

Rebekah Sweat

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

281
citations

1163117

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1281871

11
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12
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12
docs citations

12
times ranked

353
citing authors

#	ARTICLE	IF	CITATIONS
1	Geometrically constrained self-assembly and crystal packing of flattened and aligned carbon nanotubes. <i>Carbon</i> , 2015, 93, 953-966.	10.3	63
2	Carbon Fiber/Carbon Nanotube Buckypaper Interply Hybrid Composites: Manufacturing Process and Tensile Properties. <i>Advanced Engineering Materials</i> , 2015, 17, 1442-1453.	3.5	57
3	Strain-Induced Alignment Mechanisms of Carbon Nanotube Networks. <i>Advanced Engineering Materials</i> , 2015, 17, 349-358.	3.5	53
4	Microstructure evolution and self-assembling of CNT networks during mechanical stretching and mechanical properties of highly aligned CNT composites. <i>Composites Science and Technology</i> , 2018, 166, 125-130.	7.8	40
5	Strong and ultra-flexible polymer-derived silicon carbonitride nanocomposites by aligned carbon nanotubes. <i>Ceramics International</i> , 2016, 42, 13359-13367.	4.8	15
6	Collapsed carbon nanotubes: From nano to mesoscale via density functional theory-based tight-binding objective molecular modeling. <i>Carbon</i> , 2019, 143, 786-792.	10.3	12
7	Thermomechanical Multifunctionality in 3D-Printed Polystyrene-Boron Nitride Nanotubes (BNNT) Composites. <i>Journal of Composites Science</i> , 2021, 5, 61.	3.0	12
8	In Situ Polymerized pCBT Composites with Aligned Carbon Nanotube Buckypaper: Structure and Properties. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 292-300.	2.2	11
9	A Digital Twin Approach to a Quantitative Microstructure-Property Study of Carbon Fibers through HRTEM Characterization and Multiscale FEA. <i>Materials</i> , 2020, 13, 4231.	2.9	6
10	High-resolution TEM analysis of flatten carbon nanotube packing in nanocomposites. <i>Synthetic Metals</i> , 2015, 204, 103-109.	3.9	5
11	A scalable fiber bundle pullout manufacturing method for data-driven interfacial shear strength measurements of micro and nanomaterials. <i>Composites Science and Technology</i> , 2022, 222, 109375.	7.8	4
12	Simulation of surface asperities on a carbon fiber using molecular dynamics and fourier series decomposition to predict interfacial shear strength in polymer matrix composites. <i>Composite Interfaces</i> , 0, , 1-24.	2.3	3