

Pascal Schouwink

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,563
citations

430874

18
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552781

26
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29
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docs citations

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times ranked

1997
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Metal borohydrides and derivatives – synthesis, structure and properties. <i>Chemical Society Reviews</i> , 2017, 46, 1565-1634. | 38.1 | 320 |
| 2 | Structure and properties of complex hydride perovskite materials. <i>Nature Communications</i> , 2014, 5, 5706. | 12.8 | 168 |
| 3 | The Many Faces of Mixed Ion Perovskites: Unraveling and Understanding the Crystallization Process. <i>ACS Energy Letters</i> , 2017, 2, 2686-2693. | 17.4 | 154 |
| 4 | Nanocrystal/Metal-Organic Framework Hybrids as Electrocatalytic Platforms for CO ₂ Conversion. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12632-12639. | 13.8 | 112 |
| 5 | Spinel Structural Disorder Influences Solar-Water-Splitting Performance of ZnFe ₂ O ₄ Nanorod Photoanodes. <i>Advanced Materials</i> , 2018, 30, e1801612. | 21.0 | 111 |
| 6 | Superionic Conduction of Sodium and Lithium in Anion-Mixed Hydroborates Na ₃ BH ₄ B ₁₂ H ₁₂ and (Li _{0.7} Na _{0.3}) ₃ BH ₄ B ₁₂ H ₁₂ . <i>Advanced Energy Materials</i> , 2015, 5, 1501016. | 19.5 | 102 |
| 7 | A mixed anion hydroborate/carba-hydroborate as a room temperature Na-ion solid electrolyte. <i>Journal of Power Sources</i> , 2018, 404, 7-12. | 7.8 | 72 |
| 8 | Bimetallic Borohydrides in the System $M_2(BH_4)_2 \cdot KBH_4$ ($M = Mg, Mn$): On the Structural Diversity. <i>Journal of Physical Chemistry C</i> , 2012, 116, 10829-10840. | 3.1 | 69 |
| 9 | Modified Anion Packing of Na ₂ B ₁₂ H ₁₂ in Close to Room Temperature Superionic Conductors. <i>Inorganic Chemistry</i> , 2017, 56, 5006-5016. | 4.0 | 55 |
| 10 | The crystal chemistry of inorganic metal borohydrides and their relation to metal oxides. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2015, 71, 619-640. | 1.1 | 53 |
| 11 | Novel solvates $M(BH_4)_3S(CH_3)_2$ and properties of halide-free $M(BH_4)_3$ ($M = Y$ or Gd). <i>Dalton Transactions</i> , 2014, 43, 13333-13342. | 3.3 | 52 |
| 12 | Trimetallic Borohydride $Li_3MZn_5(BH_4)_{15}$ ($M = Mg$). <i>Tj ETQq0 0 0 rgBT /Qverlock 10</i> | 4.0 | 51 |
| 13 | Structural and magnetocaloric properties of novel gadolinium borohydrides. <i>Journal of Alloys and Compounds</i> , 2016, 664, 378-384. | 5.5 | 45 |
| 14 | Potassium Zinc Borohydrides Containing Triangular $[Zn(BH_4)_3]^{+}$ and Tetrahedral $[Zn(BH_4)_4]^{2-}$ Anions. <i>Journal of Physical Chemistry C</i> , 2012, 116, 1563-1571. | 3.1 | 34 |
| 15 | Alkali metal – yttrium borohydrides: The link between coordination of small and large rare-earth. <i>Journal of Solid State Chemistry</i> , 2015, 225, 231-239. | 2.9 | 27 |
| 16 | Chemical transformations at the nanoscale: nanocrystal-seeded synthesis of β -Cu ₂ V ₂ O ₇ with enhanced photoconversion efficiencies. <i>Chemical Science</i> , 2018, 9, 5658-5665. | 7.4 | 27 |
| 17 | Nanocrystal/Metal-Organic Framework Hybrids as Electrocatalytic Platforms for CO ₂ Conversion. <i>Angewandte Chemie</i> , 2019, 131, 12762-12769. | 2.0 | 23 |
| 18 | Synthesis and thermal stability of perovskite alkali metal strontium borohydrides. <i>Dalton Transactions</i> , 2016, 45, 831-840. | 3.3 | 19 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Increasing Hydrogen Density with the Cation-Anion Pair BH_4^- - NH_4^+ in Perovskite-Type $\text{NH}_4\text{Ca}(\text{BH}_4)_3$. <i>Energies</i> , 2015, 8, 8286-8299. | 3.1 | 16 |
| 20 | An <i>in situ</i> Neutron Diffraction and DFT Study of Hydrogen Adsorption in a Sodalite-Type Metal-Organic Framework, Cu_3BTC . <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 1147-1154. | 2.0 | 15 |
| 21 | Role of the Li^+ node in the Li-BH_4 substructure of double-cation tetrahydroborates. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2014, 70, 871-878. | 1.1 | 10 |
| 22 | Benzodithiophene-Based Spacers for Layered and Quasi-Layered Lead Halide Perovskite Solar Cells. <i>ChemSusChem</i> , 2021, 14, 3001-3009. | 6.8 | 8 |
| 23 | Bis(arylimidazole) Iridium Picolinate Emitters and Preferential Dipole Orientation in Films. <i>ACS Omega</i> , 2018, 3, 2673-2682. | 3.5 | 6 |
| 24 | Nuclear Magnetic Resonance Study of Atomic Motion in Bimetallic Perovskite-Type Borohydrides $\text{ACa}(\text{BH}_4)_3$ (A = K, Rb, or Cs). <i>Journal of Physical Chemistry C</i> , 2015, 119, 19689-19696. | 3.1 | 5 |
| 25 | Flux-assisted single crystal growth and heteroepitaxy of perovskite-type mixed-metal borohydrides. <i>CrystEngComm</i> , 2015, 17, 2682-2689. | 2.6 | 4 |
| 26 | Thermodynamic stability screening of IR-photonic processed multication halide perovskite thin films. <i>Journal of Materials Chemistry A</i> , 2021, 9, 26885-26895. | 10.3 | 4 |