

Gerhard Kalinka

List of Publications by Year in descending order

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32
papers

1,840
citations

394421

19
h-index

434195

31
g-index

32
all docs

32
docs citations

32
times ranked

2014
citing authors

#	ARTICLE	IF	CITATIONS
1	The Adhesion of Plasma Nanocoatings Controls the Shear Properties of GF/Polyester Composite. <i>Polymers</i> , 2021, 13, 593.	4.5	8
2	Reducing the raw material usage for room temperature infusible and polymerisable thermoplastic CFRPs through reuse of recycled waste matrix material. <i>Composites Part B: Engineering</i> , 2021, 216, 108877.	12.0	9
3	Re-use potential of carbon fibre fabric recovered from infusible thermoplastic CFRPs in 2nd generation thermosetting-matrix composites. <i>Composites Communications</i> , 2021, 28, 100974.	6.3	1
4	Influence of cooling rate on the properties of carbon fiber unidirectional composites with polypropylene, polyamide 6, and polyphenylene sulfide matrices. <i>Advanced Composite Materials</i> , 2020, 29, 101-113.	1.9	23
5	Cellulose hydrogels physically crosslinked by glycine: Synthesis, characterization, thermal and mechanical properties. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48380.	2.6	41
6	Experimental and numerical multiscale approach to thermally cycled FRP. <i>Composite Structures</i> , 2020, 244, 112303.	5.8	6
7	Tailoring the interfaces in glass fiber-reinforced photopolymer composites. <i>Polymer</i> , 2018, 141, 221-231.	3.8	19
8	Investigation of interfacial strength parameters in polymer matrix composites: Compatibility and reproducibility. <i>Advanced Industrial and Engineering Polymer Research</i> , 2018, 1, 82-92.	4.7	28
9	Circumventing boundary effects while characterizing epoxy/copper interphases using nanoindentation. <i>Composite Interfaces</i> , 2017, 24, 833-848.	2.3	3
10	Property and Shape Modulation of Carbon Fibers Using Lasers. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 16351-16358.	8.0	10
11	Photocleavable epoxy based materials. <i>Polymer</i> , 2015, 69, 159-168.	3.8	19
12	Coating of carbon fibers with adhesion-promoting thin poly(acrylic acid) and poly(hydroxyethylmethacrylate) layers using electrospray ionization. <i>Journal of Adhesion Science and Technology</i> , 2015, 29, 1628-1650.	2.6	11
13	Mechanical, electrical and microstructural characterisation of multifunctional structural power composites. <i>Journal of Composite Materials</i> , 2015, 49, 1823-1834.	2.4	69
14	Composition as a Means To Control Morphology and Properties of Epoxy Based Dual-Phase Structural Electrolytes. <i>Journal of Physical Chemistry C</i> , 2014, 118, 28377-28387.	3.1	60
15	Structural supercapacitor electrolytes based on bicontinuous ionic liquid-epoxy resin systems. <i>Journal of Materials Chemistry A</i> , 2013, 1, 15300.	10.3	143
16	Field Deployable Fiber Bragg Grating Strain Patch for Long-Term Stable Health Monitoring Applications. <i>Applied Sciences (Switzerland)</i> , 2013, 3, 39-54.	2.5	8
17	Mapping local microstructure and mechanical performance around carbon nanotube grafted silica fibres: Methodologies for hierarchical composites. <i>Nanoscale</i> , 2011, 3, 4759.	5.6	41
18	Interfacial shear strength of a glass fiber/epoxy bonding in composites modified with carbon nanotubes. <i>Composites Science and Technology</i> , 2010, 70, 1346-1352.	7.8	260

#	ARTICLE	IF	CITATIONS
19	Creating Hierarchical Structures in Renewable Composites by Attaching Bacterial Cellulose onto Sisal Fibers. <i>Advanced Materials</i> , 2008, 20, 3122-3126.	21.0	121
20	Carbon fibre reinforced poly(vinylidene fluoride): Impact of matrix modification on fibre/polymer adhesion. <i>Composites Science and Technology</i> , 2008, 68, 1766-1776.	7.8	83
21	Hierarchical Composites Reinforced with Carbon Nanotube Grafted Fibers: The Potential Assessed at the Single Fiber Level. <i>Chemistry of Materials</i> , 2008, 20, 1862-1869.	6.7	312
22	Surface Modification of Natural Fibers Using Bacteria: Depositing Bacterial Cellulose onto Natural Fibers To Create Hierarchical Fiber Reinforced Nanocomposites. <i>Biomacromolecules</i> , 2008, 9, 1643-1651.	5.4	226
23	Fluorinated carbon fibres and their suitability as reinforcement for fluoropolymers. <i>Composites Science and Technology</i> , 2007, 67, 2699-2706.	7.8	42
24	Interfacial behavior between atmospheric-plasma-fluorinated carbon fibers and poly(vinylidene fluoride). <i>Composites Science and Technology</i> , 2007, 67, 2707-2716.	9.4	56
25	A technique for the measurement of reinforcement fibre tensile strength at sub-millimetre gauge lengths. <i>Composites Part A: Applied Science and Manufacturing</i> , 2001, 32, 85-90.	7.6	31
26	Viscoelastic properties of the interphase in fibre reinforced polymers - measurement and simulation. <i>Composite Interfaces</i> , 1998, 6, 93-101.	2.3	0
27	Characterisation of the fibre/matrix interface in reinforced polymers by the push-in technique. <i>Composites Science and Technology</i> , 1997, 57, 845-851.	7.8	39
28	Two-dimensional computer simulation of spherulite formation by branching lamellae. <i>Acta Polymerica</i> , 1997, 48, 256-261.	0.9	6
29	An advanced equipment for single-fibre pull-out test designed to monitor the fracture process. <i>Composites</i> , 1995, 26, 40-46.	0.7	73
30	Computer simulation of crystallization kinetics in fiber-reinforced composites. <i>Journal of Applied Polymer Science</i> , 1994, 51, 399-406.	2.6	30
31	Crystallization kinetics of pure and fiber-reinforced poly(phenylene sulfide). <i>Journal of Applied Polymer Science</i> , 1994, 51, 407-413.	2.6	54
32	Investigations on the cold crystallization of pure and filled PETP by dielectric measurements. <i>Acta Polymerica</i> , 1993, 44, 25-28.	0.9	8