

Xingfeng He

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

6,492
citations

516215

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794141

19
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20
all docs

20
docs citations

20
times ranked

5930
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Li ₁₅ P ₄ S ₁₆ Cl ₃ , a Lithium Chlorothiophosphate as a Solid-State Ionic Conductor. <i>Inorganic Chemistry</i> , 2020, 59, 226-234. | 1.9 | 9 |
| 2 | Crystal Structural Framework of Lithium Superionic Conductors. <i>Advanced Energy Materials</i> , 2019, 9, 1902078. | 10.2 | 93 |
| 3 | Computation-Guided Design of LiTaSiO ₅ , a New Lithium Ionic Conductor with Spheue Structure. <i>Advanced Energy Materials</i> , 2019, 9, 1803821. | 10.2 | 35 |
| 4 | Unsupervised discovery of solid-state lithium ion conductors. <i>Nature Communications</i> , 2019, 10, 5260. | 5.8 | 150 |
| 5 | Lithium Superionic Conductors: Crystal Structural Framework of Lithium Superionic Conductors (Adv. Energy Mater. 43/2019). <i>Advanced Energy Materials</i> , 2019, 9, 1970169. | 10.2 | 2 |
| 6 | Statistical variances of diffusional properties from ab initio molecular dynamics simulations. <i>Npj Computational Materials</i> , 2018, 4, . | 3.5 | 240 |
| 7 | First-Principles Study of Oxyhydride H ⁻ Ion Conductors: Toward Facile Anion Conduction in Oxide-Based Materials. <i>ACS Applied Energy Materials</i> , 2018, 1, 1626-1634. | 2.5 | 26 |
| 8 | First principles hybrid functional study of small polarons in doped SrCeO ₃ perovskite: towards computation design of materials with tailored polaron. <i>Ionics</i> , 2018, 24, 1139-1151. | 1.2 | 12 |
| 9 | Computation-Accelerated Design of Materials and Interfaces for All-Solid-State Lithium-Ion Batteries. <i>Joule</i> , 2018, 2, 2016-2046. | 11.7 | 266 |
| 10 | Strategies Based on Nitride Materials Chemistry to Stabilize Li Metal Anode. <i>Advanced Science</i> , 2017, 4, 1600517. | 5.6 | 185 |
| 11 | Origin of fast ion diffusion in super-ionic conductors. <i>Nature Communications</i> , 2017, 8, 15893. | 5.8 | 570 |
| 12 | Negating interfacial impedance in garnet-based solid-state Li metal batteries. <i>Nature Materials</i> , 2017, 16, 572-579. | 13.3 | 1,583 |
| 13 | Electrochemical Stability of Li ₁₀ GeP ₂ S ₁₂ and Li ₇ La ₃ Zr ₂ O ₁₂ Solid Electrolytes. <i>Advanced Energy Materials</i> , 2016, 6, 1501590. | 10.2 | 781 |
| 14 | First principles study on electrochemical and chemical stability of solid electrolyte-electrode interfaces in all-solid-state Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 3253-3266. | 5.2 | 748 |
| 15 | Accelerated materials design of Na _{0.5} Bi _{0.5} TiO ₃ oxygen ionic conductors based on first principles calculations. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 18035-18044. | 1.3 | 104 |
| 16 | Origin of Outstanding Stability in the Lithium Solid Electrolyte Materials: Insights from Thermodynamic Analyses Based on First-Principles Calculations. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 23685-23693. | 4.0 | 1,314 |
| 17 | Hybrid super-aligned carbon nanotube/carbon black conductive networks: A strategy to improve both electrical conductivity and capacity for lithium ion batteries. <i>Journal of Power Sources</i> , 2013, 233, 209-215. | 4.0 | 66 |
| 18 | Enhanced rate capabilities of Co ₃ O ₄ /carbon nanotube anodes for lithium ion battery applications. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11121. | 5.2 | 50 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Superaligned Carbon Nanotube Films as Current Collectors for Lightweight and Flexible Lithium Ion Batteries. <i>Advanced Functional Materials</i> , 2013, 23, 846-853. | 7.8 | 258 |