

Thurid S Gspann

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

529
citations

840776

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h-index

752698

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21
all docs

21
docs citations

21
times ranked

590
citing authors

#	ARTICLE	IF	CITATIONS
1	Artificial Neurons on Flexible Substrates: A Fully Printed Approach for Neuromorphic Sensing. <i>Sensors</i> , 2022, 22, 4000.	3.8	2
2	Catalyst-Mediated Enhancement of Carbon Nanotube Textiles by Laser Irradiation: Nanoparticle Sweating and Bundle Alignment. <i>Catalysts</i> , 2021, 11, 368.	3.5	5
3	Quantifying alignment in carbon nanotube yarns and similar two-dimensional anisotropic systems. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50939.	2.6	17
4	High-Resolution On-Demand Nanostructures. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 1900688.	1.8	1
5	Forecasting continuous carbon nanotube production in the floating catalyst environment. <i>Chemical Engineering Journal</i> , 2020, 390, 124497.	12.7	14
6	A comparative study of the tensile failure of carbon nanotube, Dyneema and carbon fibre tows over six orders of strain rate. <i>Carbon</i> , 2020, 164, 407-421.	10.3	7
7	Extreme stretching of high G:D ratio carbon nanotube fibers using super-acid. <i>Carbon</i> , 2019, 153, 725-736.	10.3	25
8	High throughput production of single-wall carbon nanotube fibres independent of sulfur-source. <i>Nanoscale</i> , 2019, 11, 18483-18495.	5.6	22
9	The mechanical and electrical properties of direct-spun carbon nanotube mats. <i>Extreme Mechanics Letters</i> , 2018, 21, 65-75.	4.1	59
10	Triboluminescence flashes from high-speed ruptures in carbon nanotube Macro-Yarns. <i>Materials Letters</i> , 2018, 213, 298-302.	2.6	2
11	Chirality-independent characteristic crystal length in carbon nanotube textiles measured by Raman spectroscopy. <i>Carbon</i> , 2017, 115, 672-680.	10.3	22
12	High thermal conductivities of carbon nanotube films and micro-fibres and their dependence on morphology. <i>Carbon</i> , 2017, 114, 160-168.	10.3	119
13	Photonic Sorting of Aligned, Crystalline Carbon Nanotube Textiles. <i>Scientific Reports</i> , 2017, 7, 12977.	3.3	13
14	Aligned carbon nanotube-epoxy composites: the effect of nanotube organization on strength, stiffness, and toughness. <i>Journal of Materials Science</i> , 2016, 51, 10005-10025.	3.7	64
15	CNT fibres - yarns between the extremes. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1752, 117-123.	0.1	0
16	Mechanical properties of carbon nanotube fibres: St Venant's principle at the limit and the role of imperfections. <i>Carbon</i> , 2015, 93, 1021-1033.	10.3	33
17	Stress Transfer within CNT Fibres: A FEA Approach. <i>Procedia Engineering</i> , 2015, 109, 435-440.	1.2	1
18	Applications, composites, and devices: general discussion. <i>Faraday Discussions</i> , 2014, 173, 429-443.	3.2	5

#	ARTICLE	IF	CITATIONS
19	Synthesis in gas and liquid phase: general discussion. Faraday Discussions, 2014, 173, 115-135.	3.2	2
20	Doping and Theory: general discussion. Faraday Discussions, 2014, 173, 233-256.	3.2	4
21	Spinning of carbon nanotube fibres using the floating catalyst high temperature route: purity issues and the critical role of sulphur. Faraday Discussions, 2014, 173, 47-65.	3.2	112