

Lei Pan

List of Publications by Year in descending order

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19
papers

512
citations

840776

11
h-index

839539

18
g-index

22
all docs

22
docs citations

22
times ranked

570
citing authors

#	ARTICLE	IF	CITATIONS
1	Anti-icing Potential of Superhydrophobic Ti6Al4V Surfaces: Ice Nucleation and Growth. <i>Langmuir</i> , 2015, 31, 10799-10806.	3.5	113
2	Bouncing dynamics of impact droplets on the convex superhydrophobic surfaces. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	65
3	Carbon fiber/poly ether ether ketone composites modified with graphene for electro-thermal deicing applications. <i>Composites Science and Technology</i> , 2020, 192, 108117.	7.8	50
4	Characterization of seawater hygrothermal conditioning effects on the properties of titanium-based fiber-metal laminates for marine applications. <i>Composite Structures</i> , 2016, 158, 199-207.	5.8	48
5	A comparative study on mechanical properties of carbon fiber/PEEK composites. <i>Advanced Composite Materials</i> , 2016, 25, 359-374.	1.9	42
6	Characterization of effects of heat treated anodized film on the properties of hygrothermally aged AA5083-based fiber-metal laminates. <i>Composite Structures</i> , 2017, 167, 112-122.	5.8	35
7	Galvanic corrosion protection and durability of polyaniline-reinforced epoxy adhesive for bond-riveted joints in AA5083/Cf/Epoxy laminates. <i>Materials and Design</i> , 2018, 160, 1106-1116.	7.0	33
8	Superhydrophobicity and anti-icing of CF/PEEK composite surface with hierarchy structure. <i>Journal of Materials Science</i> , 2019, 54, 14728-14741.	3.7	25
9	Modification of Ti-6Al-4V plates with Schiff base complex and adhesive performance of Ti-6Al-4V/PEEK. <i>Materials and Design</i> , 2018, 144, 271-280.	7.0	18
10	Surface characteristics and adhesive strength to polyetheretherketone of titanium electrografted with aryl diazonium salt. <i>Materials and Design</i> , 2016, 95, 555-562.	7.0	17
11	Thermal conductivities of Ti3C2Tx MXenes and their interfacial thermal performance in MXene/epoxy composites â€” a molecular dynamics simulation. <i>International Journal of Heat and Mass Transfer</i> , 2022, 194, 123027.	4.8	14
12	Enhancing interfacial strength between AA5083 and cryogenic adhesive via anodic oxidation and silanization. <i>International Journal of Adhesion and Adhesives</i> , 2018, 84, 317-324.	2.9	12
13	Effect of Functional Groups on Interfacial Adhesion Properties of PEEK/Carbon Fiber Composites. <i>Applied Mechanics and Materials</i> , 0, 598, 66-72.	0.2	11
14	Novel superhydrophobic carbon fiber/epoxy composites with anti-icing properties. <i>Journal of Materials Research</i> , 2021, 36, 1695-1704.	2.6	11
15	Evaluation of the parameters of titanium surface micro-pits on the titanium-PEEK joint fracture toughness. <i>International Journal of Adhesion and Adhesives</i> , 2017, 75, 165-173.	2.9	7
16	Investigation on the effect of configuration on tensile and flexural properties of aluminum/self-reinforced polypropylene fiber metal laminates. <i>Journal of Sandwich Structures and Materials</i> , 2020, 22, 1770-1785.	3.5	4
17	Enhancement in Interfacial Adhesion of Ti/Polyetheretherketone by Electrophoretic Deposition of Graphene Oxide. <i>Polymer Composites</i> , 2019, 40, E1243-E1251.	4.6	3
18	Atomistic simulations of functionalization of aramid fiberâ€™epoxy nanocomposite. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50171.	2.6	2

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19	Enhanced adhesive performance of Ti-6Al-4V/PEEK interface by loading SPEEK on Ti-6Al-4V plates. International Journal of Adhesion and Adhesives, 2022, 114, 103116.	2.9	2