

# Min Sik Park

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8840516/publications.pdf>

Version: 2024-02-01

26  
papers

828  
citations

567281

15  
h-index

610901

24  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1605  
citing authors

#	ARTICLE	IF	CITATIONS
1	Valid, Plausible, and Diverse Retrosynthesis Using Tied Two-Way Transformers with Latent Variables. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 123-133.	5.4	30
2	Data undersampling models for the efficient rule-based retrosynthetic planning. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 26510-26518.	2.8	1
3	l-Tryptophan: Antioxidant as a Film-Forming Additive for a High-Voltage Cathode. <i>Langmuir</i> , 2020, 36, 2823-2828.	3.5	2
4	Reductive reactions <i>via</i> excess Li in mixture electrolytes of Li ion batteries: an <i>ab initio</i> molecular dynamics study. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 5489-5498.	2.8	9
5	Attribute driven inverse materials design using deep learning Bayesian framework. <i>Npj Computational Materials</i> , 2019, 5, .	8.7	29
6	Spontaneous pseudo-topological silicon quantization for redesigned Si-based Li-ion batteries. <i>Nano Energy</i> , 2019, 56, 875-883.	16.0	19
7	Highly Soluble Tris(2,2'-bipyridine) Metal Bis(trifluoromethanesulfonyl)imide Complexes for High Energy Organic Redox Flow Batteries. <i>Journal of the Electrochemical Society</i> , 2018, 165, A215-A219.	2.9	18
8	Empirical Relationship between Chemical Structure and Redox Properties: Mathematical Expressions Connecting Structural Features to Energies of Frontier Orbitals and Redox Potentials for Organic Molecules. <i>Journal of Physical Chemistry C</i> , 2018, 122, 11322-11333.	3.1	15
9	Tetrathiafulvalene as a Conductive Film-Making Additive on High-Voltage Cathode. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 3590-3595.	8.0	12
10	A search map for organic additives and solvents applicable in high-voltage rechargeable batteries. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 26807-26815.	2.8	18
11	Numerical predictions and experimental verification of Li-O <sub>2</sub> battery capacity limits for cathodes with spherical conductors and solid electrolytes. <i>Journal of Power Sources</i> , 2016, 331, 122-131.	7.8	16
12	Keggin-type Polyoxometalates as Bidirectional Redox Mediators for Rechargeable Batteries. <i>Electrochemistry</i> , 2016, 84, 882-886.	1.4	18
13	Computational comparison of oxidation stability: Solvent/salt monomers vs solvent-solvent/salt pairs. <i>Journal of Power Sources</i> , 2015, 288, 393-400.	7.8	22
14	Effective passivation of a high-voltage positive electrode by 5-hydroxy-1H-indazole additives. <i>Journal of Materials Chemistry A</i> , 2014, 2, 14628-14633.	10.3	21
15	First-principles study of native point defects in LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> and Li <sub>2</sub> MnO <sub>3</sub> . <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 16798.	2.8	20
16	Design of novel additives and nonaqueous solvents for lithium-ion batteries through screening of cyclic organic molecules: an <i>ab initio</i> study of redox potentials. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 22391-22398.	2.8	23
17	A Highly Reversible Lithium Metal Anode. <i>Scientific Reports</i> , 2014, 4, 3815.	3.3	266
18	Effect of Particles Drift on Dendritic Growth. <i>Journal of Electrochemical Science and Technology</i> , 2014, 5, 53-57.	2.2	0

#	ARTICLE	IF	CITATIONS
19	1,3,5-Trihydroxybenzene as a film-forming additive for high-voltage positive electrode. Electrochemistry Communications, 2013, 27, 26-28. Mechanisms of Li <sup>+</sup> transport in garnet-type cubic Li <sub>3</sub> La <sub>x</sub> M <sub>2-x</sub> Fe <sub>2</sub> O <sub>12</sub> (M = Ni, Mn). Journal of Applied Physics, 2005, 97, 10A918.	4.7	39
20	Effects of Li intercalation on magnetic properties of Co-doped rutile TiO <sub>2</sub> . Journal of Physics Condensed Matter, 2004, 16, S5697-S5700.	3.2	141
21	Electronic and magnetic structures of CeTe <sub>2</sub> . Journal of Applied Physics, 2005, 97, 10A918.	2.5	2
22	Effects of Li intercalation on magnetic properties of Co-doped rutile TiO <sub>2</sub> . Journal of Physics Condensed Matter, 2004, 16, S5697-S5700.	1.8	1
23	The search for new spintronic materials: half-metallic antiferromagnets and diluted magnetic semiconductors. Journal of Physics Condensed Matter, 2004, 16, S5509-S5516.	1.8	7
24	Li intercalation effects on magnetism in undoped and Co-doped anatase TiO <sub>2</sub> . Physica B: Condensed Matter, 2003, 328, 120-122.	2.7	14
25	Half-Metallic Electronic Structures of Thiospinels. Journal of the Physical Society of Japan, 2002, 71, 178-180.	1.6	2
26	Half-metallic electronic structures of giant magnetoresistive spinels: Fe <sub>1-x</sub> Cu <sub>x</sub> Cr <sub>2</sub> S <sub>4</sub> (x=0.0,0.5,1.0). Physical Review B, 1999, 59, 10018-10024.	3.2	83