

Shi-Chang Li

List of Publications by Year in descending order

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14
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| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Structural, magnetic, and dynamic properties of PuH ₂ + (x= 0, 0.25, 0.5, 0.75, 1): A hybrid density functional study. International Journal of Hydrogen Energy, 2017, 42, 30727-30737. | 7.1 | 17 |
| 2 | Novel Phase of AlN ₄ as a Possible Superhard Material. Journal of Physical Chemistry C, 2018, 122, 22660-22666. | 3.1 | 17 |
| 3 | New insight into the structure of PuGaO ₃ from <i>ab initio</i> particle-swarm optimization methodology. Journal of Materials Chemistry A, 2018, 6, 22798-22808. | 10.3 | 16 |
| 4 | New Insights into the Crystal Structures of Plutonium Hydrides from First-Principles Calculations. Journal of Physical Chemistry C, 2018, 122, 10103-10112. | 3.1 | 15 |
| 5 | Theoretical investigations on the $\hat{\pm}$ -LiAlO ₂ properties via first-principles calculation. Fusion Engineering and Design, 2016, 113, 324-330. | 1.9 | 12 |
| 6 | Theoretical Study of the Feasibility of Laser Cooling the ²⁴ Mg ³⁵ Cl Molecule Including Hyperfine Structure and Branching Ratios. Journal of Physical Chemistry A, 2018, 122, 3021-3030. | 2.5 | 10 |
| 7 | Phase Diagram and Bonding States of Pu-H Binary Compounds at High Pressures. Journal of Physical Chemistry C, 2020, 124, 7361-7369. | 3.1 | 8 |
| 8 | Pressure-Stabilized Zinc Trifluoride. Journal of Physical Chemistry Letters, 2020, 11, 2854-2858. | 4.6 | 7 |
| 9 | Theoretical prediction of some layered Pa ₂ O ₅ phases: structure and properties. RSC Advances, 2019, 9, 31398-31405. | 3.6 | 4 |
| 10 | The structural, electronic, and optical properties of NpO ₂ and PuO ₂ : a hybrid density-functional-theory study. European Physical Journal B, 2015, 88, 1. | 1.5 | 2 |
| 11 | First-principles study of structures, electronic and elastic properties of LaNi ₅ ~Fe (x: 0.25~1.25). Journal of Molecular Graphics and Modelling, 2019, 90, 258-264. | 2.4 | 2 |
| 12 | Density functional investigation of fluorite-based Pa ₂ O ₅ phases: Structure and properties. Chinese Journal of Physics, 2020, 64, 115-122. | 3.9 | 2 |
| 13 | Pressure-induced evolution of crystal and electronic structure of neptunium hydrides. Physical Chemistry Chemical Physics, 2022, 24, 4916-4924. | 2.8 | 0 |
| 14 | New Insights into Phase Separation of Cerium Hydrides under Pressure. ACS Omega, 2022, 7, 15681-15687. | 3.5 | 0 |