

Farjana J Sonia

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding the Li-storage in few layers graphene with respect to bulk graphite: experimental, analytical and computational study. <i>Journal of Materials Chemistry A</i> , 2017, 5, 8662-8679.	5.2	70
2	Insights into the effects of multi-layered graphene as buffer/interlayer for a-Si during lithiation/delithiation. <i>Carbon</i> , 2017, 111, 602-616.	5.4	59
3	Correlations between preparation methods, structural features and electrochemical Li-storage behavior of reduced graphene oxide. <i>Nanoscale</i> , 2017, 9, 11303-11317.	2.8	52
4	Improved structural and optical properties of Cu ₂ ZnSnS ₄ thin films via optimized potential in single bath electrodeposition. <i>Electrochimica Acta</i> , 2014, 137, 154-163.	2.6	41
5	Understanding the processing-structure-performance relationship of graphene and its variants as anode material for Li-ion batteries: A critical review. <i>Carbon</i> , 2020, 156, 130-165.	5.4	41
6	Insight into the mechanical integrity of few-layers graphene upon lithiation/delithiation via in situ monitoring of stress development. <i>Carbon</i> , 2015, 88, 206-214.	5.4	37
7	Crystalline core/amorphous shell structured silicon nanowires offer size and structure dependent reversible Na-storage. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3422-3434.	5.2	37
8	Feasibility of Reversible Electrochemical Na-Storage and Cyclic Stability of Amorphous Silicon and Silicon-Graphene Film Electrodes. <i>Journal of the Electrochemical Society</i> , 2017, 164, A2559-A2565.	1.3	28
9	Enhanced and Faster Potassium Storage in Graphene with Respect to Graphite: A Comparative Study with Lithium Storage. <i>ACS Nano</i> , 2019, 13, 2190-2204.	7.3	27
10	Wear damage and effects of graphene-based lubricants/coatings during linear reciprocating sliding wear at high contact pressure. <i>Wear</i> , 2018, 400-401, 144-155.	1.5	20
11	Effect of the presence of Si-oxide/sub-oxide surface layer(s) on ~micron-sized™ Si wires towards the electrochemical behavior as anode material for Li-ion battery. <i>Electrochimica Acta</i> , 2019, 297, 381-391.	2.6	19
12	Superradiant Emission from Coherent Excitons in van Der Waals Heterostructures. <i>Advanced Functional Materials</i> , 2021, 31, 2102196.	7.8	12
13	Lower limit to Si-dimension for retaining graphenic carbon based ~buffer™ effective towards bestowing Si-electrodes with cyclic stability. <i>Carbon</i> , 2020, 165, 428-433.	5.4	11
14	Influence of structural properties on (de-)intercalation of ClO ₄ ⁻ anion in graphite from concentrated aqueous electrolyte. <i>Carbon</i> , 2022, 186, 612-623.	5.4	10
15	Reversible anion intercalation into graphite from aluminum perchlorate ~water~in~salt~electrolyte. <i>Electrochimica Acta</i> , 2022, 404, 139754.	2.6	9
16	Structural and optical properties of electrochemically grown highly crystalline Cu ₂ ZnSnS ₄ (CZTS) thin films. , 2013, , .		8
17	Rippled Metallic~Nanowire/Graphene/Semiconductor Nanostack for a Gate~Tunable Ultrahigh~Performance Stretchable Phototransistor. <i>Advanced Optical Materials</i> , 2020, 8, 2000859.	3.6	5