

Anil R Ravindran

List of Publications by Year in descending order

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18
papers

990
citations

567281

15
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

1426
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Electrically Conductive Porous PDMS/Carbon Nanofiber Composites for Deformable Strain Sensors and Conductors. ACS Applied Materials & Interfaces, 2017, 9, 14207-14215.	8.0	239
2	Liquid metal-based synthesis of high performance monolayer SnS piezoelectric nanogenerators. Nature Communications, 2020, 11, 3449.	12.8	128
3	3D Printing of Highly Conductive Nanocomposites for the Functional Optimization of Liquid Sensors. Small, 2016, 12, 6076-6082.	10.0	91
4	Multi-scale toughening of fibre composites using carbon nanofibres and z-pins. Composites Science and Technology, 2016, 131, 98-109.	7.8	81
5	Effects of Graphene Nanoplatelet Size and Surface Area on the AC Electrical Conductivity and Dielectric Constant of Epoxy Nanocomposites. Polymers, 2018, 10, 477.	4.5	70
6	Multi-scale toughening of epoxy composites via electric field alignment of carbon nanofibres and short carbon fibres. Composites Science and Technology, 2018, 167, 115-125.	7.8	56
7	Aligning carbon nanofibres in glass-fibre/epoxy composites to improve interlaminar toughness and crack-detection capability. Composites Science and Technology, 2017, 152, 46-56.	7.8	54
8	Fracture and fatigue behaviour of epoxy nanocomposites containing 1-D and 2-D nanoscale carbon fillers. Engineering Fracture Mechanics, 2018, 203, 102-114.	4.3	37
9	The electric field alignment of short carbon fibres to enhance the toughness of epoxy composites. Composites Part A: Applied Science and Manufacturing, 2018, 106, 11-23.	7.6	36
10	Synergistic delamination toughening of composites using multi-scale carbon reinforcements. Composites Part B: Engineering, 2019, 161, 18-28.	12.0	36
11	Synergistic mode II delamination toughening of composites using multi-scale carbon-based reinforcements. Composites Part A: Applied Science and Manufacturing, 2019, 117, 103-115.	7.6	33
12	Hierarchical mode I and mode II interlaminar toughening of Z-pinned composites using 1D and 2D carbon nanofillers. Composites Part A: Applied Science and Manufacturing, 2019, 124, 105470.	7.6	29
13	Electrical properties of 3D printed continuous carbon fibre composites made using the FDM process. Composites Part A: Applied Science and Manufacturing, 2021, 151, 106661.	7.6	25
14	Improving the delamination resistance and impact damage tolerance of carbon fibre-epoxy composites using multi-scale fibre toughening. Composites Part A: Applied Science and Manufacturing, 2021, 150, 106624.	7.6	24
15	Strengthening of composite T-joints using 1D and 2D carbon nanoparticles. Composite Structures, 2021, 255, 112982.	5.8	23
16	Liquid metal synthesis of two-dimensional aluminium oxide platelets to reinforce epoxy composites. Composites Science and Technology, 2019, 181, 107708.	7.8	15
17	Hierarchical strengthening of carbon fibre composite T-joints using nanoparticles and Z-pins. Composites Part A: Applied Science and Manufacturing, 2022, 154, 106775.	7.6	10
18	Liquid Materials: 3D Printing of Highly Conductive Nanocomposites for the Functional Optimization of Liquid Sensors (Small 44/2016). Small, 2016, 12, 6176-6176.	10.0	3