

David B Anthony

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

666
citations

567281

15
h-index

610901

24
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25
all docs

25
docs citations

25
times ranked

1240
citing authors

#	ARTICLE	IF	CITATIONS
1	Joule Heating Characteristics of Emulsion-Templated Graphene Aerogels. <i>Advanced Functional Materials</i> , 2015, 25, 28-35.	14.9	99
2	Hierarchically porous carbon foams from pickering high internal phase emulsions. <i>Carbon</i> , 2016, 101, 253-260.	10.3	86
3	Carbon foams from emulsion-templated reduced graphene oxide polymer composites: electrodes for supercapacitor devices. <i>Journal of Materials Chemistry A</i> , 2018, 6, 1840-1849.	10.3	70
4	Hyperscrosslinked polyHIPEs as precursors to designable, hierarchically porous carbon foams. <i>Polymer</i> , 2017, 115, 146-153.	3.8	48
5	Continuous carbon nanotube synthesis on charged carbon fibers. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 112, 525-538.	7.6	47
6	Increasing carbon fiber composite strength with a nanostructured "brick-and-mortar" interphase. <i>Materials Horizons</i> , 2018, 5, 668-674.	12.2	38
7	Applying a potential difference to minimise damage to carbon fibres during carbon nanotube grafting by chemical vapour deposition. <i>Nanotechnology</i> , 2017, 28, 305602.	2.6	28
8	Interfacially-grafted single-walled carbon nanotube / poly (vinyl alcohol) composite fibers. <i>Carbon</i> , 2019, 146, 162-171.	10.3	28
9	Probing the charging mechanisms of carbon nanomaterial polyelectrolytes. <i>Faraday Discussions</i> , 2014, 172, 311-325.	3.2	25
10	Mechanical and physical performance of carbon aerogel reinforced carbon fibre hierarchical composites. <i>Composites Science and Technology</i> , 2019, 182, 107720.	7.8	23
11	Metal Mimics: Lightweight, Strong, and Tough Nanocomposites and Nanomaterial Assemblies. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 15955-15975.	8.0	20
12	Reductive dissolution of supergrowth carbon nanotubes for tougher nanocomposites by reactive coagulation spinning. <i>Nanoscale</i> , 2017, 9, 8764-8773.	5.6	18
13	Predicting the compaction of hybrid multilayer woven composite reinforcement stacks. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 133, 105851.	7.6	18
14	Inorganic Nanotube Mesophases Enable Strong Self-Healing Fibers. <i>ACS Nano</i> , 2020, 14, 5570-5580.	14.6	17
15	Piezoresistive structural composites reinforced by carbon nanotube-grafted quartz fibres. <i>Composites Science and Technology</i> , 2020, 198, 108275.	7.8	16
16	Mechanical, electrochemical and multifunctional performance of a CFRP/carbon aerogel structural supercapacitor and its corresponding monofunctional equivalents. <i>Multifunctional Materials</i> , 2022, 5, 025002.	3.7	16
17	The influence of fabrication parameters on the electrochemical performance of multifunctional structural supercapacitors. <i>Multifunctional Materials</i> , 2021, 4, 034001.	3.7	13
18	Wettability of carbon nanotube-grafted carbon fibers and their interfacial properties in polypropylene thermoplastic composite. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022, 159, 106993.	7.6	13

#	ARTICLE	IF	CITATIONS
19	Property and Shape Modulation of Carbon Fibers Using Lasers. ACS Applied Materials & Interfaces, 2016, 8, 16351-16358.	8.0	10
20	Development of novel composites through fibre and interface/interphase modification. IOP Conference Series: Materials Science and Engineering, 2016, 139, 012001.	0.6	9
21	Trajectory of the Selective Dissolution of Charged Single-Walled Carbon Nanotubes. Journal of Physical Chemistry C, 2017, 121, 21703-21712.	3.1	9
22	Real-time mechanistic study of carbon nanotube anion functionalisation through open circuit voltammetry. Chemical Science, 2019, 10, 3300-3306.	7.4	6
23	Synthesis of epoxidized poly(ester carbonate)- <i>b</i> -polyimide- <i>b</i> -poly(ester carbonate): reactive single-walled carbon nanotube dispersants enable synergistic reinforcement around multi-walled nanotube-grafted carbon fibers. Polymer Chemistry, 2019, 10, 1324-1334.	3.9	3
24	Reactive coagulation of single-walled carbon nanotubes for tougher composites – Solution processing and assembly. AIP Conference Proceedings, 2019, , .	0.4	0