-1457.	4.0	31
6	Weak ferromagnetism and ferroelectricity in K3Fe5F15. Journal of Applied Physics, 2008, 103, .	2.5	28
7	XeF₄ as a Ligand for a Metal Ion. Angewandte Chemie - International Edition, 2009, 48, 1432-1434.	13.8	26
8	Recent developments in the preparation of high surface area metal fluorides. Journal of Fluorine Chemistry, 2009, 130, 1086-1092.	1.7	26
9	Coordination of XeF2to Calcium and Cadmium Hexafluorophosphates(V). Inorganic Chemistry, 2006, 45, 1038-1042.	4.0	23
10	XeF2as a Ligand in a Coordination Compound with the BF4-Anion. Inorganic Chemistry, 2005, 44, 1525-1529.	4.0	22
11	Reaction of N-heterocyclic carbene (NHC) with different HF sources and ratios â€“ A free fluoride reagent based on imidazolium fluoride. Journal of Fluorine Chemistry, 2016, 192, 141-146.	1.7	21
12	Stress syndrome response of nettle (Urtica dioica L.) grown in fluoride contaminated substrate to fluoride and fluorine accumulation pattern. Journal of Fluorine Chemistry, 2015, 172, 7-12.	1.7	20
13	Homoleptic [M(XeF2)6]2+ cations of copper(II) and zinc(II)â€”Syntheses and crystal structures of [M(XeF2)6](SbF6)2 (M=Cu, Zn). Journal of Fluorine Chemistry, 2006, 127, 1368-1373.	1.7	19
14	Small molecule activation: SbF3 auto-ionization supported by transfer and mesoionic NHC rearrangement. Dalton Transactions, 2017, 46, 3338-3346.	3.3	19
15	Influence of Anodization-Electrolyte Aging on the Photocatalytic Activity of TiO₂ Nanotube Arrays. Journal of Physical Chemistry C, 2020, 124, 4073-4080.	3.1	17
16	XeF 2 as a ligand to a metal center, an interesting field of noble gas chemistry. Journal of Fluorine Chemistry, 2015, 174, 14-21.	1.7	16
17	Fluorine in vegetation due to an uncontrolled release of gaseous fluorides from a glassworks: A case study of measurement uncertainty, dispersion pattern and compliance with regulation. Environmental Pollution, 2019, 248, 958-964.	7.5	16
18	Reactivity of VOF₃ with N-Heterocyclic Carbene and Imidazolium Fluoride: Analysis of Ligandâ€“VOF₃ Bonding with Evidence of a Minute Ï€ Back-Donation of Fluoride. Inorganic Chemistry, 2018, 57, 13866-13879.	4.0	14

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19	Metal(II) Hexafluorophosphates(V) (M = Sr, Pb) Containing XeF2-Coordinated Metal Ions [M(XeF2)3](PF6)2, [Pb3(XeF2)11](PF6)6, and [Sr3(XeF2)10](PF6)6. Inorganic Chemistry, 2007, 46, 5276-5282.	4.0	13
20	Measurement uncertainty evaluation and traceability assurance for total fluorine determination in vegetation by fluoride ion selective electrode. Journal of Fluorine Chemistry, 2019, 217, 22-28.	1.7	13
21	Discrete GeF₅^{â€“} Anion Structurally Characterized with a Readily Synthesized Imidazolium Based Naked Fluoride Reagent. Inorganic Chemistry, 2017, 56, 10070-10077.	4.0	12
22	Alkaline earth metal poly(hydrogen fluorides) hexafluoroarsenates(V) and hexafluorophosphate(V): M2(H2F3)(HF2)2(AF6) (M=Ca, A=As; M=Sr, A=As, P). Journal of Fluorine Chemistry, 2005, 126, 1088-1094.	1.7	10
23	Syntheses, crystal structures and Raman spectra of Ba(BF4)(PF6), Ba(BF4)(AsF6) and Ba2(BF4)2(AsF6)(H3F4); the first examples of metal salts containing simultaneously tetrahedral BF4â^' and octahedral AF6â^' anions. Journal of Solid State Chemistry, 2009, 182, 2897-2903.	2.9	10
24	Synthesis and transformations of new dihydro-Î²-campholenolactone derivatives. Tetrahedron: Asymmetry, 2006, 17, 1715-1727.	1.8	9
25	[Li(XeF₂)_n](AF₆) (A = P, As, Ru, Ir), the First Xenon(II) Compounds of Lithium. Synthesis, Raman Spectrum, and Crystal Structure of [Li(XeF₂)₃](AsF₆). Inorganic Chemistry, 2013, 52, 4319-4323.	4.0	9
26	Crystal structures of mixed oxoniumâ€“cadmium(II) salts with [SbF6]â^'/[Sb2F11]â^' anions: From complex chains to layers and three-dimensional frameworks. Inorganica Chimica Acta, 2011, 377, 69-76.	2.4	8
27	Crystal structure determination of Pb2F2(HF)(SbF6)2, PbFSbF6 and Ba(HF)(AF6)2: (A=As, Sb). Journal of Fluorine Chemistry, 2015, 175, 18-21.	1.7	6
28	One dimensional group 12 metal undecafluoridoditantalates. Journal of Fluorine Chemistry, 2016, 189, 33-38.	1.7	6
29	Surprisingly high fluorine content in some exotic superfoods. Journal of Fluorine Chemistry, 2020, 234, 109521.	1.7	6
30	Synthesis and characterization of partially substituted NHC supported alane adducts using triflate or chloride salts. Polyhedron, 2021, 196, 115009.	2.2	6
31	Renewable Reagent for Nucleophilic Fluorination. Journal of Organic Chemistry, 2022, 87, 5987-5993.	3.2	6
32	Strontium tetrafluoridoborate and barium tetrafluoridoborate. Acta Crystallographica Section C: Crystal Structure Communications, 2007, 63, i75-i76.	0.4	5
33	The peculiar case of conformations in coordination compounds of group V pentahalides with N-heterocyclic carbene and synthesis of their imidazolium salts. Journal of Fluorine Chemistry, 2019, 227, 109373.	1.7	4
34	Influence of solvent chemistry on 1H NMR spectral and relaxation properties of a long-chain ionic surfactant in chloroform-d. Colloid and Polymer Science, 2015, 293, 1409-1423.	2.1	3
35	Crystal structure, lattice dynamics and superexchange in MAgF₃ 1D antiferromagnets (M =) Tj ETQq1 1 0.784314 rgBT / CrystEngComm, 2022, 24, 1068-1077.	2.6	2
36	Discrete Organofluoroaluminate Anions: Synthetic, Structural, and Spectroscopic Aspects. Organometallics, 2022, 41, 41-51.	2.3	2

#	ARTICLE	IF	CITATIONS
37	Coordination of a Neutral Ligand to a Metal Center of Oxohalido Anions: Fact or Fiction?. Inorganic Chemistry, 2021, 60, 11932-11947.	4.0	1
38	XeF2 as a Ligand in a Coordination Compound with the BF4- Anion.. ChemInform, 2005, 36, no.	0.0	0