

Johanna Xu

List of Publications by Year in descending order

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13
papers

553
citations

759233

12
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

374
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural battery composites: a review. <i>Functional Composites and Structures</i> , 2019, 1, 042001.	3.4	133
2	Lithium iron phosphate coated carbon fiber electrodes for structural lithium ion batteries. <i>Composites Science and Technology</i> , 2018, 162, 235-243.	7.8	87
3	A Structural Battery and its Multifunctional Performance. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2000093.	5.8	74
4	Electrophoretic coating of LiFePO ₄ /Graphene oxide on carbon fibers as cathode electrodes for structural lithium ion batteries. <i>Composites Science and Technology</i> , 2021, 208, 108768.	7.8	61
5	A Structural Battery and its Multifunctional Performance. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2170008.	5.8	32
6	Carbon fiber composites with battery function: Stresses and dimensional changes due to Li-ion diffusion. <i>Journal of Composite Materials</i> , 2018, 52, 2729-2742.	2.4	29
7	Multiphysics modeling of mechanical and electrochemical phenomena in structural composites for energy storage: Single carbon fiber micro-battery. <i>Journal of Reinforced Plastics and Composites</i> , 2018, 37, 701-715.	3.1	29
8	Characterization of the adhesive properties between structural battery electrolytes and carbon fibers. <i>Composites Science and Technology</i> , 2020, 188, 107962.	7.8	25
9	A multicell structural battery composite laminate. <i>EcoMat</i> , 2022, 4, .	11.9	23
10	Electro-chemo-mechanically coupled computational modelling of structural batteries. <i>Multifunctional Materials</i> , 2020, 3, 045002.	3.7	20
11	Matrix and interface microcracking in carbon fiber/polymer structural micro-battery. <i>Journal of Composite Materials</i> , 2019, 53, 3615-3628.	2.4	15
12	Experimental and computational characterization of carbon fibre based structural battery electrode laminae. <i>Composites Science and Technology</i> , 2022, 220, 109283.	7.8	14
13	Matrix and interface cracking in cross-ply composite structural battery under combined electrochemical and mechanical loading. <i>Composites Science and Technology</i> , 2020, 186, 107891.	7.8	11