

Byeongsun Jun

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Metal-Free Oxygen Evolution and Oxygen Reduction Reaction Bifunctional Electrocatalyst in Alkaline Media: From Mechanisms to Structure–Catalytic Activity Relationship. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 4973-4980.	6.7	62
2	B ₃ S monolayer: prediction of a high-performance anode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12706-12712.	10.3	59
3	Two-dimensional haeckelite h567: A promising high capacity and fast Li diffusion anode material for lithium-ion batteries. <i>Carbon</i> , 2019, 148, 344-353.	10.3	59
4	Rational design of a PC3 monolayer: A high-capacity, rapidly charging anode material for sodium-ion batteries. <i>Carbon</i> , 2020, 157, 420-426.	10.3	49
5	Adjustable Intermolecular Interactions Allowing 2D Transition Metal Dichalcogenides with Prolonged Scavenging Activity for Reactive Oxygen Species. <i>Small</i> , 2018, 14, e1800026.	10.0	30
6	Theoretical evaluation of the structure–activity relationship in graphene-based electrocatalysts for hydrogen evolution reactions. <i>RSC Advances</i> , 2017, 7, 27033-27039.	3.6	21
7	Quantitative Correlation between Carrier Mobility and Intermolecular Center-to-Center Distance in Organic Single Crystals. <i>Chemistry of Materials</i> , 2017, 29, 4072-4079.	6.7	12
8	Environmental Stimuli-Responsive Long-Term Radical Scavenging of 2D Transition Metal Dichalcogenides through Defect-Mediated Hydrogen Atom Transfer in Aqueous Media. <i>Advanced Functional Materials</i> , 2018, 28, 1802737.	14.9	9
9	Designing a descriptor for the computational screening of argyrodite-based solid-state superionic conductors: uniformity of ion-cage size. <i>Journal of Materials Chemistry A</i> , 2022, 10, 7888-7895.	10.3	7
10	State of charge dependent ordered and disordered phases in a Li[Ni _{1/3} Co _{1/3} Mn _{1/3}]O ₂ cathode material. <i>Materials Advances</i> , 2021, 2, 3965-3970.	5.4	2
11	Efficiency Tuning of UVA/UVB Absorbance through Control over the Intramolecular Hydrogen Bonding of Triazine Derivatives. <i>Bulletin of the Korean Chemical Society</i> , 2018, 39, 858-863.	1.9	1