

# Jens Hunger

## List of Publications by Year in descending order

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34  
papers

671  
citations

759233

12  
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26  
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37  
all docs

37  
docs citations

37  
times ranked

1087  
citing authors

#	ARTICLE	IF	CITATIONS
1	Field-induced quantum criticality in the Kitaev system $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \hat{\pm} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{\sim} \langle \text{mml:mo} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mn} \rangle$ Physical Review B, 2017, 96, .		
2	Synthesis of NBN-Type Zigzag-Edged Polycyclic Aromatic Hydrocarbons: 1,9-Diaza-9a-boraphenalene as a Structural Motif. Journal of the American Chemical Society, 2016, 138, 11606-11615.	13.7	121
3	Adsorption Structures of Water in NaX Studied by DRIFT Spectroscopy and Neutron Powder Diffraction. Journal of Physical Chemistry B, 2006, 110, 342-353.	2.6	83
4	Hydrothermal Synthesis and Structure of Coordination Polymers by Combination of Bipyrazole and Aromatic Dicarboxylate Ligands. Crystal Growth and Design, 2009, 9, 4613-4625.	3.0	63
5	Helical Bipyrazole Networks Conditioned by Hydrothermal Crystallization. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2005, 631, 1095-1100.	1.2	46
6	Low-Temperature Tailoring of Copper-Deficient $\text{Cu}_{3-x}\text{P}$ Electric Properties, Phase Transitions, and Performance in Lithium-Ion Batteries. Chemistry of Materials, 2018, 30, 7111-7123.	6.7	30
7	$\text{Ca}_3\text{N}_2$ , a Metastable Nitride in the System $\text{Ca-N}$ . Chemistry - A European Journal, 2009, 15, 3419-3425.	3.3	17
8	Oxo-Hydroxoferrate $\text{K}_2\text{Fe}_4\text{O}_7(\text{OH})$ : Hydroflux Synthesis, Chemical and Thermal Instability, Crystal and Magnetic Structures. ChemistryOpen, 2019, 8, 74-83.	1.9	16
9	Antiferromagnetic Alkali Metal Oxohydroxoferrates(III) with Correlated Hydrogen Bonding Systems. ChemistryOpen, 2019, 8, 1399-1406.	1.9	16
10	Synthese und Strukturen neuer oligomerer Zinkaminoalkoxid-Komplexe. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2005, 631, 472-478.	1.2	13
11	Syntheses, Crystal Structures and Physical Properties of Chromium and Rhodium Hydrogarnets $\text{Ca}_3[\text{Cr}(\text{OH})_6]_2$ , $\text{Sr}_3[\text{Cr}(\text{OH})_6]_2$ and $\text{Sr}_3[\text{Rh}(\text{OH})_6]_2$ . European Journal of Inorganic Chemistry, 2019, 2019, 1398-1405.	2.0	13
12	Synthesis and crystal structure of the isotopic rare earth thioborates $\text{Ce}[\text{BS}_3]$ , $\text{Pr}[\text{BS}_3]$ , and $\text{Nd}[\text{BS}_3]$ . Journal of Solid State Chemistry, 2010, 183, 702-706.	2.9	12
13	Detuning the Honeycomb of the $\text{RuCl}_3$ Kitaev Lattice: A Case of $\text{Cr}^{3+}$ Dopant. Inorganic Chemistry, 2019, 58, 6659-6668.	4.0	12
14	syn-BN-heteroacene cored conjugated oligomers with finely tuned blue-violet luminescent properties. Organic and Biomolecular Chemistry, 2017, 15, 7106-7111.	2.8	10
15	$\text{CaNa}[\text{Cr}(\text{OH})_6]$ A Layered Hydroxochromate(III) with Ordered Brucite Structure and its Thermal Decomposition. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 1130-1137.	1.2	9
16	Tunable Potassium Ion Conductivity and Magnetism in Substituted Layered Ferrates. European Journal of Inorganic Chemistry, 2021, 2021, 364-376.	2.0	9
17	Preparation and characterization of dinuclear palladium tetraaminathiophenolate complexes coligated by bridging acetate and acetamidate units. Inorganica Chimica Acta, 2007, 360, 3189-3195.	2.4	7
18	Tricyanidoferrates( $\text{Fe}^{\text{IV}}$ ) and Ruthenates( $\text{Ru}^{\text{IV}}$ ) with Non-Innocent Cyanido Ligands. Angewandte Chemie - International Edition, 2021, 60, 15879-15885.	13.8	7

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19	High-pressure high-temperature synthesis and crystal structure of the isotypic rare earth (RE) trithioborate sulfides RE <sub>9</sub> [BS <sub>3</sub> ] <sub>2</sub> [BS <sub>4</sub> ] <sub>3</sub> S <sub>3</sub> , (RE=Dy-Lu). Journal of Solid State Chemistry, 2011, 184, 296-303.	2.9	5
20	Characterization of the microporosity of different metal-organic frameworks using <sup>129</sup> Xe NMR spectroscopy. Studies in Surface Science and Catalysis, 2007, , 2030-2036.	1.5	4
21	Synthesis and structure of coordination polymers of Mn <sup>2+</sup> , Cu <sup>2+</sup> , Ag <sup>+</sup> , Zn <sup>2+</sup> and Cd <sup>2+</sup> by combination of bipyrazole and diphenate ligands. Inorganica Chimica Acta, 2013, 397, 60-68.	2.4	4
22	Hydrothermal synthesis and structure determination of a new calcium iron ruthenium hydrogarnet. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2018, 73, 803-811.	0.7	4
23	Hydrothermal Synthesis, Crystal Structure, and Magnetism of Na <sub>2</sub> [Ir(OH) <sub>6</sub> ] and its Dehydration to Na <sub>2</sub> IrO <sub>3</sub> . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 667-672.	1.2	4
24	Hydrothermal Synthesis, Crystal Structure Determination, and Magnetic Properties of a New Calcium Iron Iridium Hydrogarnet Ca <sub>3</sub> (Ir <sub>2</sub> xFe <sub>x</sub> )(FeO <sub>4</sub> ) <sub>2</sub> (O <sub>4</sub> H <sub>4</sub> ) <sub>3</sub> with 0 ≤ x ≤ 1. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 631-637.	1.2	3
25	Distortions in the cubic primitive high-pressure phases of calcium. Journal of Physics Condensed Matter, 2019, 31, 065401.	1.8	3
26	Crystal structure of monosamarium trithioborate, Sm[BS <sub>3</sub> ]. Zeitschrift Fur Kristallographie - New Crystal Structures, 2010, 225, 223-224.	0.3	2
27	Crystal structure of monoterbium trithioborate, Tb[BS <sub>3</sub> ]. Zeitschrift Fur Kristallographie - New Crystal Structures, 2010, 225, 225-226.	0.3	2
28	Tricyanidoferrate(IV) und Ruthenate(IV) mit redoxaktiven Cyanidoliganden. Angewandte Chemie, 2021, 133, 16015-16021.	2.0	2
29	Simulation assisted determination of adsorbate structures. Studies in Surface Science and Catalysis, 2008, 174, 745-750.	1.5	1
30	Refinement of the crystal structure of praseodymium trithioborate, Pr[BS <sub>3</sub> ], single crystal data. Zeitschrift Fur Kristallographie - New Crystal Structures, 2010, 225, 217-218.	0.3	1
31	Isothiazolo[3,2-b]-1,3,4-oxadiazole-5,5-dioxide: Synthesis of a New Heteropentalene System. Heterocycles, 2005, 65, 2705.	0.7	1
32	Sultam and Sultim Structures, Part 5 [1]. Weak Hydrogen Bonds in Molecular Networks of 2-Hetaryl-3-oxosultams in Comparison with 2-Aryl-3-oxosultams. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2009, 64, 669-675.	0.7	0
33	On the Crystal Structure of RE <sub>3</sub> [BS <sub>3</sub> ] <sub>2</sub> [BS <sub>4</sub> ] <sub>3</sub> S <sub>3</sub> (RE = Dy -Lu). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 636, 2101-2101.	1.2	0
34	gtk-fortran: a GTK+ binding to build Graphical User Interfaces in Fortran. Journal of Open Source Software, 2019, 4, 1109.	4.6	0