Xingfeng He

List of Publications by Year in descending order

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19	6,492	516710 16	794594 19
papers	citations	h-index	g-index

20	20	20	5930
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Li₁₅P₄S₁₆Cl₃, a Lithium Chlorothiophosphate as a Solid-State Ionic Conductor. Inorganic Chemistry, 2020, 59, 226-234.	4.0	9
2	Crystal Structural Framework of Lithium Superâ€Ionic Conductors. Advanced Energy Materials, 2019, 9, 1902078.	19.5	93
3	Computationâ€Guided Design of LiTaSiO₅, a New Lithium Ionic Conductor with Sphene Structure. Advanced Energy Materials, 2019, 9, 1803821.	19.5	35
4	Unsupervised discovery of solid-state lithium ion conductors. Nature Communications, 2019, 10, 5260.	12.8	150
5	Lithium Superâ€Ionic Conductors: Crystal Structural Framework of Lithium Superâ€Ionic Conductors (Adv. Energy Mater. 43/2019). Advanced Energy Materials, 2019, 9, 1970169.	19.5	2
6	Statistical variances of diffusional properties from ab initio molecular dynamics simulations. Npj Computational Materials, 2018, 4, .	8.7	240
7	First-Principles Study of Oxyhydride Hâ€“ Ion Conductors: Toward Facile Anion Conduction in Oxide-Based Materials. ACS Applied Energy Materials, 2018, 1, 1626-1634.	5.1	26
8	First principles hybrid functional study of small polarons in doped SrCeO3 perovskite: towards computation design of materials with tailored polaron. Ionics, 2018, 24, 1139-1151.	2.4	12
9	Computation-Accelerated Design of Materials and Interfaces for All-Solid-State Lithium-Ion Batteries. Joule, 2018, 2, 2016-2046.	24.0	266
10	Strategies Based on Nitride Materials Chemistry to Stabilize Li Metal Anode. Advanced Science, 2017, 4, 1600517.	11.2	185
11	Origin of fast ion diffusion in super-ionic conductors. Nature Communications, 2017, 8, 15893.	12.8	570
12	Negating interfacial impedance in garnet-based solid-state Li metal batteries. Nature Materials, 2017, 16, 572-579.	27.5	1,583
13	Electrochemical Stability of Li₁₀GeP₂S₁₂ and Li₇La₃Zr₂O₁₂ Solid Electrolytes. Advanced Energy Materials, 2016, 6, 1501590.	19.5	781
14	First principles study on electrochemical and chemical stability of solid electrolyteâ€“electrode interfaces in all-solid-state Li-ion batteries. Journal of Materials Chemistry A, 2016, 4, 3253-3266.	10.3	748
15	Accelerated materials design of Na_{0.5}Bi_{0.5}TiO₃ oxygen ionic conductors based on first principles calculations. Physical Chemistry Chemical Physics, 2015, 17, 18035-18044.	2.8	104
16	Origin of Outstanding Stability in the Lithium Solid Electrolyte Materials: Insights from Thermodynamic Analyses Based on First-Principles Calculations. ACS Applied Materials & Interfaces, 2015, 7, 23685-23693.	8.0	1,314
17	Hybrid super-aligned carbon nanotube/carbon black conductive networks: AÂstrategy to improve both electrical conductivity and capacity for lithium ionÂbatteries. Journal of Power Sources, 2013, 233, 209-215.	7.8	66
18	Enhanced rate capabilities of Co3O4/carbon nanotube anodes for lithium ion battery applications. Journal of Materials Chemistry A, 2013, 1, 11121.	10.3	50

#	Article	IF	Citations
19	Superâ€Aligned Carbon Nanotube Films as Current Collectors for Lightweight and Flexible Lithium Ion Batteries. Advanced Functional Materials, 2013, 23, 846-853.	14.9	258