

Tiange Bi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/414491/publications.pdf>

Version: 2024-02-01

19
papers

647
citations

932766

10
h-index

839053

18
g-index

20
all docs

20
docs citations

20
times ranked

587
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | High-temperature superconductivity in alkaline and rare earth polyhydrides at high pressure: A theoretical perspective. <i>Journal of Chemical Physics</i> , 2019, 150, 050901. | 1.2 | 126 |
| 2 | Decomposition Products of Phosphine Under Pressure: PH_2 Stable and Superconducting?. <i>Journal of the American Chemical Society</i> , 2016, 138, 1884-1892. | 6.6 | 102 |
| 3 | superconductivity via CH_4 -intercalated | 1.1 | 98 |
| 4 | The 2021 room-temperature superconductivity roadmap. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 183002. | 0.7 | 79 |
| 5 | Effects of Nonhydrostatic Stress on Structural and Optoelectronic Properties of Methylammonium Lead Bromide Perovskite. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 3457-3465. | 2.1 | 53 |
| 6 | The Search for Superconductivity in High Pressure Hydrides. , 2019, , . | | 27 |
| 7 | Superconducting Phases of Phosphorus Hydride Under Pressure: Stabilization by Mobile Molecular Hydrogen. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10192-10195. | 7.2 | 27 |
| 8 | Crystal Structures and Properties of Iron Hydrides at High Pressure. <i>Journal of Physical Chemistry C</i> , 2018, 122, 24262-24269. | 1.5 | 24 |
| 9 | A Metastable CaSH_3 Phase Composed of HS Honeycomb Sheets that is Superconducting Under Pressure. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 9629-9636. | 2.1 | 23 |
| 10 | Materials under high pressure: a chemical perspective. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, 1. | 1.1 | 15 |
| 11 | Superconducting Phases of Phosphorus Hydride Under Pressure: Stabilization by Mobile Molecular Hydrogen. <i>Angewandte Chemie</i> , 2017, 129, 10326-10329. | 1.6 | 13 |
| 12 | Electronic Structure and Superconductivity of Compressed Metal Tetrahydrides. <i>Chemistry - A European Journal</i> , 2021, 27, 14858-14870. | 1.7 | 11 |
| 13 | RbB_3Si_3 : An Alkali Metal Borosilicide that is Metastable and Superconducting at 1 atm. <i>Journal of Physical Chemistry C</i> , 2020, 124, 14826-14831. | 1.5 | 9 |
| 14 | Predicted crystal structures of titanium nitrides at high pressures. <i>Computational Materials Science</i> , 2020, 180, 109720. | 1.4 | 9 |
| 15 | Dilute carbon in H_3S under pressure. <i>Npj Computational Materials</i> , 2022, 8, . | 3.5 | 9 |
| 16 | A First-Principles Exploration of Na_xS_y Binary Phases at 1 atm and Under Pressure. <i>Crystals</i> , 2019, 9, 441. | 1.0 | 8 |
| 17 | Structural Diversity and Superconductivity in S^{H} Ternary Hydrides under Pressure. <i>Journal of Physical Chemistry C</i> , 2022, 126, 7208-7220. | 1.5 | 8 |
| 18 | The Ideal Crystal Structure of Cristobalite X-I: A Bridge in SiO_2 Densification. <i>Journal of Physical Chemistry C</i> , 2018, 122, 17437-17446. | 1.5 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | The Li-F-H ternary system at high pressures. <i>Journal of Chemical Physics</i> , 2021, 154, 124709. | 1.2 | 2 |