

Jan P Scheifers

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

874
citations

933447

10
h-index

580821

25
g-index

29
all docs

29
docs citations

29
times ranked

1447
citing authors

#	ARTICLE	IF	CITATIONS
1	Boron-Dependency of Molybdenum Boride Electrocatalysts for the Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5575-5578.	13.8	259
2	Titanium Sulfides as Intercalation-Type Cathode Materials for Rechargeable Aluminum Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 21251-21257.	8.0	136
3	Graphene- and Phosphorene-like Boron Layers with Contrasting Activities in Highly Active Mo_2B_4 for Hydrogen Evolution. <i>Journal of the American Chemical Society</i> , 2017, 139, 12915-12918.	13.7	104
4	Molybdenum diboride nanoparticles as a highly efficient electrocatalyst for the hydrogen evolution reaction. <i>Sustainable Energy and Fuels</i> , 2017, 1, 1928-1934.	4.9	96
5	Boron: Enabling Exciting Metal-Rich Structures and Magnetic Properties. <i>Accounts of Chemical Research</i> , 2017, 50, 2317-2325.	15.6	82
6	Boron-Dependency of Molybdenum Boride Electrocatalysts for the Hydrogen Evolution Reaction. <i>Angewandte Chemie</i> , 2017, 129, 5667-5670.	2.0	50
7	Crystal Structure Transformation in Chevrel Phase Mo_6S_8 Induced by Aluminum Intercalation. <i>Chemistry of Materials</i> , 2018, 30, 8420-8425.	6.7	31
8	Synthesis and Li-ion electrode properties of layered MAB phases $\text{Ni}_{n+1}\text{ZnB}_n$ ($n = 1, 2$). <i>Journal of Materials Chemistry A</i> , 2020, 8, 1646-1651.	10.3	22
9	Structural variations, relationships and properties of M ₂ B metal borides. <i>Journal of Solid State Chemistry</i> , 2019, 270, 618-635.	2.9	20
10	Electronic Pseudogap-Driven Formation of New Double-Perovskite-like Borides within the $\text{Sc}_2\text{Ir}_6\text{TxB}$ (T = Pd, Ni; $x = 0-6$) Series. <i>Inorganic Chemistry</i> , 2015, 54, 4056-4063.	4.0	14
11	$\text{Fe}_5\text{Ge}_2\text{Te}_2$ a New Exfoliable Itinerant Ferromagnet with High Curie Temperature and Large Perpendicular Magnetic Anisotropy. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020, 14, 1900666.	2.4	9
12	Evidence of a coupled electron-phonon liquid in NbGe ₂ . <i>Nature Communications</i> , 2021, 12, 5292.	12.8	8
13	Unexpected Trend Deviation in Isoelectronic Transition Metal Borides AT_3B_2 (A = group 4, T = group 9): $\text{Ti}_3\text{Co}_5\text{B}_2$ vs. Perovskite-Type Studied by Experiments and DFT Calculations. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017, 643, 1551-1556.	1.2	7
14	It Runs in the BaAl_4 Family: Relating the Structure and Properties of Middle Child $\text{Ln}_2\text{Co}_3\text{Ge}_5$ (Ln = Pr, Nd, and Sm) to its Siblings LnCo_2Ge_2 and LnCoGe_3 . <i>Inorganic Chemistry</i> , 2021, 60, 15343-15350.	4.0	6
15	Direct Correlation of Mechanical Hardness and Chemical Bonding in Intermetallic Double Perovskite Borides $\text{Sc}_2\text{Ir}_6\text{Pd}_x\text{B}$. <i>Journal of Physical Chemistry C</i> , 2020, 124, 26062-26067.	3.1	5
16	Direct Chemical Fine-Tuning of Electronic Properties in $\text{Sc}_2\text{Ir}_6\text{Pd}_x\text{B}$. <i>ChemPhysChem</i> , 2016, 17, 2972-2976.	2.1	4
17	Pseudogap formation and vacancy ordering in the new perovskite boride $\text{Zr}_2\text{Ir}_6\text{B}$. <i>Acta Materialia</i> , 2016, 120, 32-39.	7.9	4
18	HTaNbOsB : Experimental and Theoretical Investigations of a Boride Structure Type Containing Boron Chains and Isolated Boron Atoms. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 3297-3303.	2.0	4

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19	Antiferromagnetic Order and Spin-Canting Transition in the Corrugated Square Net Compound $\text{Cu}_3(\text{TeO}_4)(\text{SO}_4)_2\text{H}_2\text{O}$. <i>Inorganic Chemistry</i> , 2021, 60, 10565-10571.	4.0	3
20	An Old Dog with New Tricks - Additions to the Cesium Lithium Chloride System: $\text{Cs}_3\text{Li}_2\text{Cl}_5$ and the Hydrated $\text{Cs}_3\text{LiCl}_4 \cdot 4\text{H}_2\text{O}$. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 3526-3535.	2.0	2
21	Experimental and computational investigations of $\text{TiRh}_2\text{Ir}_3\text{B}_3$ -type structure. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2021, 76, 727-731.	0.7	2
22	Extending the knowledge on the quaternary rare earth nickel aluminum germanides of the $\text{RENiAl}_4\text{Ge}_2$ series ($\text{RE}=\text{Y}, \text{Sm}, \text{Gd-Tm}, \text{Lu}$) - structural, magnetic and NMR-spectroscopic investigations. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2020, 75, 149-162.	0.7	2
23	Triangular Arrangement of Ferromagnetic Iron Chains in the High- T_C Ferromagnet $\text{TiFe}_x\text{Os}_{2+x}\text{B}_2$. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	2
24	Transformation of trigonal planar B_4 into zigzag B_4 units within the new boride series $\text{Ti}_2\text{M}_x\text{Ir}_3\text{B}_3$ ($x = 0.5$ for $\text{M} = \text{V-Mn}$, $x = 0$ for $\text{M} = \text{Mn-Ni}$ and Ir < 0.2). <i>Solid State Sciences</i> , 2020, 107, 106294.	2.0	1
25	$\text{Nb}_6\text{Mn}_x\text{Ir}_6\text{B}_8$ ($x = 0.25$): A Ferrimagnetic Boride Containing Planar B_6 Rings Interacting with Ferromagnetic Mn Chains. <i>Journal of Physical Chemistry C</i> , 2021, 125, 13635-13640.	3.1	1
26	HTaNbOsB : Experimental and Theoretical Investigations of a Boride Structure Type Containing Boron Chains and Isolated Boron Atoms. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 3281-3281.	2.0	0
27	Site-preferential copper substitution for silicon leads to Cu-chains in the new ternary silicide Ir_4CuSi_2 . <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2020, 235, 391-399.	0.8	0