

# Aziz Abdellahi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1459483/publications.pdf>

Version: 2024-02-01

14  
papers

987  
citations

840776

11  
h-index

1058476

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

1698  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Impact of cell variability on pack statistics for different vehicle segments. Journal of Power Sources, 2021, 508, 230246.   | 7.8  | 4         |
| 2  | The effect of surface-bulk potential difference on the kinetics of intercalation in core-shell active cathode particles. Journal of Power Sources, 2018, 382, 30-37.                             | 7.8  | 7         |
| 3  | Localized concentration reversal of lithium during intercalation into nanoparticles. Science Advances, 2018, 4, eaao2608.  | 10.3 | 50        |
| 4  | Electronic-Structure Origin of Cation Disorder in Transition-Metal Oxides. Physical Review Letters, 2017, 119, 176402.   | 7.8  | 135       |
| 5  | Computational Design and Preparation of Cation-Disordered Oxides for High-Energy-Density Li-Ion Batteries. Advanced Energy Materials, 2016, 6, 1600488.  | 19.5 | 93        |
| 6  | The Effect of Cation Disorder on the Average Li Intercalation Voltage of Transition-Metal Oxides. Chemistry of Materials, 2016, 28, 3659-3665.   | 6.7  | 62        |
| 7  | Lithium Batteries: Computational Design and Preparation of Cation-Disordered Oxides for High-Energy-Density Li-Ion Batteries (Adv. Energy Mater. 15/2016). Advanced Energy Materials, 2016, 6, . | 19.5 | 0         |
| 8  | Understanding the Effect of Cation Disorder on the Voltage Profile of Lithium Transition-Metal Oxides. Chemistry of Materials, 2016, 28, 5373-5383.  | 6.7  | 79        |
| 9  | Effect of a Size-Dependent Equilibrium Potential on Nano-LiFePO <sub>4</sub> Particle Interactions. Journal of the Electrochemical Society, 2015, 162, A1718-A1724.                              | 2.9  | 29        |
| 10 | The Intercalation Phase Diagram of Mg in V <sub>2</sub> O <sub>5</sub> from First-Principles. Chemistry of Materials, 2015, 27, 3733-3742.   | 6.7  | 130       |
| 11 | Kinetics of Nanoparticle Interactions in Battery Electrodes. Journal of the Electrochemical Society, 2015, 162, A965-A973.   | 2.9  | 28        |
| 12 | Architecture Dependence on the Dynamics of Nano-LiFePO <sub>4</sub> Electrodes. Electrochimica Acta, 2014, 137, 245-257.   | 5.2  | 43        |
| 13 | Particle-size and morphology dependence of the preferred interface orientation in LiFePO <sub>4</sub> nano-particles. Journal of Materials Chemistry A, 2014, 2, 15437-15447.                    | 10.3 | 45        |
| 14 | A Critical Review of the Li Insertion Mechanisms in LiFePO <sub>4</sub> Electrodes. Journal of the Electrochemical Society, 2013, 160, A3179-A3197.  | 2.9  | 280       |