

Anastasiia Mikhalchan

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

468
citations

933447

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h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

604
citing authors

#	ARTICLE	IF	CITATIONS
1	A perspective on high-performance CNT fibres for structural composites. Carbon, 2019, 150, 191-215.	10.3	90
2	Continuous Carbon Nanotube-Based Fibers and Films for Applications Requiring Enhanced Heat Dissipation. ACS Applied Materials & Interfaces, 2016, 8, 17461-17471.	8.0	70
3	Post-Treatments for Multifunctional Property Enhancement of Carbon Nanotube Fibers from the Floating Catalyst Method. ACS Applied Materials & Interfaces, 2016, 8, 7948-7956.	8.0	66
4	Continuous and scalable fabrication and multifunctional properties of carbon nanotube aerogels from the floating catalyst method. Carbon, 2016, 102, 409-418.	10.3	65
5	Aligned carbon nanotube-epoxy composites: the effect of nanotube organization on strength, stiffness, and toughness. Journal of Materials Science, 2016, 51, 10005-10025.	3.7	64
6	Understanding cooperative loading in carbon nanotube fibres through in-situ structural studies during stretching. Carbon, 2020, 156, 430-437.	10.3	18
7	Simultaneous improvements in conversion and properties of molecularly controlled CNT fibres. Carbon, 2021, 179, 417-424.	10.3	18
8	Revealing Chemical Heterogeneity of CNT Fiber Nanocomposites via Nanoscale Chemical Imaging. Chemistry of Materials, 2018, 30, 1856-1864.	6.7	17
9	A Route to High-Toughness Battery Electrodes. ACS Applied Energy Materials, 2019, 2, 5889-5899.	5.1	17
10	Composite Fabrics of Conformal MoS ₂ Grown on CNT Fibers: Tough Battery Anodes without Metals or Binders. ACS Applied Energy Materials, 2021, 4, 5668-5676.	5.1	12
11	Development of continuous CNT fibre-reinforced PMMA filaments for additive manufacturing: A case study by AFM-IR nanoscale imaging. Materials Letters, 2020, 262, 127182.	2.6	10
12	Improved alignment and stress transfer in CNT fibre fabrics studied by in situ X-ray and Raman during wet-drawing. Carbon, 2022, 197, 368-377.	10.3	10
13	Identification of Collapsed Carbon Nanotubes in High-Strength Fibers Spun from Compositionally Polydisperse Aerogels. ACS Applied Nano Materials, 2021, 4, 6947-6955.	5.0	6
14	Thermoconformable, Flexible Lithium-Ion Batteries. Advanced Materials Technologies, 2022, 7, .	5.8	5