Dominik Kurzydlowski

List of Publications by Year in Descending Order

Source: https://exaly.com/author-pdf/8551521/dominik-kurzydlowski-publications-by-year.pdf
Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

37 papers	465 citations	13 h-index	19 g-index
44 ext. papers	565 ext. citations	4.4 avg, IF	4 L-index

#	Paper	IF	Citations
37	Potential energy barrier for proton transfer in compressed benzoic acid.. *RSC Advances*, **2022**, 12, 11436-11441	3.7	
36	High-pressure phase transition of AB-type compounds: case of tellurium trioxide.. *RSC Advances*, **2021**, 11, 14316-14322	3.7	
35	Fluorides of Silver Under Large Compression*. *Chemistry - A European Journal*, **2021**, 27, 5536-5545	4.8	5
34	Raman spectroscopy and surface-enhanced Raman spectroscopy (SERS) spectra of salivary glands carcinoma, tumor and healthy tissues and their homogenates analyzed by chemometry: Towards development of the novel tool for clinical diagnosis. *Analytica Chimica Acta*, **2021**, 1177, 338784	6.6	3
33	Phase Stability of Chloroform and Dichloromethane at High Pressure. *Crystals*, **2020**, 10, 920	2.3	3
32	Unexpected persistence of cis-bridged chains in compressed AuF. *Chemical Communications*, **2020**, 56, 4902-4905	5.8	2
31	High-Pressure Phase Transitions of Zinc Difluoride up to 55 GPa. *Inorganic Chemistry*, **2020**, 59, 2584-2593	3.1	4
30	Epitaxial engineering of flat silver fluoride cuprate analogs. *Physical Review Materials*, **2020**, 4,	3.2	12
29	The contamination of inland waters by microplastic fibres under different anthropogenic pressure: Preliminary study in Central Europe (Poland). *Waste Management and Research*, **2020**, 38, 1231-1238	4	11
28	Silver route to cuprate analogs. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 1495-1500	11.5	34
27	The Jahn-Teller Distortion at High Pressure: The Case of Copper Difluoride. *Crystals*, **2018**, 8, 140	2.3	15
26	Dramatic enhancement of spin-spin coupling and quenching of magnetic dimensionality in compressed silver difluoride. *Chemical Communications*, **2018**, 54, 10252-10255	5.8	16
25	Enhanced Photocatalytic Water Splitting on Very Thin WO3 Films Activated by High-Temperature Annealing. *ACS Catalysis*, **2018**, 8, 10573-10580	13.1	40
24	Prediction of Extremely Strong Antiferromagnetic Superexchange in Silver(II) Fluorides: Challenging the Oxocuprates(II). *Angewandte Chemie - International Edition*, **2017**, 56, 10114-10117	16.4	14
23	Metal fluoride nanotubes featuring square-planar building blocks in a high-pressure polymorph of AgF. *Dalton Transactions*, **2017**, 46, 14742-14745	4.3	14
22	Prediction of Extremely Strong Antiferromagnetic Superexchange in Silver(II) Fluorides: Challenging the Oxocuprates(II). *Angewandte Chemie*, **2017**, 129, 10248-10251	3.6	3
21	High-Pressure Behavior of Silver Fluorides up to 40 GPa. *Inorganic Chemistry*, **2017**, 56, 14651-14661	5.1	21

20	Large exchange anisotropy in quasi-one-dimensional spin-12 fluoride antiferromagnets with a d(z2)1 ground state. *Physical Review B*, **2017**, 96,	3.3	8
19	High-Pressure Reactivity of Kr and F2 Stabilization of Krypton in the +4 Oxidation State. *Crystals*, **2017**, 7, 329	2.3	4
18	Local and Cooperative Jahn-Teller Effect and Resultant Magnetic Properties of MAgF (M = Na-Cs) Phases. *Inorganic Chemistry*, **2016**, 55, 11479-11489	5.1	10
17	High-pressure stabilization of argon fluorides. *Physical Chemistry Chemical Physics*, **2016**, 18, 2309-13	3.6	9
16	Unique Silver(II) Fluorides **2016**, 231-260		11
15	Hexacoordinated nitrogen(V) stabilized by high pressure. *Scientific Reports*, **2016**, 6, 36049	4.9	8
14	Crystal, electronic, and magnetic structures of MAgF (M = Na-Cs) phases as viewed from the DFT+U method. *Dalton Transactions*, **2016**, 45, 16255-16261	4.3	10
13	AgPO2F2 and Ag9(PO2F2)14: the first Ag(i) and Ag(i)/Ag(ii) difluorophosphates with complex crystal structures. *Dalton Transactions*, **2015**, 44, 19478-86	4.3	5
12	Lone-pair interactions and photodissociation of compressed nitrogen trifluoride. *Journal of Chemical Physics*, **2014**, 141, 064706	3.9	5
11	Na2AgF4: 1D antiferromagnet with unusually short Ag2+ Ag2+ separation. *Dalton Transactions*, **2013**, 42, 2167-73	4.3	11
10	Structural transition and unusually strong antiferromagnetic superexchange coupling in perovskite KAgF3. *Chemical Communications*, **2013**, 49, 6262-4	5.8	22
9	Crystal and electronic structure, lattice dynamics and thermal properties of Ag(I)(SO3)R (R = F, CF3) Lewis acids in the solid state. *Dalton Transactions*, **2012**, 41, 2034-47	4.3	23
8	Freezing in resonance structures for better packing: XeF2 becomes (XeF+)(F-) at large compression. *Inorganic Chemistry*, **2011**, 50, 3832-40	5.1	48
7	Phonon Dispersion Analysis as an Indispensable Tool for Predictions of Solid State Polymorphism and Dynamic Metastability: Case of Compressed Silane. *Acta Physica Polonica A*, **2011**, 119, 895-900	0.6	7
6	Polymorphism of Fluoroargentates(II): Facile Collapse of a Layered Network of K2AgF4 Due to the Insufficient Size of the Potassium Cation. *European Journal of Inorganic Chemistry*, **2010**, 2010, 2919-2925	2.3	13
5	Molecular Orbital Approach to Interpret High Pressure Phenomena Case of Elusive Gold Monofluoride. *NATO Science for Peace and Security Series B: Physics and Biophysics*, **2010**, 357-372	0.2	
4	KAgF3, K2AgF4 and K3Ag2F7: important steps towards a layered antiferromagnetic fluoroargentate(II),. *CrystEngComm*, **2009**, 11, 1702	3.3	32
3	Elusive AuF in the solid state as accessed via high pressure comproportionation. *Chemical Communications*, **2008**, 1073-5	5.8	21

2	Xenon as a Mediator of Chemical Reactions? Case of Elusive Gold Monofluoride, AuF, and its Adduct with Xenon, XeAuF. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2008**, 634, 1082-1086	1.3	20
1	Investigation of Topological and Catalytic Properties of Gold Iodide Monolayer: A Density Functional Theory Study. *Physica Status Solidi - Rapid Research Letters*,2100657	2.5	