

Daniel M Mulvihill

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

602
citations

759233

12
h-index

888059

17
g-index

21
all docs

21
docs citations

21
times ranked

350
citing authors

#	ARTICLE	IF	CITATIONS
1	Gecko-inspired dry adhesives for heritage conservation – tackling the surface roughness with empirical testing and finite element modelling. <i>Journal of Adhesion Science and Technology</i> , 2023, 37, 1091-1116.	2.6	1
2	Opportunities and Challenges in Triboelectric Nanogenerator (TENG) based Sustainable Energy Generation Technologies: A Mini-Review. <i>Chemical Engineering Journal Advances</i> , 2022, 9, 100237.	5.2	65
3	Electrode materials for stretchable triboelectric nanogenerator in wearable electronics. <i>RSC Advances</i> , 2022, 12, 10545-10572.	3.6	37
4	Finite element modelling of the single fibre composite fragmentation test with comparison to experiments. <i>Journal of Composite Materials</i> , 2022, 56, 2765-2778.	2.4	5
5	Textile Triboelectric Nanogenerators as Self Powered Wearable Temperature Sensors. , 2022, , .		1
6	Friction of flat and micropatterned interfaces with nanoscale roughness. <i>Tribology International</i> , 2021, 153, 106563.	5.9	7
7	Enhancing strength and toughness of adhesive joints via micro-structured mechanical interlocking. <i>International Journal of Adhesion and Adhesives</i> , 2021, 105, 102775.	2.9	18
8	Origin of the contact force-dependent response of triboelectric nanogenerators. <i>Nano Energy</i> , 2021, 83, 105829.	16.0	70
9	A wide range self-powered flexible pressure sensor based on triboelectric nanogenerator. , 2021, , .		3
10	Flexible Inserts for Injection Molding of Complex Micro-Structured Polymer Components. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2100223.	3.6	6
11	Tailorable and Repeatable Normal Contact Stiffness via Micropatterned Interfaces. <i>Tribology Letters</i> , 2021, 69, 1.	2.6	6
12	Ferroelectric-assisted high-performance triboelectric nanogenerators based on electrospun P(VDF-TrFE) composite nanofibers with barium titanate nanofillers. <i>Nano Energy</i> , 2021, 90, 106600.	16.0	52
13	Triboelectric Nanogenerator With Enhanced Performance via an Optimized Low Permittivity Substrate. <i>IEEE Sensors Journal</i> , 2020, 20, 6856-6862.	4.7	34
14	A unified contact force-dependent model for triboelectric nanogenerators accounting for surface roughness. <i>Nano Energy</i> , 2020, 76, 105067.	16.0	57
15	Induction melt thermoforming of advanced multi-axial thermoplastic composite laminates. <i>Journal of Manufacturing Processes</i> , 2020, 60, 673-683.	5.9	5
16	Frictional behaviour of non-crimp fabrics (NCFs) in contact with a forming tool. <i>Tribology International</i> , 2018, 121, 71-77.	5.9	12
17	Enhanced Triboelectric Nanogenerator Performance via an Optimised Low Permittivity, Low Thickness Substrate. , 2018, , .		2
18	Effect of tool surface topography on friction with carbon fibre tows for composite fabric forming. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 93, 199-206.	7.6	23

#	ARTICLE	IF	CITATIONS
19	Friction of carbon fibre tows. Composites Part A: Applied Science and Manufacturing, 2017, 93, 185-198.	7.6	41
20	An elastic-elastic plastic asperity interaction model for sliding friction. Tribology International, 2011, 44, 1679-1694.	5.9	94
21	Measurements of pressure and area dependent tangential contact stiffness between rough surfaces using digital image correlation. Tribology International, 2011, 44, 1188-1198.	5.9	63