

Dominik KurzydÅ,owski

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8551521/publications.pdf>

Version: 2024-02-01

42
papers

650
citations

516561

16
h-index

610775

24
g-index

44
all docs

44
docs citations

44
times ranked

487
citing authors

#	ARTICLE	IF	CITATIONS
1	A first-principles investigation of pressure induced topological phase transitions in half-Heusler AgSrBi. <i>Materials Advances</i> , 2022, 3, 3938-3944.	2.6	6
2	Photoelectrochemical Behavior of WO ₃ in an Aqueous Methanesulfonic Acid Electrolyte. <i>ACS Physical Chemistry Au</i> , 2022, 2, 299-304.	1.9	3
3	Investigation of Topological and Catalytic Properties of Gold Iodide Monolayer: A Density Functional Theory Study. <i>Physica Status Solidi - Rapid Research Letters</i> , 2022, 16, .	1.2	2
4	Potential energy barrier for proton transfer in compressed benzoic acid. <i>RSC Advances</i> , 2022, 12, 11436-11441.	1.7	1
5	High-pressure phase transition of AB ₃ -type compounds: case of tellurium trioxide. <i>RSC Advances</i> , 2021, 11, 14316-14322.	1.7	0
6	Fluorides of Silver Under Large Compression**. <i>Chemistry - A European Journal</i> , 2021, 27, 5536-5545.	1.7	14
7	Hydrogen-Bonded Cyclic Dimers at Large Compression: The Case of 1H-pyrrolo[3,2-h]quinoline and 2-(2- ϵ^2 -pyridyl)pyrrole. <i>Molecules</i> , 2021, 26, 3802.	1.7	1
8	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. <i>Analytica Chimica Acta</i> , 2021, 1177, 338784.	2.6	18
9	NaF_3 as a low-pressure analog of MgSi_3O_8 . <i>Physical Review Letters</i> , 2021, 126, 055701.	0.9	1
10	The contamination of inland waters by microplastic fibres under different anthropogenic pressure: Preliminary study in Central Europe (Poland). <i>Waste Management and Research</i> , 2020, 38, 1231-1238.	2.2	23
11	Phase Stability of Chloroform and Dichloromethane at High Pressure. <i>Crystals</i> , 2020, 10, 920.	1.0	7
12	Unexpected persistence of <i>cis</i> -bridged chains in compressed AuF ₃ . <i>Chemical Communications</i> , 2020, 56, 4902-4905.	2.2	7
13	High-Pressure Phase Transitions of Zinc Difluoride up to 55 GPa. <i>Inorganic Chemistry</i> , 2020, 59, 2584-2593.	1.9	10
14	Epitaxial engineering of flat silver fluoride cuprate analogs. <i>Physical Review Materials</i> , 2020, 4, .	0.9	17
15	First-Principles Prediction of Structures and Properties in Crystals. <i>Crystals</i> , 2019, 9, 463.	1.0	2
16	Silver route to cuprate analogs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 1495-1500.	3.3	47
17	Enhanced Photocatalytic Water Splitting on Very Thin WO ₃ Films Activated by High-Temperature Annealing. <i>ACS Catalysis</i> , 2018, 8, 10573-10580.	5.5	56
18	The Jahn-Teller Distortion at High Pressure: The Case of Copper Difluoride. <i>Crystals</i> , 2018, 8, 140.	1.0	20

#	ARTICLE	IF	CITATIONS
19	Dramatic enhancement of spin-spin coupling and quenching of magnetic dimensionality in compressed silver difluoride. <i>Chemical Communications</i> , 2018, 54, 10252-10255.	2.2	17
20	Prediction of Extremely Strong Antiferromagnetic Superexchange in Silver(II) Fluorides: Challenging the Oxocuprates(II). <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10114-10117.	7.2	19
21	Metal fluoride nanotubes featuring square-planar building blocks in a high-pressure polymorph of AgF_2 . <i>Dalton Transactions</i> , 2017, 46, 14742-14745.	1.6	20
22	Prediction of Extremely Strong Antiferromagnetic Superexchange in Silver(II) Fluorides: Challenging the Oxocuprates(II). <i>Angewandte Chemie</i> , 2017, 129, 10248-10251.	1.6	6
23	High-Pressure Behavior of Silver Fluorides up to 40 GPa. <i>Inorganic Chemistry</i> , 2017, 56, 14651-14661.	1.9	26
24	Large exchange anisotropy in quasi-one-dimensional spin-fluoride antiferromagnets with a ground state. <i>Physical Review B</i> , 2017, 96, .	1.1	15
25	High-Pressure Reactivity of Kr and F_2 Stabilization of Krypton in the +4 Oxidation State. <i>Crystals</i> , 2017, 7, 329.	1.0	4
26	Unique Silver(II) Fluorides. , 2016, , 231-260.		15
27	Hexacoordinated nitrogen(V) stabilized by high pressure. <i>Scientific Reports</i> , 2016, 6, 36049.	1.6	10
28	Crystal, electronic, and magnetic structures of M_2AgF_4 (M = Na-Cs) phases as viewed from the DFT+U method. <i>Dalton Transactions</i> , 2016, 45, 16255-16261.	1.6	13
29	Local and Cooperative Jahn-Teller Effect and Resultant Magnetic Properties of M_2AgF_4 (M = Na-Cs) Phases. <i>Inorganic Chemistry</i> , 2016, 55, 11479-11489.	1.9	12
30	High-pressure stabilization of argon fluorides. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 2309-2313.	1.3	11
31	AgPO_2F_2 and $\text{Ag}_9(\text{PO}_2\text{F}_2)_{14}$: the first $\text{Ag}(\text{I})$ and $\text{Ag}(\text{II})$ difluorophosphates with complex crystal structures. <i>Dalton Transactions</i> , 2015, 44, 19478-19486.	1.6	8
32	Lone-pair interactions and photodissociation of compressed nitrogen trifluoride. <i>Journal of Chemical Physics</i> , 2014, 141, 064706.	1.2	8
33	Na_2AgF_4 : 1D antiferromagnet with unusually short $\text{Ag}^{2+}\text{-Ag}^{2+}$ separation. <i>Dalton Transactions</i> , 2013, 42, 2167-2173.	1.6	12
34	Structural transition and unusually strong antiferromagnetic superexchange coupling in perovskite KAgF_3 . <i>Chemical Communications</i> , 2013, 49, 6262.	2.2	28
35	Crystal and electronic structure, lattice dynamics and thermal properties of $\text{Ag}(\text{I})(\text{SO}_3)\text{R}$ (R = F, CF_3) Lewis acids in the solid state. <i>Dalton Transactions</i> , 2012, 41, 2034-2047.	1.6	28
36	Freezing in Resonance Structures for Better Packing: XeF_2 Becomes (XeF^+F^-) at Large Compression. <i>Inorganic Chemistry</i> , 2011, 50, 3832-3840.	1.9	55

#	ARTICLE	IF	CITATIONS
37	Phonon Dispersion Analysis as an Indispensable Tool for Predictions of Solid State Polymorphism and Dynamic Metastability: Case of Compressed Silane. <i>Acta Physica Polonica A</i> , 2011, 119, 895-900.	0.2	8
38	Polymorphism of Fluoroargentates(II): Facile Collapse of a Layered Network of K_2AgF_4 Due to the Insufficient Size of the Potassium Cation. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 2919-2925.	1.0	16
39	Molecular Orbital Approach to Interpret High Pressure Phenomena – Case of Elusive Gold Monofluoride. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2010, , 357-372.	0.2	0
40	KAgF_3 , K_2AgF_4 and $\text{K}_3\text{Ag}_2\text{F}_7$: important steps towards a layered antiferromagnetic fluoroargentate(II), <i>CrystEngComm</i> , 2009, 11, 1702.	1.3	38
41	Xenon as a Mediator of Chemical Reactions? Case of Elusive Gold Monofluoride, AuF, and its Adduct with Xenon, XeAuF . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008, 634, 1082-1086.	0.6	24
42	Elusive AuF in the solid state as accessed via high pressure comproportionation. <i>Chemical Communications</i> , 2008, , 1073.	2.2	22