

# Declan Carolan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5539367/publications.pdf>

Version: 2024-02-01

13  
papers

279  
citations

1163117

8  
h-index

1125743

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

345  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical and fracture properties of epoxy adhesives modified with graphene nanoplatelets and rubber particles. <i>International Journal of Adhesion and Adhesives</i> , 2018, 81, 21-29.	2.9	54
2	Toughening epoxy syntactic foams with milled carbon fibres: Mechanical properties and toughening mechanisms. <i>Materials and Design</i> , 2019, 169, 107654.	7.0	38
3	Carbon nanotubes and core-shell rubber nanoparticles modified structural epoxy adhesives. <i>Journal of Materials Science</i> , 2017, 52, 4493-4508.	3.7	37
4	A Raman spectroscopy investigation into the influence of thermal treatments on the residual stress of polycrystalline diamond. <i>International Journal of Refractory Metals and Hard Materials</i> , 2015, 52, 114-122.	3.8	33
5	Fracture and fatigue behaviour of carbon fibre composites with nanoparticle-sized fibres. <i>Composite Structures</i> , 2019, 217, 143-149.	5.8	33
6	Simultaneously tough and conductive rubber-graphene epoxy nanocomposites. <i>Journal of Materials Science</i> , 2016, 51, 8631-8644.	3.7	21
7	Curing rate effects on the toughness of epoxy polymers. <i>Polymer</i> , 2018, 159, 116-123.	3.8	19
8	Mechanical and fracture performance of carbon fibre reinforced composites with nanoparticle modified matrices. <i>Procedia Structural Integrity</i> , 2016, 2, 96-103.	0.8	17
9	Quantifying Alumina Nanoparticle Dispersion in Hybrid Carbon Fiber Composites Using Photoluminescent Spectroscopy. <i>Applied Spectroscopy</i> , 2017, 71, 258-266.	2.2	8
10	Synergistic toughening and electrical functionalization of an epoxy using MWCNTs and silane/plasma-activated basalt fibers. <i>Journal of Applied Polymer Science</i> , 2021, 138, .	2.6	8
11	Experimental and numerical analysis of conductive ternary polymer blend composites. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	5
12	Effect of rapid manufacturing on the performance of carbon fibre epoxy polymers. <i>Journal of Materials Science</i> , 2021, 56, 6188-6203.	3.7	5
13	A simplified approach to modelling temperature rises in battery cells and modules. <i>Applied Thermal Engineering</i> , 2022, 210, 118357.	6.0	1