

# Christopher L Berhaut

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3388936/publications.pdf>

Version: 2024-02-01

10  
papers

332  
citations

1163117

8  
h-index

1372567

10  
g-index

10  
all docs

10  
docs citations

10  
times ranked

469  
citing authors

| #  | ARTICLE                                                                                                                                                                                                       | IF   | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1  | (De)Lithiation and Strain Mechanism in Crystalline Ge Nanoparticles. ACS Nano, 2022, 16, 9819-9829.                                                                                                           | 14.6 | 8         |
| 2  | Multi-scale quantification and modeling of aged nanostructured silicon-based composite anodes. Communications Chemistry, 2020, 3, .                                                                           | 4.5  | 30        |
| 3  | Nano-Structured Composite Anode Enabling Long-Term Cycling Stability for High-Capacity Lithium-Ion Batteries. Small, 2020, 16, e1906812.                                                                      | 10.0 | 37        |
| 4  | Prelithiation of silicon/graphite composite anodes: Benefits and mechanisms for long-lasting Li-Ion batteries. Energy Storage Materials, 2020, 29, 190-197.                                                   | 18.0 | 63        |
| 5  | Best Performing SiGe/Si Core-Shell Nanoparticles Synthesized in One Step for High Capacity Anodes. Batteries and Supercaps, 2019, 2, 970-978.                                                                 | 4.7  | 8         |
| 6  | Multiscale Multiphase Lithiation and Delithiation Mechanisms in a Composite Electrode Unraveled by Simultaneous <i>Operando</i> Small-Angle and Wide-Angle X-Ray Scattering. ACS Nano, 2019, 13, 11538-11551. | 14.6 | 40        |
| 7  | A new solvent mixture for use of LiTfD as electrolyte salt in Li-ion batteries. Electrochimica Acta, 2019, 305, 534-546.                                                                                      | 5.2  | 10        |
| 8  | Ionic association analysis of LiTfD, LiFSI and LiPF <sub>6</sub> in EC/DMC for better Li-ion battery performances. RSC Advances, 2019, 9, 4599-4608.                                                          | 3.6  | 58        |
| 9  | LiTfD as electrolyte salt for Li-ion batteries: transport properties in EC/DMC. Electrochimica Acta, 2015, 180, 778-787.                                                                                      | 5.2  | 48        |
| 10 | Sorption of Aromatic Compounds with Copolymer Sorbent Materials Containing $\beta$ -Cyclodextrin. Materials, 2011, 4, 1528-1542.                                                                              | 2.9  | 30        |