

Chia-Chin Chen

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

926
citations

758635

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713013

21
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docs citations

22
times ranked

1645
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Discrete Modeling of Ionic Space Charge Zones in Solids. <i>Physical Chemistry Chemical Physics</i> , 2022, , . | 1.3 | 0 |
| 2 | Fictitious phase separation in Li layered oxides driven by electro-autocatalysis. <i>Nature Materials</i> , 2021, 20, 991-999. | 13.3 | 101 |
| 3 | Electro-chemo-mechanical charge carrier equilibrium at interfaces. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 23730-23740. | 1.3 | 2 |
| 4 | Decoupling electron and ion storage and the path from interfacial storage to artificial electrodes. <i>Nature Energy</i> , 2018, 3, 102-108. | 19.8 | 75 |
| 5 | Kinetics of Space Charge Storage in Composites. <i>Advanced Functional Materials</i> , 2018, 28, 1705999. | 7.8 | 12 |
| 6 | Interfacial mass storage in nanocomposites. <i>Solid State Ionics</i> , 2018, 318, 54-59. | 1.3 | 17 |
| 7 | Spring-Like Pseudoelasticity of Monocrystalline Cu ₂ S Nanowire. <i>Nano Letters</i> , 2018, 18, 5070-5077. | 4.5 | 11 |
| 8 | Increased Storage through Heterogeneous Doping. <i>Chemistry of Materials</i> , 2018, 30, 5041-5049. | 3.2 | 4 |
| 9 | Space charge storage in composites: thermodynamics. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 6379-6396. | 1.3 | 29 |
| 10 | Anode modeling of a molten-carbonate based direct carbon fuel cell. <i>Journal of Power Sources</i> , 2017, 353, 312-322. | 4.0 | 17 |
| 11 | A High Power "High Energy Na ₃ V ₂ (PO ₄) ₂ F ₃ Sodium Cathode: Investigation of Transport Parameters, Rational Design and Realization. <i>Chemistry of Materials</i> , 2017, 29, 5207-5215. | 3.2 | 141 |
| 12 | Synergistic silver storage in the composite RbAg ₄ I ₅ :graphite: Thermodynamics and kinetics. <i>Solid State Ionics</i> , 2017, 312, 97-105. | 1.3 | 2 |
| 13 | Microscopic Dynamics of Li ⁺ in Rutile TiO ₂ Revealed by 8Li ² -Detected Nuclear Magnetic Resonance. <i>Chemistry of Materials</i> , 2017, 29, 10187-10197. | 3.2 | 13 |
| 14 | Synergistic, ultrafast mass storage and removal in artificial mixed conductors. <i>Nature</i> , 2016, 536, 159-164. | 13.7 | 104 |
| 15 | Phase evolution in single-crystalline LiFePO ₄ followed by in situ scanning X-ray microscopy of a micrometre-sized battery. <i>Nature Communications</i> , 2015, 6, 6045. | 5.8 | 72 |
| 16 | Nanosheets of Earth-Abundant Jarosite as Novel Anodes for High-Rate and Long-Life Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 10518-10524. | 4.0 | 15 |
| 17 | Thermodynamics of Lithium Storage at Abrupt Junctions: Modeling and Experimental Evidence. <i>Physical Review Letters</i> , 2014, 112, . | 2.9 | 64 |
| 18 | Ge/C Nanowires as High-Capacity and Long-Life Anode Materials for Li-Ion Batteries. <i>ACS Nano</i> , 2014, 8, 7051-7059. | 7.3 | 198 |

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|----|--|-----|-----------|
| 19 | Free-standing Ag/C coaxial hybrid electrodes as anodes for Li-ion batteries. <i>Nanoscale</i> , 2013, 5, 11568. | 2.8 | 9 |
| 20 | Wetting Behavior of Carbon in Molten Carbonate. <i>Journal of the Electrochemical Society</i> , 2012, 159, D597-D604. | 1.3 | 23 |
| 21 | Scientific and technical maturity of molten carbonate technology. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 19280-19288. | 3.8 | 12 |
| 22 | Mathematical Model of Carbon Corrosion in a Direct Carbon Fuel Cell. <i>ECS Transactions</i> , 2010, 28, 31-43. | 0.3 | 5 |