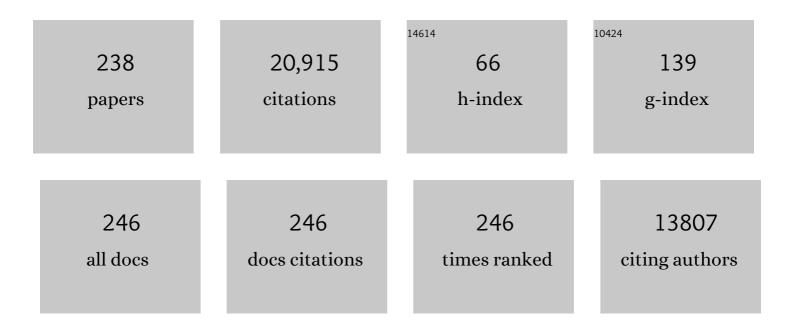
List of Publications by Year in descending order

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KADI SCHILLTE

#	Article	IF	CITATIONS
1	Development of a dispersion process for carbon nanotubes in an epoxy matrix and the resulting electrical properties. Polymer, 1999, 40, 5967-5971.	1.8	1,339
2	Carbon nanotube-reinforced epoxy-composites: enhanced stiffness and fracture toughness at low nanotube content. Composites Science and Technology, 2004, 64, 2363-2371.	3.8	1,328
3	Influence of different carbon nanotubes on the mechanical properties of epoxy matrix composites – A comparative study. Composites Science and Technology, 2005, 65, 2300-2313.	3.8	1,138
4	Evaluation and identification of electrical and thermal conduction mechanisms in carbon nanotube/epoxy composites. Polymer, 2006, 47, 2036-2045.	1.8	1,004
5	Formation of percolating networks in multi-wall carbon-nanotube–epoxy composites. Composites Science and Technology, 2004, 64, 2309-2316.	3.8	571
6	Influence of nano-modification on the mechanical and electrical properties of conventional fibre-reinforced composites. Composites Part A: Applied Science and Manufacturing, 2005, 36, 1525-1535.	3.8	563
7	Fundamental aspects of nano-reinforced composites. Composites Science and Technology, 2006, 66, 3115-3125.	3.8	541
8	Surface modified multi-walled carbon nanotubes in CNT/epoxy-composites. Chemical Physics Letters, 2003, 370, 820-824.	1.2	540
9	Electric field-induced aligned multi-wall carbon nanotube networks in epoxy composites. Polymer, 2005, 46, 877-886.	1.8	490
10	Fracture toughness and failure mechanism of graphene based epoxy composites. Composites Science and Technology, 2014, 97, 90-99.	3.8	451
11	Functionally graded materials for biomedical applications. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 362, 40-60.	2.6	441
12	Functionalisation effect on the thermo-mechanical behaviour of multi-wall carbon nanotube/epoxy-composites. Composites Science and Technology, 2004, 64, 2303-2308.	3.8	441
13	Load and failure analyses of CFRP laminates by means of electrical resistivity measurements. Composites Science and Technology, 1989, 36, 63-76.	3.8	434
14	Aerographite: Ultra Lightweight, Flexible Nanowall, Carbon Microtube Material with Outstanding Mechanical Performance. Advanced Materials, 2012, 24, 3486-3490.	11.1	343
15	Glass-fibre-reinforced composites with enhanced mechanical and electrical properties – Benefits and limitations of a nanoparticle modified matrix. Engineering Fracture Mechanics, 2006, 73, 2346-2359.	2.0	334
16	Thermo-mechanical properties of randomly oriented carbon/epoxy nanocomposites. Composites Part A: Applied Science and Manufacturing, 2005, 36, 1555-1561.	3.8	326
17	Two percolation thresholds in carbon nanotube epoxy composites. Composites Science and Technology, 2007, 67, 922-928.	3.8	310
18	Load and health monitoring in glass fibre reinforced composites with an electrically conductive nanocomposite epoxy matrix. Composites Science and Technology, 2008, 68, 1886-1894.	3.8	305

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19	A comparative study of melt spun polyamide-12 fibres reinforced with carbon nanotubes and nanofibres. Polymer, 2004, 45, 2001-2015.	1.8	293
20	Failure behavior of an epoxy matrix under different kinds of static loading. Composites Science and Technology, 2001, 61, 1615-1624.	3.8	282
21	Preparation and characterization of graphite nano-platelet (GNP)/epoxy nano-composite: Mechanical, electrical and thermal properties. European Polymer Journal, 2013, 49, 3878-3888.	2.6	274
22	CFRP-Recycling Following a Pyrolysis Route: Process Optimization and Potentials. Journal of Composite Materials, 2009, 43, 1121-1132.	1.2	242
23	Damage detection in CFRP by electrical conductivity mapping. Composites Science and Technology, 2001, 61, 921-930.	3.8	232
24	Agglomeration and electrical percolation behavior of carbon black dispersed in epoxy resin. Journal of Applied Polymer Science, 1997, 63, 1741-1746.	1.3	226
25	Piezoresistive response of epoxy composites with carbon nanoparticles under tensile load. Physical Review B, 2009, 80, .	1.1	206
26	Non-destructive testing of FRP by d.c. and a.c. electrical methods. Composites Science and Technology, 2001, 61, 837-847.	3.8	199
27	Low Percolation Threshold in Nanocomposites Based on Oxidized Single Wall Carbon Nanotubes and Poly(butylene terephthalate). Macromolecules, 2004, 37, 7669-7672.	2.2	191
28	Mode I and mode II fracture toughness of E-glass non-crimp fabric/carbon nanotube (CNT) modified polymer based composites. Engineering Fracture Mechanics, 2008, 75, 5151-5162.	2.0	184
29	Toughening mechanisms in polymer nanocomposites: From experiments to modelling. Composites Science and Technology, 2016, 123, 187-204.	3.8	181
30	Synergistic effects in network formation and electrical properties of hybrid epoxy nanocomposites containing multi-wall carbon nanotubes and carbon black. Journal of Materials Science, 2009, 44, 3241-3247.	1.7	168
31	Alternating electric field induced agglomeration of carbon black filled resins. Polymer, 2002, 43, 3079-3082.	1.8	149
32	Probabilistic Failure Strength Analyses of Graphite/Epoxy Cross-Ply Laminates. Journal of Composite Materials, 1984, 18, 339-356.	1.2	144
33	Water transport in epoxy/MWCNT composites. European Polymer Journal, 2013, 49, 2138-2148.	2.6	144
34	Polymer nanocomposite membranes for DMFC application. Journal of Membrane Science, 2005, 254, 139-146.	4.1	136
35	On nanocomposite toughness. Composites Science and Technology, 2008, 68, 329-331.	3.8	136
36	Improvement of fatigue life by incorporation of nanoparticles in glass fibre reinforced epoxy. Composites Part A: Applied Science and Manufacturing, 2010, 41, 1419-1424.	3.8	124

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37	Characterization and Analysis of Damage Mechanisms in Tension-Tension Fatigue of Graphite/Epoxy Laminates. , 1984, , 21-55.		117
38	Anomalous percolation transition in carbon-black–epoxy composite materials. Physical Review B, 1999, 59, 14349-14355.	1.1	112
39	Processing and assessment of poly(butylene terephthalate) nanocomposites reinforced with oxidized single wall carbon nanotubes. Polymer, 2005, 46, 5860-5867.	1.8	112
40	The effect of carbon nanoparticles on the fatigue performance of carbon fibre reinforced epoxy. Composites Part A: Applied Science and Manufacturing, 2014, 67, 233-240.	3.8	106
41	Hydrothermally resistant thermally reduced graphene oxide and multi-wall carbon nanotube based epoxy nanocomposites. Polymer Degradation and Stability, 2013, 98, 519-526.	2.7	103
42	Rheological and dynamic-mechanical behavior of carbon nanotube/vinyl ester–polyester suspensions and their nanocomposites. European Polymer Journal, 2007, 43, 2836-2847.	2.6	102
43	Nanocomposites of poly(vinyl chloride) with carbon nanotubes (CNT). Composites Science and Technology, 2007, 67, 890-894.	3.8	102
44	Critical aspects related to processing of carbon nanotube/unsaturated thermoset polyester nanocomposites. European Polymer Journal, 2007, 43, 374-379.	2.6	99
45	Strain concentration factors for fibers and matrix in unidirectional composites. Composites Science and Technology, 1991, 41, 237-256.	3.8	98
46	In situ observation of electric field induced agglomeration of carbon black in epoxy resin. Applied Physics Letters, 1998, 72, 2903-2905.	1.5	95
47	Analyzing the quality of carbon nanotube dispersions in polymers using scanning electron microscopy. Carbon, 2007, 45, 1279-1288.	5.4	92
48	Crystallization of Carbon Nanotube and Nanofiber Polypropylene Composites. Journal of Macromolecular Science - Physics, 2003, 42, 479-488.	0.4	88
49	Damage mapping of GFRP via electrical resistance measurements using nanocomposite epoxy matrix systems. Composites Part B: Engineering, 2014, 65, 80-88.	5.9	88
50	On the manufacturing and electrical and mechanical properties of ultra-high wt.% fraction aligned MWCNT and randomly oriented CNT epoxy composites. Carbon, 2015, 91, 275-290.	5.4	87
51	Can carbon nanotubes be used to sense damage in composites?. European Journal of Control, 2004, 29, 81-94.	1.6	86
52	Creep and recovery of epoxy/MWCNT nanocomposites. Composites Part A: Applied Science and Manufacturing, 2012, 43, 1212-1218.	3.8	85
53	Direction sensitive bending sensors based on multi-wall carbon nanotube/epoxy nanocomposites. Nanotechnology, 2008, 19, 475503.	1.3	84
54	Finite-element modeling of initial matrix failure in CFRP under static transverse tensile load. Composites Science and Technology, 2001, 61, 95-105.	3.8	83

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55	Tensile mechanical behavior and fracture toughness of MWCNT and DWCNT modified vinyl-ester/polyester hybrid nanocomposites produced by 3-roll milling. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 523, 85-92.	2.6	83
56	Comparison of rheological and electrical percolation phenomena in carbon black and carbon nanotube filled epoxy polymers. Journal of Materials Science, 2011, 46, 659-669.	1.7	83
57	Advanced Calculation of the Room-Temperature Shapes of Unsymmetric Laminates. Journal of Composite Materials, 1999, 33, 1472-1490.	1.2	80
58	Fracture behaviour of fumed silica/epoxy nanocomposites. Composites Part A: Applied Science and Manufacturing, 2008, 39, 1851-1858.	3.8	76
59	Improvement of compressive strength after impact in fibre reinforced polymer composites by matrix modification with thermally reduced graphene oxide. Composites Science and Technology, 2013, 87, 36-41.	3.8	74
60	Nanocomposite toughness from a pull-out mechanism. Composites Science and Technology, 2013, 83, 27-31.	3.8	74
61	Long-Term Fatigue Behavior of Composite Materials. , 1983, , 136-159.		74
62	Microscopic yielding of CF/epoxy composites and the effect on the formation of thermal residual stresses. Composites Science and Technology, 2005, 65, 1626-1635.	3.8	73
63	Morphological investigations of polyethylene fibre reinforced polyethylene. Polymer, 1999, 40, 843-847.	1.8	72
64	Advanced calculation of the room-temperature shapes of thin unsymmetric composite laminates. Composite Structures, 1995, 32, 627-633.	3.1	70
65	A comparative investigation of electrical resistance and acoustic emission during cyclic loading of CFRP laminates. Composites Science and Technology, 2001, 61, 831-835.	3.8	70
66	On the relation between crack densities, stiffness degradation, and surface temperature distribution of tensile fatigue loaded glass-fibre non-crimp-fabric reinforced epoxy. Composites Part A: Applied Science and Manufacturing, 2006, 37, 222-228.	3.8	69
67	Multiwall carbon nanotube/epoxy composites produced by a masterbatch process. Mechanics of Composite Materials, 2006, 42, 395-406.	0.9	69
68	Solution impregnation of polyethylene fibre/polyethylene matrix composites. Composites Part A: Applied Science and Manufacturing, 1998, 29, 371-376.	3.8	68
69	Synthesis and Properties of Syndiotactic Poly(propylene)/Carbon Nanofiber and Nanotube Composites Prepared by in situ Polymerization with Metallocene/MAO Catalysts. Macromolecular Chemistry and Physics, 2005, 206, 1472-1478.	1.1	68
70	Simultaneous global and local strain sensing in SWCNT–epoxy composites by Raman and impedance spectroscopy. Composites Science and Technology, 2011, 71, 160-166.	3.8	68
71	Hierarchical Aerographite nano-microtubular tetrapodal networks based electrodes as lightweight supercapacitor. Nano Energy, 2017, 34, 570-577.	8.2	67
72	The effects of creep and fatigue stress ratio on the long-term behaviour of angle-ply CFRP. Composite Structures, 2002, 57, 205-210.	3.1	65

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73	Nanocomposites based on multiblock polyester elastomers (PEE) and carbon nanotubes (CNT). Composite Interfaces, 2003, 10, 95-102.	1.3	59
74	Combined electrical and rheological properties of shear induced multiwall carbon nanotube agglomerates in epoxy suspensions. European Polymer Journal, 2011, 47, 2069-2077.	2.6	59
75	Compressive failure of UD-CFRP containing void defects: In situ SEM microanalysis. Composites Science and Technology, 2011, 71, 1242-1249.	3.8	58
76	A comparative study of the electrical and mechanical properties of epoxy nanocomposites reinforced by CVD- and arc-grown multi-wall carbon nanotubes. Composites Science and Technology, 2010, 70, 173-180.	3.8	57
77	3D carbon networks and their polymer composites: Fabrication and electromechanical investigations of neat Aerographite and Aerographite-based PNCs under compressive load. Carbon, 2017, 111, 103-112.	5.4	57
78	Strong light scattering and broadband (UV to IR) photoabsorption in stretchable 3D hybrid architectures based on Aerographite decorated by ZnO nanocrystallites. Scientific Reports, 2016, 6, 32913.	1.6	56
79	Electrical conductivity of carbon black/fibres filled glass-fibre-reinforced thermoplastic composites. Composites Part A: Applied Science and Manufacturing, 2006, 37, 1390-1395.	3.8	55
80	Towards nitrogen-containing CNTs for fuel cell electrodes. Composites Science and Technology, 2009, 69, 1570-1579.	3.8	55
81	Wet powder impregnation for polyethylene composites: preparation and mechanical properties. Composites Part A: Applied Science and Manufacturing, 1999, 30, 369-373.	3.8	53
82	Influence of voids on the compressive failure behaviour of fibre-reinforced composites. Composites Science and Technology, 2015, 117, 225-233.	3.8	53
83	Fretting wear performance of glass-, carbon-, and aramid-fibre/epoxy and peek composites. Wear, 1990, 135, 207-216.	1.5	52
84	Influence of surface treatment on mechanical behaviour of fumed silica/epoxy resin nanocomposites. Composite Interfaces, 2006, 13, 699-715.	1.3	52
85	Is It Worth the Effort to Reinforce Polymers With Carbon Nanotubes?. Macromolecular Theory and Simulations, 2011, 20, 350-362.	0.6	52
86	Percolation in carbon black filled epoxy resin. Macromolecular Symposia, 1996, 104, 261-268.	0.4	51
87	Temperature dependence of electrical conductivity in double-wall and multi-wall carbon nanotube/polyester nanocomposites. Journal of Materials Science, 2007, 42, 9689-9695.	1.7	50
88	Pressure and temperature induced electrical resistance change in nano-carbon/epoxy composites. Composites Science and Technology, 2015, 115, 1-8.	3.8	49
89	Low powered, tunable and ultra-light aerographite sensor for climate relevant gas monitoring. Journal of Materials Chemistry A, 2016, 4, 16723-16730.	5.2	49
90	Templating of crystallization and shear-induced self-assembly of single-wall carbon nanotubes in a polymer-nanocomposite. Polymer, 2006, 47, 341-345.	1.8	45

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91	Three-dimensional Aerographite-GaN hybrid networks: Single step fabrication of porous and mechanically flexible materials for multifunctional applications. Scientific Reports, 2015, 5, 8839.	1.6	45
92	Determining the effect of voids in GFRP on the damage behaviour under compression loading using acoustic emission. Composites Part B: Engineering, 2015, 70, 184-188.	5.9	44
93	Electro-mechanical piezoresistive properties of three dimensionally interconnected carbon aerogel (Aerographite)-epoxy composites. Composites Science and Technology, 2016, 134, 226-233.	3.8	44
94	On modelling the mechanical degradation of fatigue loaded glass-fibre non-crimp fabric reinforced epoxy laminates. Composites Science and Technology, 2006, 66, 657-664.	3.8	43
95	The imaging mechanism, imaging depth, and parameters influencing the visibility of carbon nanotubes in a polymer matrix using an SEM. Carbon, 2011, 49, 1955-1964.	5.4	43
96	Improvement of carbon nanotube dispersion in thermoplastic composites using a three roll mill at elevated temperatures. Composites Science and Technology, 2013, 74, 78-84.	3.8	43
97	Sliding wear performance of HD-PE reinforced by continuous UHMWPE fibres. Wear, 2000, 244, 20-28.	1.5	42
98	Catalytically active CNT–polymer-membrane assemblies: From synthesis to application. Journal of Membrane Science, 2008, 321, 123-130.	4.1	41
99	Titania-doped multi-walled carbon nanotubes epoxy composites: Enhanced dispersion and synergistic effects in multiphase nanocomposites. Polymer, 2008, 49, 5105-5112.	1.8	40
100	On the influence of nanotube properties, processing conditions and shear forces on the electrical conductivity of carbon nanotube epoxy composites. Nanotechnology, 2009, 20, 155703.	1.3	40
101	The production of aligned MWCNT/polypyrrole composite films. Carbon, 2013, 60, 229-235.	5.4	40
102	Electrically conductive glass fibre reinforced epoxy resin. Materials Research Innovations, 1998, 2, 164-169.	1.0	38
103	Melt processing and filler/matrix interphase in carbon nanotube reinforced poly(etherâ€ester) thermoplastic elastomer. Polymer Engineering and Science, 2008, 48, 2033-2038.	1.5	38
104	Lamb waves for non-contact fatigue state evaluation of composites under various mechanical loading conditions. Composites Part A: Applied Science and Manufacturing, 2012, 43, 1203-1211.	3.8	38
105	Morphological influence of carbon nanofillers on the piezoresistive response of carbon nanoparticle/epoxy composites under mechanical load. European Polymer Journal, 2016, 85, 198-210.	2.6	38
106	Anomalous small-angle X-ray scattering characterization of composites based on sulfonated poly(ether ether ketone), zirconium phosphates, and zirconium oxide. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 567-575.	2.4	35
107	Photo-elastic analysis of fibre-reinforced model composite materials. Composites Science and Technology, 1997, 57, 859-867.	3.8	34
108	Organic modification of layered silicates: structural and thermal characterizations. Journal of Non-Crystalline Solids, 2005, 351, 970-975.	1.5	34

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109	Comparison of new conductive adhesives based on silver and carbon nanotubes for solar cells interconnection. Solar Energy Materials and Solar Cells, 2013, 109, 155-159.	3.0	34
110	Thermally reduced graphene oxide acting as a trap for multiwall carbon nanotubes in bi-filler epoxy composites. Composites Part A: Applied Science and Manufacturing, 2013, 49, 51-57.	3.8	34
111	Anomalous water diffusion in epoxy/carbon nanoparticle composites. Polymer Degradation and Stability, 2019, 164, 127-135.	2.7	34
112	Degradation monitoring of impact damaged carbon fibre reinforced polymers under fatigue loading with pulse phase thermography. Composites Part B: Engineering, 2014, 59, 221-229.	5.9	33
113	Nafion®/ODF-silica composite membranes for medium temperature proton exchange membrane fuel cells. Journal of Power Sources, 2014, 246, 950-959.	4.0	32
114	Tough Alumina/Polymer Layered Composites with High Ceramic Content. Journal of the American Ceramic Society, 2015, 98, 1285-1291.	1.9	32
115	Nanomechanics of individual aerographite tetrapods. Nature Communications, 2017, 8, 14982.	5.8	32
116	Fracture, failure and compression behaviour of a 3D interconnected carbon aerogel (Aerographite) epoxy composite. Composites Science and Technology, 2016, 122, 50-58.	3.8	31
117	Influence of fibre and matrix failure strain on static and fatigue properties of carbon fibre-reinforced plastics. Composites Science and Technology, 1987, 29, 257-272.	3.8	30
118	Damage characterisation of fibre metal laminates under interlaminar shear load. Composites Part A: Applied Science and Manufacturing, 2009, 40, 925-931.	3.8	30
119	Improvement of bonding strength of scarf-bonded carbon fibre/epoxy laminates by Nd:YAG laser surface activation. Composites Part A: Applied Science and Manufacturing, 2014, 67, 123-130.	3.8	30
120	Strain-dependent electrical resistance of epoxy/MWCNT composite after hydrothermal aging. Composites Science and Technology, 2015, 117, 107-113.	3.8	30
121	Tailoring the electrical properties of MWCNT/epoxy composites controlling processing conditions. Composites Part A: Applied Science and Manufacturing, 2012, 43, 1441-1447.	3.8	29
122	Orientation Distribution of Vertically Aligned Multiwalled Carbon Nanotubes. Journal of Physical Chemistry C, 2014, 118, 9507-9513.	1.5	29
123	Fatigue behaviour and rate-dependent properties of aramid fibre/carbon fibre hybrid composites. Composites, 1989, 20, 537-544.	0.9	28
124	Damage mechanisms under tensile and fatigue loading of continuous fibre-reinforced metal-matrix composites. Composites, 1993, 24, 197-208.	0.9	28
125	Voids and their effect on the strain rate dependent material properties and fatigue behaviour of non-crimp fabric composites materials. Composites Part B: Engineering, 2015, 83, 346-351.	5.9	28
126	Permeability and Conductivity Studies on Ionomer-Polysilsesquioxane Hybrid Materials. Macromolecular Chemistry and Physics, 2006, 207, 336-341.	1.1	27

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127	Combined Raman and dielectric spectroscopy on the curing behaviour and stress build up of carbon nanotube–epoxy composites. Composites Science and Technology, 2009, 69, 1540-1546.	3.8	27
128	Fatigue Testing of Carbon Fibre Reinforced Polymers under VHCF Loading. , 2013, 2, 18-24.		27
129	Damage Mechanisms - Including Edge Effects - in Carbon Fibre-reinforced Composite Materials. Composite Materials Series, 1989, , 273-324.	0.2	26
130	Polyamideâ€12/Functionalized Carbon Nanofiber Composites: Evaluation of Thermal and Mechanical Properties. Macromolecular Materials and Engineering, 2010, 295, 397-405.	1.7	26
131	Individual hollow and mesoporous aero-graphitic microtube based devices for gas sensing applications. Applied Physics Letters, 2017, 110, .	1.5	26
132	Micromechanical properties of poly(butylene terephthalate) nanocomposites with single- and multi-walled carbon nanotubes. Composite Interfaces, 2006, 13, 33-45.	1.3	25
133	Investigation of shear thinning behavior and microstructures of MWCNT/epoxy and CNF/epoxy suspensions under steady shear conditions. European Polymer Journal, 2012, 48, 1042-1049.	2.6	25
134	Time and temperature dependent piezoresistance of carbon nanofiller/polymer composites under dynamic load. Journal of Materials Science, 2012, 47, 2648-2657.	1.7	25
135	X-ray microdiffraction and micro-Raman study on an injection moulding SWCNT-polymer nanocomposite. Composites Science and Technology, 2007, 67, 798-805.	3.8	24
136	Novel ceramic–polymer composites synthesized by compaction of polymer-encapsulated TiO2-nanoparticles. Composites Science and Technology, 2011, 72, 65-71.	3.8	24
137	Nondimensional simulation of influence of toughness of interface on tensile stress–strain behavior of unidirectional microcomposite. Composites Part A: Applied Science and Manufacturing, 2001, 32, 749-761.	3.8	23
138	Title is missing!. Composites Science and Technology, 2007, 67, 777.	3.8	23
139	Dissolution of MWCNTs by using polyoxadiazoles, and highly effective reinforcement of their composite films. Journal of Polymer Science Part A, 2010, 48, 5172-5179.	2.5	23
140	A Tunable Scaffold of Microtubular Graphite for 3D Cell Growth. ACS Applied Materials & Interfaces, 2016, 8, 14980-14985.	4.0	23
141	Fatigue behaviour of aligned short carbon-fibre reinforced polyimide and polyethersulphone composites. Journal of Materials Science, 1985, 20, 3353-3364.	1.7	22
142	Electrical conductivity of melt-spun thermoplastic poly(hydroxy ether of bisphenol A) fibres containing multi-wall carbon nanotubes. Polymer, 2016, 97, 80-94.	1.8	22
143	Thermomechanical Analysis of Micromechanical Formation of Residual Stresses and Initial Matrix Failure in CFRP. JSME International Journal Series A-Solid Mechanics and Material Engineering, 2004, 47, 349-356.	0.4	21
144	Functionalization of carbon nanofibers (CNFs) through atom transfer radical polymerization for the preparation of poly(<i>tert</i> â€butyl acrylate)/CNF materials: Spectroscopic, thermal, morphological, and physical characterizations. Journal of Polymer Science Part A, 2008, 46, 3326-3335.	2.5	20

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145	Characterization of the State of Dispersion of Carbon Nanotubes in Polymer Nanocomposites. Chemie-Ingenieur-Technik, 2011, 83, 767-781.	0.4	20
146	The life and death of carbon nanotubes. RSC Advances, 2012, 2, 2909.	1.7	20
147	Influence of artificial pre-stressing during curing of CFRP laminates on interfibre transverse cracking. Composites Science and Technology, 1992, 44, 361-367.	3.8	19
148	Sulfonated polyoxadiazole composites containing carbon nanotubes prepared via in situ polymerization. Composites Science and Technology, 2009, 69, 220-227.	3.8	19
149	Electric field effects on CNTs/vinyl ester suspensions and the resulting electrical and thermal composite properties. Composites Science and Technology, 2010, 70, 2102-2110.	3.8	19
150	Fundamentals of the temperature-dependent electrical conductivity of a 3D carbon foam—Aerographite. Synthetic Metals, 2018, 235, 145-152.	2.1	19
151	Studies on morphology and interphase of poly(butylene terephthalate)/carbon nanotubes nanocomposites. Polymer Engineering and Science, 2010, 50, 1571-1576.	1.5	18
152	Self-Organized Three-Dimensional Nanostructured Architectures in Bulk GaN Generated by Spatial Modulation of Doping. ECS Journal of Solid State Science and Technology, 2016, 5, P218-P227.	0.9	18
153	Micro/macro-mechanical approach of first ply failure in CFRP. Journal of Materials Science, 2006, 41, 6760-6767.	1.7	17
154	Thermal curing behavior of MWCNT modified vinyl esterâ€polyester resin suspensions prepared with 3â€roll milling technique. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 1511-1522.	2.4	17
155	Photoelastic study of stresses in the vicinity of a unique void in a fibre-reinforced model composite under compression. Composites Science and Technology, 2013, 84, 72-77.	3.8	17
156	Monte-Carlo simulation of multiple fracture in the transverse ply of cross-ply graphite-epoxy laminates. Journal of Materials Science, 1991, 26, 5433-5444.	1.7	16
157	Ionomer-silicates composite membranes: Permeability and conductivity studies. European Polymer Journal, 2005, 41, 1350-1356.	2.6	16
158	Effect of surface treatment on mode I interlaminar fracture behaviour of plain glass woven fabric composites: Part I. Report of the 2nd round-robin test results. Composite Interfaces, 2000, 7, 227-242.	1.3	15
159	EVIDENCE OF A TRANSCRYSTALLINE INTERPHASE IN FIBER PE HOMOCOMPOSITES AS REVEALED BY MICRODIFFRACTION EXPERIMENTS USING SYNCHROTRON RADIATION. Journal of Macromolecular Science - Physics, 2001, 40, 749-761.	0.4	15
160	Imaging of conductive filler networks in heterogeneous materials by scanning Kelvin microscopy. Journal of Applied Polymer Science, 2001, 82, 3381-3386.	1.3	15
161	Noncovalent functionalization of multiwalled and doubleâ€walled carbon nanotubes: Positive effect of the filler functionalization on high glass transition temperature epoxy resins. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 1860-1868.	2.4	15
162	SAXS/WAXS characterization of proton-conducting polymer membranes containing phosphomolybdic acid. Journal of Non-Crystalline Solids, 2005, 351, 2194-2199.	1.5	14

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163	Evaluation of a critical impact energy in GFRP under fatigue loading. Composites Science and Technology, 2014, 102, 28-34.	3.8	14
164	Characterization of a Cî—,Al metal matrix composite precursor. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1991, 135, 59-63.	2.6	13
165	Fretting fatigue of continuous carbon fibre reinforced polymer composites. Wear, 1991, 145, 167-188.	1.5	13
166	A comparative study for the calculation of the temperature dependent shapes of unsymmetric laminates based on finite element analysis and extended classical lamination theory. Mechanics of Composite Materials, 1995, 31, 247-254.	0.9	13
167	Impact of Filler Functionalisation on the Crystallinity, Thermal Stability and Mechanical Properties of Thermoplastic Elastomer/Carbon Nanotube Nanocomposites. Macromolecular Materials and Engineering, 2013, 298, 359-370.	1.7	13
168	Compression Fracture of CFRP Laminates Containing Stress Intensifications. Materials, 2017, 10, 1039.	1.3	13
169	Damage monitoring in polymer matrix structures. European Physical Journal Special Topics, 1993, 03, C7-1629-C7-1636.	0.2	12
170	A shear-lag approach to the early stage of interfacial failure in the fiber direction in notched two-dimensional unidirectional composites. Composites Science and Technology, 1997, 57, 775-785.	3.8	12
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