

# David A Santos

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9605431/publications.pdf>

Version: 2024-02-01

10  
papers

385  
citations

1163117

8  
h-index

1474206

9  
g-index

12  
all docs

12  
docs citations

12  
times ranked

624  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Cation reordering instead of phase transitions: Origins and implications of contrasting lithiation mechanisms in 1D $\text{Li}_x\text{V}_2\text{O}_5$ and 2D $\text{Li}_x\text{V}_2\text{O}_5$ . Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, . | 7.1  | 11        |
| 2  | A deep learned nanowire segmentation model using synthetic data augmentation. Npj Computational Materials, 2022, 8, .  | 8.7  | 11        |
| 3  | Punching above its weight: life cycle energy accounting and environmental assessment of vanadium microalloying in reinforcement bar steel. Environmental Sciences: Processes and Impacts, 2021, 23, 275-290.   | 3.5  | 7         |
| 4  | A chemo-mechanical damage model at large deformation: numerical and experimental studies on polycrystalline energy materials. International Journal of Solids and Structures, 2021, 228, 111099.   | 2.7  | 20        |
| 5  | Assessing the role of vanadium technologies in decarbonizing hard-to-abate sectors and enabling the energy transition. IScience, 2021, 24, 103277.   | 4.1  | 12        |
| 6  | Mapping mechanisms and growth regimes of magnesium electrodeposition at high current densities. Materials Horizons, 2020, 7, 843-854.  | 12.2 | 77        |
| 7  | Bending good beats breaking bad: phase separation patterns in individual cathode particles upon lithiation and delithiation. Materials Horizons, 2020, 7, 3275-3290.   | 12.2 | 14        |
| 8  | Formation of Magnesium Dendrites during Electrodeposition. ACS Energy Letters, 2019, 4, 375-376.   | 17.4 | 221       |
| 9  | Tuning the excited state properties of ruthenium(II) complexes with a 4-substituted pyridine ligand. Inorganica Chimica Acta, 2016, 450, 23-29.  | 2.4  | 12        |
| 10 | Synthesis, crystal structure, electrochemical properties, and photophysical characterization of ruthenium(II) 4,4'-dimethoxy-2,2'-bipyridine polypyridine complexes. Journal of Coordination Chemistry, 0, , 1-12.   | 2.2  | 0         |