

# 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	Formation of Magnesium Dendrites during Electrodeposition. ACS Energy Letters, 2019, 4, 375-376.	17.4	221
2	Mapping mechanisms and growth regimes of magnesium electrodeposition at high current densities. Materials Horizons, 2020, 7, 843-854.	12.2	77
3	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
4	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
5	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
6	Assessing the role of vanadium technologies in decarbonizing hard-to-abate sectors and enabling the energy transition. IScience, 2021, 24, 103277.	4.1	12
7	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
8	A deep learned nanowire segmentation model using synthetic data augmentation. Npj Computational Materials, 2022, 8, .	8.7	11
9	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
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