

Barbara Albert

List of Publications by Year in descending order

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133
papers

2,957
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172
all docs

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docs citations

172
times ranked

3156
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Boron: Elementary Challenge for Experimenters and Theoreticians. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8640-8668. | 7.2 | 517 |
| 2 | $M_{2}B_{5}$ or $M_{2}B_{4}$? A Reinvestigation of the Mo/B and W/B System. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007, 633, 2626-2630. | 0.6 | 95 |
| 3 | Investigations on P zeolites: synthesis, characterisation, and structure of highly crystalline low-silica NaP. <i>Microporous and Mesoporous Materials</i> , 1998, 21, 133-142. | 2.2 | 91 |
| 4 | Possible Superhardness of CrB_{4} . <i>Inorganic Chemistry</i> , 2013, 52, 540-542. | 1.9 | 78 |
| 5 | Thermal Properties of SiOC Glasses and Glass Ceramics at Elevated Temperatures. <i>Materials</i> , 2018, 11, 279. | 1.3 | 66 |
| 6 | $CaB_{2}C_{2}$: A Reinvestigation of a Semiconducting Boride Carbide with a Layered Structure and an Interesting Boron/Carbon Ordering Scheme. <i>Inorganic Chemistry</i> , 1999, 38, 6159-6163. | 1.9 | 57 |
| 7 | Wall heat fluxes and CO formation/oxidation during laminar and turbulent side-wall quenching of methane and DME flames. <i>International Journal of Heat and Fluid Flow</i> , 2018, 70, 181-192. | 1.1 | 55 |
| 8 | A survey of phosphors novel for thermography. <i>Journal of Luminescence</i> , 2011, 131, 559-564. | 1.5 | 54 |
| 9 | Peierls-Distorted Monoclinic MnB_{4} with a $Mn-Mn$ Bond. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1684-1688. | 7.2 | 52 |
| 10 | Crystal Structure Refinement and Bonding Patterns of CrB_{4} : A Boron-Rich Boride with a Framework of Tetrahedrally Coordinated B Atoms. <i>Inorganic Chemistry</i> , 2011, 50, 10540-10542. | 1.9 | 49 |
| 11 | Structure refinements of iron borides $Fe_{2}B$ and FeB . <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2006, 221, . | 0.4 | 47 |
| 12 | Nanoscale Iron Nitride, $\mu-Fe_{3}N$: Preparation from Liquid Ammonia and Magnetic Properties. <i>Chemistry of Materials</i> , 2017, 29, 621-628. | 3.2 | 46 |
| 13 | Crystal and electronic structure of BaB_{6} in comparison with CaB_{6} and molecular $[B_{6}H_{6}]^{2-}$. <i>Solid State Sciences</i> , 2001, 3, 321-327. | 1.5 | 45 |
| 14 | Crystal Structures of the Metal Diborides ReB_{2} , RuB_{2} , and OsB_{2} from Neutron Powder Diffraction. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010, 636, 1783-1786. | 0.6 | 45 |
| 15 | Room-temperature synthesis of metal borides. <i>Solid State Sciences</i> , 2003, 5, 925-930. | 1.5 | 41 |
| 16 | Synthesis of a Highly Efficient Oxygen Evolution Electrocatalyst by Incorporation of Iron into Nanoscale Cobalt Borides. <i>ChemSusChem</i> , 2018, 11, 3150-3156. | 3.6 | 41 |
| 17 | Neutron diffraction and observation of superconductivity for tungsten borides, WB and $W_{2}B_{4}$. <i>Solid State Sciences</i> , 2012, 14, 1656-1659. | 1.5 | 40 |
| 18 | Borates - Crystal Structures of Prospective Nonlinear Optical Materials: High Anisotropy of the Thermal Expansion Caused by Anharmonic Atomic Vibrations. <i>Crystals</i> , 2017, 7, 93. | 1.0 | 40 |

| # | ARTICLE | IF | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Active Site Identification in FeNC Catalysts and Their Assignment to the Oxygen Reduction Reaction Pathway by In Situ ⁵⁷ Fe Mössbauer Spectroscopy. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2000064. | 2.8 | 40 |
| 20 | Effect of pyrolysis temperature on the microstructure and thermal conductivity of polymer-derived monolithic and porous SiC ceramics. <i>Journal of the European Ceramic Society</i> , 2021, 41, 1151-1162. | 2.8 | 36 |
| 21 | NaB ₁₅ : A New Structural Description Based on X-ray and Neutron Diffraction, Electron Microscopy, and Solid-State NMR Spectroscopy. <i>Chemistry - A European Journal</i> , 2000, 6, 2531-2536. | 1.7 | 34 |
| 22 | Wet-Chemical Synthesis of Nanoscale Iron Boride, XAFS Analysis and Crystallisation to $\hat{\pm}$ -FeB. <i>ChemPhysChem</i> , 2011, 12, 1756-1760. | 1.0 | 34 |
| 23 | Large resistivity change and phase transition in the antiferromagnetic semiconductors LiMnAs and LaOMnAs. <i>Physical Review B</i> , 2013, 88, . | 1.1 | 34 |
| 24 | Synthesis, Characterization, and Crystal Structure of Na ₃ B ₂ O ₇ , determined and refined from X-ray and Neutron Powder Data. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1999, 625, 709-713. | 0.6 | 33 |
| 25 | Size and Crystallinity Dependence of Magnetism in Nanoscale Iron Boride, $\hat{\pm}$ -FeB. <i>Chemistry of Materials</i> , 2014, 26, 1549-1552. | 3.2 | 33 |
| 26 | The Structure Chemistry of Boron-Rich Solids of the Alkali Metals. <i>European Journal of Inorganic Chemistry</i> , 2000, 2000, 1679-1685. | 1.0 | 32 |
| 27 | High-pressure densified solid solutions of alkaline earth hexaborides (Ca/Sr, Ca/Ba, Sr/Ba) and their high-temperature thermoelectric properties. <i>Journal of Solid State Chemistry</i> , 2015, 221, 191-195. | 1.4 | 32 |
| 28 | Enhanced two-dimensional behavior of metastable T^{\pm} of the parent compound of electron-doped cuprate superconductors. <i>Physical Review B</i> , 2010, 82, . | 1.1 | 30 |
| 29 | Solid solution between lithium-rich yttrium and europium molybdate as new efficient red-emitting phosphors. <i>Journal of Materials Chemistry C</i> , 2016, 4, 596-602. | 2.7 | 30 |
| 30 | Crystal structures of M ₂ [B ₁₀ H ₁₀] (M = Na, K, Rb) via real-space simulated annealing powder techniques. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2005, 220, 142-146. | 0.4 | 29 |
| 31 | A new 4c ^{2e} bond in B ₆ H ₇ ⁻ . <i>Chemical Communications</i> , 2007, , 3097-3099. | 2.2 | 29 |
| 32 | New Boron-Rich Materials: Cubic Carbaborides of Sodium and Potassium. <i>Chemistry of Materials</i> , 1999, 11, 3406-3409. | 3.2 | 28 |
| 33 | Processing and thermal characterization of polymer derived SiCN(O) and SiOC reticulated foams. <i>Ceramics International</i> , 2020, 46, 5594-5601. | 2.3 | 27 |
| 34 | Manganese Tetraboride, MnB ₄ : High-Temperature Crystal Structure, $\hat{\pm}$ Transition, ⁵⁵ Mn NMR Spectroscopy, Solid Solutions, and Mechanical Properties. <i>Chemistry - A European Journal</i> , 2015, 21, 8177-8181. | 1.7 | 26 |
| 35 | Carbon Nanotube Bags: Catalytic Formation, Physical Properties, Two-Dimensional Alignment and Geometric Structuring of Densely Filled Carbon Tubes. <i>Chemistry - A European Journal</i> , 2001, 7, 2888-2895. | 1.7 | 25 |
| 36 | Metastable Ni ₇ B ₃ : A New Paramagnetic Boride from Solution Chemistry, Its Crystal Structure and Magnetic Properties. <i>Inorganic Chemistry</i> , 2015, 54, 10873-10877. | 1.9 | 25 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Investigations on P zeolites: synthesis and structure of the gismondine analogue, highly crystalline low-silica CaP. <i>Microporous and Mesoporous Materials</i> , 1998, 21, 127-132. | 2.2 | 24 |
| 38 | Phosphor thermometry: On the synthesis and characterisation of Y ₃ Al ₅ O ₁₂ :Eu (YAG:Eu) and YAlO ₃ :Eu (YAP:Eu). <i>Materials Chemistry and Physics</i> , 2013, 140, 435-440. | 2.0 | 24 |
| 39 | Cylinder head temperature determination using high-speed phosphor thermometry in a fired internal combustion engine. <i>Applied Physics B: Lasers and Optics</i> , 2014, 116, 293-303. | 1.1 | 24 |
| 40 | Effects of Sc and Y substitution on the structure and thermoelectric properties of Yb ₁₄ MnSb ₁₁ . <i>Journal of Solid State Chemistry</i> , 2016, 242, 55-61. | 1.4 | 24 |
| 41 | High-pressure synthesis of $\hat{I}\pm$ -PbO ₂ and its crystal structure at 293, 203, and 113 K from single crystal diffraction data. <i>Solid State Sciences</i> , 2005, 7, 1363-1368. | 1.5 | 23 |
| 42 | Catalytic activity of nanoscale borides: Co ₂ B and Ni ₇ B ₃ in the liquid-phase hydrogenation of citral. <i>Journal of Catalysis</i> , 2017, 352, 436-441. | 3.1 | 23 |
| 43 | Temperature-dependent Changes of the Crystal Structure of Li ₂ B ₄ O ₇ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008, 634, 2601-2607. | 0.6 | 22 |
| 44 | Lithium Intercalation into \hat{I}^2 -Rhombohedral Boron: LiB ^{1/4} ₁₀ or Li ₃₀ B ₃₀₉ ?. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009, 635, 653-659. | 0.6 | 22 |
| 45 | Selection of peptides binding to metallic borides by screening M13 phage display libraries. <i>BMC Biotechnology</i> , 2014, 14, 12. | 1.7 | 22 |
| 46 | Synthesis of Microcrystalline Ce ₂ O ₃ and Formation of Solid Solutions between Cerium and Lanthanum Oxides. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 1050-1053. | 0.6 | 22 |
| 47 | Crystalline structure of the TiO ₂ II high-pressure phase at 293, 223, and 133 K according to single-crystal x-ray diffraction data. <i>Doklady Physics</i> , 2007, 52, 195-199. | 0.2 | 20 |
| 48 | Multi-centre, hydrogen and dihydrogen bonds in lithium closo-hydroborate obtained from liquid ammonia. <i>Dalton Transactions</i> , 2008, , 3956. | 1.6 | 20 |
| 49 | A New "Old" Sodium Boride: Linked Pentagonal Bipyramids and Octahedra in Na ₃ B ₂₀ . <i>Angewandte Chemie - International Edition</i> , 1998, 37, 1117-1118. | 7.2 | 19 |
| 50 | NaB ₅ C: carbon insertion into a three-dimensional framework of boron octahedra leads to electron-precise cubic carbaborides. <i>Chemical Communications</i> , 1998, , 2373-2374. | 2.2 | 19 |
| 51 | Magnetic and Electrocatalytic Properties of Nanoscale Cobalt Boride, Co ₃ B. <i>Inorganic Chemistry</i> , 2019, 58, 16609-16617. | 1.9 | 19 |
| 52 | The $\hat{I}^{6,1}$ -Coordination of Beryllium Atoms in the Graphite Analogue Be ₂ C ₂ . <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2301-2303. | 7.2 | 18 |
| 53 | Transitions Between Lanthanum Cuprates: Crystal Structures of \hat{T}^2 , Orthorhombic, and K ₂ NiF ₄ -type La ₂ CuO ₄ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011, 637, 1114-1117. | 0.6 | 17 |
| 54 | Near-Edge Fine Structures in Electron Energy Loss Spectra: Are CaB ₂ C ₂ and LaB ₂ C ₂ Isotypic?. <i>ChemPhysChem</i> , 2002, 3, 896-898. | 1.0 | 16 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Disordered langasites $\text{La}_3\text{Ga}_5\text{MO}_{14}\text{Eu}^{3+}$ (M = Si, Ge, Tj) ETO_{q1} 1.0.784 | 1.8 | 16 |
| 56 | Reversible adiabatic temperature change in the shape memory Heusler alloy $\text{NiTi}x\text{Mn}y\text{Zr}z$: An effect of structural compatibility. <i>Physical Review Materials</i> , 2018, 2, . | 0.9 | 22 |
| 57 | Synthesis, Characterization, and Crystal Structures of $[\text{N}(\text{CH}_3)_4]_2[\text{B}_{12}\text{H}_{12}]$ and $[\text{N}(\text{CH}_3)_4]_2[\text{B}_{12}\text{H}_{12}]\text{SCH}_3\text{CN}$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2001, 627, 1055-1058. | 0.6 | 15 |
| 58 | Neutron Diffraction at Metal Borides, Ru_2B_3 and Os_2B_3 . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012, 638, 2078-2080. | 0.6 | 15 |
| 59 | Low-Temperature Synthesis and Magnetostructural Transition in Antiferromagnetic, Refractory Nanoparticles: Chromium Nitride, CrN. <i>Chemistry of Materials</i> , 2018, 30, 1610-1616. | 3.2 | 15 |
| 60 | Thermodynamic Ground States of Multifunctional Metal Dodecaborides. <i>Chemistry of Materials</i> , 2019, 31, 1075-1083. | 3.2 | 15 |
| 61 | Ordered langasites $\text{La}_3\text{Ga}_5\text{MO}_{14}\text{Eu}^{3+}$ (M = Zr, Hf, Sn) as red-emitting LED phosphors. <i>Journal of Luminescence</i> , 2020, 218, 116833. | 1.5 | 14 |
| 62 | A synchrotron X-ray powder diffraction study of highly crystalline low-silica zeolite P during Na^+Ca ion exchange. <i>Microporous and Mesoporous Materials</i> , 2000, 34, 207-211. | 2.2 | 13 |
| 63 | X-ray powder diffraction studies and thermal behaviour of $\text{NaK}_2\text{B}_9\text{O}_{15}$, $\text{Na}(\text{Na}.17\text{K}.83)_2\text{B}_9\text{O}_{15}$, and $(\text{Na}.80\text{K}.20)\text{K}_2\text{B}_9\text{O}_{15}$. <i>Journal of Solid State Chemistry</i> , 2006, 179, 2954-2963. | 1.4 | 13 |
| 64 | Synthesis and Characterization of Li-containing Boron Carbide $\text{Li}_x\text{B}_{13}\text{C}_2$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2019, 645, 362-369. | 0.6 | 13 |
| 65 | Effects of doping concentration and co-doping with cerium on the luminescence properties of $\text{Gd}_3\text{Ga}_5\text{O}_{12}:\text{Cr}^{3+}$ for thermometry applications. <i>Optical Materials</i> , 2015, 47, 338-344. | 1.7 | 12 |
| 66 | Application of structured illumination to gas phase thermometry using thermographic phosphor particles: a study for averaged imaging. <i>Experiments in Fluids</i> , 2017, 58, 1. | 1.1 | 12 |
| 67 | Multiple scattering reduction in instantaneous gas phase phosphor thermometry: applications with dispersed seeding. <i>Measurement Science and Technology</i> , 2019, 30, 054003. | 1.4 | 12 |
| 68 | From MAX Phase Carbides to Nitrides: Synthesis of V_2GaC , V_2GaN , and the Carbonitride $\text{V}_2\text{GaC}_1\text{N}_x$. <i>Inorganic Chemistry</i> , 2022, 61, 10634-10641. | 1.9 | 11 |
| 69 | Single Crystal Structure of MnB_4 . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012, 638, 1608-1608. | 0.6 | 10 |
| 70 | Hydroborates from Liquid Ammonia: Synthesis and Crystal Structures of $[\text{Li}(\text{NH}_3)_4]_2[\text{B}_{12}\text{H}_{12}] \cdot 2\text{NH}_3$, $[\text{Rb}_2(\text{B}_{12}\text{H}_{12})] \cdot 8\text{NH}_3$, $[\text{Cs}_2(\text{B}_{12}\text{H}_{12})] \cdot 6\text{NH}_3$ and $[\text{Rb}_2(\text{B}_{10}\text{H}_{10})] \cdot 5\text{NH}_3$. <i>Inorganic Chemistry</i> , 2013, 52, 4692-4699. | 1.9 | 10 |
| 71 | Synthesis, spectroscopic studies, thermal analyses, biological activity of tridentate-coordinated transition-metal complexes $[\text{M}(\text{L})\text{X}_2]$ and crystal structure of $[\text{ZnBr}_2(2,6\text{-bis}(\text{tert-butylthiomethyl})\text{pyridine})]$. <i>Comptes Rendus Chimie</i> , 2015, 18, 619-625. | 0.2 | 10 |
| 72 | Application of Non-Precious Bifunctional Catalysts for Metal-Air Batteries. <i>Energy Technology</i> , 2021, 9, 2001106. | 1.8 | 10 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Zur solvensfreien Darstellung von Tetramethylammoniumsalzen: Synthese und Charakterisierung von $[\text{N}(\text{CH}_3)_4]_2[\text{C}_2\text{O}_4]$, $[\text{N}(\text{CH}_3)_4][\text{CO}_3(\text{CH}_3)]$, $[\text{N}(\text{CH}_3)_4][\text{NO}_2]$, $[\text{N}(\text{CH}_3)_4][\text{CO}_2\text{H}]$ und $[\text{N}(\text{CH}_3)_4][\text{O}_2\text{C}(\text{CH}_2)_2\text{CO}_2(\text{CH}_3)]$. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1995, 621, 1735-1740. | 0.6 | 9 |
| 74 | Crystal Structure of Bis(triethylammonium)closo-decahydrodecaborate, $[(\text{C}_2\text{H}_5)_3\text{NH}]_2[\text{B}_{10}\text{H}_{10}]$. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2000, 55, 499-503. | 0.3 | 9 |
| 75 | Die Kristallstruktur von Bortriiodid, BI_3 . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2001, 627, 809-810. | 0.6 | 9 |
| 76 | Low-temperature synthesis of nanoscale ferromagnetic MnB . Dalton Transactions, 2020, 49, 131-135. | 1.6 | 9 |
| 77 | Metallic Iron Nanocatalysts for the Selective Acetylene Hydrogenation under Industrial Front-End Conditions. ACS Sustainable Chemistry and Engineering, 2021, 9, 16570-16576. | 3.2 | 9 |
| 78 | Synthesis and Crystal Structure of Cesium Hexamminesodium Decahydro-closo-decaborate-Ammonia(1/1), $\text{Cs}[\text{Na}(\text{NH}_3)_6][\text{B}_{10}\text{H}_{10}]\cdot\frac{1}{2}\text{NH}_3$. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2005, 631, 152-154. | 0.6 | 8 |
| 79 | Das System Gd/Co/B: Darstellung und röntgenographische Charakterisierung von GdCo_4B , $\text{Gd}_3\text{Co}_{11}\text{B}_4$, GdCoB_4 und $\text{GdCo}_{12}\text{B}_6$. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2007, 633, 1603-1607. | 0.6 | 8 |
| 80 | Discovery of MnP_4 and the Polymorphism of Manganese Tetraphosphide. Inorganic Chemistry, 2015, 54, 8761-8768. | 1.9 | 8 |
| 81 | Efficient Oxygen Evolution Electrocatalyst by Incorporation of Nickel into Nanoscale Dicobalt Boride. ChemCatChem, 2021, 13, 1772-1780. | 1.8 | 8 |
| 82 | Darstellung und Struktur von $\text{U}_2\text{Ta}_6\text{O}_{19}$, einer neuen Verbindung mit "Jahnberg-Struktur", sowie Anmerkungen zu den ersten Oxidchloriden in den Systemen Th/Nb/O/Cl und Th/Zr(Hf)/Nb/O/Cl. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2000, 626, 2299-2306. | 0.6 | 7 |
| 83 | Ein ionenleitendes Natriumnickelborat, $\text{Na}_2\text{Ni}_2\text{B}_{12}\text{O}_{21}$, mit offener Kanalstruktur. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2004, 630, 2550-2553. | 0.6 | 7 |
| 84 | Oxygen stoichiometry of low-temperature synthesized metastable La_2CuO_4 . Superconductor Science and Technology, 2013, 26, 105026. | 1.8 | 7 |
| 85 | Oxygen-Functionalized Boron Nitride for the Oxidative Dehydrogenation of Propane "The Case for Supported Liquid Phase Catalysis. ChemCatChem, 2022, 14, . | 1.8 | 7 |
| 86 | Synthese, schwingungsspektroskopische Charakterisierung und Einkristallröntgenstrukturanalyse von Tetramethylammoniumcyanat $[\text{N}(\text{CH}_3)_4]\text{OCN}$. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1995, 621, 464-468. | 0.6 | 6 |
| 87 | Anhydrous lithium borate, $\text{Li}_3\text{B}_{11}\text{O}_{18}$, crystal structure, phase transition and thermal expansion. Zeitschrift Fur Kristallographie - Crystalline Materials, 2014, 229, 497-504. | 0.4 | 6 |
| 88 | Surface thermometry in combustion diagnostics by sputtered thin films of thermographic phosphors. Applied Physics B: Lasers and Optics, 2014, 117, 85-93. | 1.1 | 6 |
| 89 | Heterogeneously Catalyzed Hydrogenation of Supercritical CO_2 to Methanol. Chemical Engineering and Technology, 2017, 40, 1907-1915. | 0.9 | 6 |
| 90 | Electronic and magnetic ground state of MnB_4 . Journal of Alloys and Compounds, 2017, 695, 2149-2153. | 2.8 | 6 |

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|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 91 | Multiscale and luminescent, hollow microspheres for gas phase thermometry. Scientific Reports, 2018, 8, 602. | 1.6 | 6 |
| 92 | Activity, Selectivity and Initial Degradation of Iron Molybdate in the Oxidative Dehydrogenation of Ethanol. ChemCatChem, 2022, 14, . | 1.8 | 6 |
| 93 | Thermodynamic study of orthorhombic Tx and tetragonal $T\hat{\epsilon}^2$ lanthanum cuprate, La_2CuO_4 . Journal of Solid State Chemistry, 2013, 204, 91-94. | 1.4 | 5 |
| 94 | Thermoelectric Properties of p-Type Semiconducting NaB_5C with Hexaboride-Type Structure, Compared to Layered MB_2C_2 ($M = La, Ce$). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 2714-2716. | 0.6 | 5 |
| 95 | Fluoridcarbonate der Alkalimetalle. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1992, 607, 13-18. | 0.6 | 4 |
| 96 | Dependence of Phase Composition and Luminescence of $Sr_{[sub 6]BP[sub 5]O[sub 20]}$ on Eu Concentration. Journal of the Electrochemical Society, 2008, 155, 205. | 1.3 | 4 |
| 97 | Structural changes in metastable $\hat{I}^3-Na_2B_4O_7$ between $-150 \hat{A}^\circ C$ and $720 \hat{A}^\circ C$. Zeitschrift Fur Kristallographie - Crystalline Materials, 2013, 228, . | 0.4 | 4 |
| 98 | Temperature- and moisture-dependency of $CsLiB_6O_{10}$. A new phase, $\hat{I}^2-CsLiB_6O_{10}$. Zeitschrift Fur Kristallographie - Crystalline Materials, 2014, 229, . | 0.4 | 4 |
| 99 | Why does tetramethylammonium oxalate exhibit sublimation?. Journal of the Chemical Society Chemical Communications, 1993, , 965. | 2.0 | 3 |
| 100 | Co_2B als interessanter Katalysator in der Citralhydrierung. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 636, 2098-2098. | 0.6 | 3 |
| 101 | Low-temperature synthesis of freudenbergite-type titanate bronzes from metal halides, crystal growth from molybdate flux, and crystal structure determination of $Na_{1.84}Zn_{0.92}Ti_{7.08}O_{16}$. Journal of Alloys and Compounds, 2015, 644, 783-787. | 2.8 | 3 |
| 102 | Molecular dynamics simulation of crystal structure and heat capacity in perovskite-type molybdates $SrMoO_3$ and $BaMoO_3$. Computational Materials Science, 2021, 197, 110609. | 1.4 | 3 |
| 103 | Zur Existenz von Tetramethylammoniumamalgam. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2000, 626, 1892-1896. | 0.6 | 2 |
| 104 | Boron, borides, and related compounds: Proceedings of the 15th International Symposium on Boron, Borides, and Related Compounds (ISBB 05). Journal of Solid State Chemistry, 2006, 179, 2746. | 1.4 | 2 |
| 105 | Thermal $\hat{\epsilon}$ order-disorder $\hat{\epsilon}$ behaviour in $(Na_{1-x}K_x)_4B_8O_{14}$ solid solutions investigated by X-ray powder diffraction. Crystal Research and Technology, 2008, 43, 1150-1160. | 0.6 | 2 |
| 106 | Stabilisierung von La_2CuO_4 in der $T\hat{\epsilon}^2$ -Modifikation durch Dotierung. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 1613-1613. | 0.6 | 2 |
| 107 | Investigation of the acrolein oxidation on heteropolyacid catalysts by transient response methods. Catalysis Science and Technology, 2020, 10, 5231-5244. | 2.1 | 2 |
| 108 | Chemie und Licht: Eine weihnachtliche Experimentalvorlesung. Chemie in Unserer Zeit, 2001, 35, 390-401. | 0.1 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 109 | Vorstandssitzung. Nachrichten Aus Der Chemie, 2009, 57, 461-462. | 0.0 | 1 |
| 110 | Metal-to-metal charge transfer emission, its mechanism and quenching in Y ₂ Sn ₂ O ₇ :Ce ³⁺ . Journal of Alloys and Compounds, 2017, 723, 30-35. | 2.8 | 1 |
| 111 | The Structure Chemistry of Boron-Rich Solids of the Alkali Metals. European Journal of Inorganic Chemistry, 2000, 2000, 1679-1685. | 1.0 | 1 |
| 112 | Room-Temperature Synthesis of Metal Borides.. ChemInform, 2003, 34, no. | 0.1 | 0 |
| 113 | Ion-Conducting Sodium Nickel Borate, Na ₂ Ni ₂ B ₁₂ O ₂₁ , with an Open Channel Structure.. ChemInform, 2005, 36, no. | 0.1 | 0 |
| 114 | Synthesis and Crystal Structure of Cesium Hexamminesodium Decahydro-closo-decaborate-Ammonia(1/1), Cs[Na(NH ₃) ₆] [B ₁₀ H ₁₀] ⁻ NH ₃ .. ChemInform, 2005, 36, no-no. | 0.1 | 0 |
| 115 | High-Pressure Synthesis of δ -PbO ₂ and Its Crystal Structure at 293, 203, and 113 K from Single Crystal Diffraction Data.. ChemInform, 2006, 37, no. | 0.1 | 0 |
| 116 | Characterization of <i>in situ</i> nickel and iron borides with EXAFS and ICP-OES. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2008, 634, 2026-2026. | 0.6 | 0 |
| 117 | Crystal Growth and Structures of Li _{3.5} REIII _{1.5} (MoO ₄) ₄ (REIII: Pr, Nd, Sm-Lu). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 1609-1609. | 0.6 | 0 |
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