Fengge Gao

List of Publications by Year
in descending order

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20 papers	911 citations	687363 13 h-index	752698 20 g-index
21 all docs	21 docs citations	21 times ranked	1155 citing authors

#	Article	IF	Citations
1	Clay/polymer composites: the story. Materials Today, 2004, 7, 50-55.	14.2	294
2	Flame retardance in some polystyrenes and poly(methyl methacrylate)s with covalently bound phosphorus-containing groups: initial screening experiments and some laser pyrolysis mechanistic studies. Polymer Degradation and Stability, 2000, 69, 267-277.	5.8	129
3	A mechanistic study of fire retardancy of carbon nanotube/ethylene vinyl acetate copolymers and their clay composites. Polymer Degradation and Stability, 2005, 89, 559-564.	5.8	84
4	Polymer-layered silicate nanocomposites in the design of antimicrobial materials. Journal of Materials Science, 2008, 43, 5728-5733.	3.7	75
5	Nanoindentation Behavior of Clay/Poly(Ethylene Oxide) Nanocomposites. Journal of Nanoscience and Nanotechnology, 2002, 2, 73-79.	0.9	59
6	Strain amplitude response and the microstructure of PA/clay nanocomposites. Polymer, 2005, 46, 6429-6436.	3.8	42
7	The characterisation of cracks and voids in two-dimensional carbon-carbon composites. Carbon, 1993, 31, 103-108.	10.3	40
8	Nanoscale repetitive impact testing of polymer films. Journal of Materials Research, 2004, 19, 237-247.	2.6	28
9	Permanent, Nonâ€Leaching Antimicrobial Polyamide Nanocomposites Based on Organoclays Modified with a Cationic Polymer. Macromolecular Materials and Engineering, 2009, 294, 795-805.	3.6	27
10	Oniumâ€functionalised Polymers in the Design of Nonâ€leaching Antimicrobial Surfaces. Macromolecular Materials and Engineering, 2012, 297, 1038-1074.	3.6	24
11	Laser pyrolysis/time-of-flight mass spectrometry studies pertinent to the behaviour of flame-retarded polymers in real fire situations. Polymer Degradation and Stability, 1999, 64, 403-410.	5.8	20
12	Dielectric response of various partially cured epoxy nanocomposites. IEEE Transactions on Dielectrics and Electrical Insulation, 2013, 20, 580-591.	2.9	17
13	Influence of polymerisation conditions on the properties of polymer/clay nanocomposite hydrogels. Soft Matter, 2014, 10, 2035.	2.7	16
14	Layer expansion of layered silicates in solid polymer matrices by compression. Journal of Materials Science Letters, 2001, 20, 1807-1810.	0.5	12
15	A preliminary study of the surface properties of earthworms and their relations to non-stain behaviour. Journal of Bionic Engineering, 2010, 7, 13-18.	5.0	12
16	Investigation of the nanomechanical properties of nylon 6 and nylon 6/clay nanocomposites at sub-ambient temperatures. Journal of Experimental Nanoscience, 2016, 11, 695-706.	2.4	11
17	Multiple CVD densification of PAN-based carbon-fibre reinforced carbon laminates. Carbon, 1994, 32, 1215-1222.	10.3	7
18	Towards the optimisation of the densification of pan-based carbon-fibre-reinforced carbon laminates. Composites Science and Technology, 1997, 57, 483-490.	7.8	7

#	Article	IF	Citations
19	Probing polymer chain constraint and synergistic effects in nylon 6-clay nanocomposites and nylon 6-silica flake sub-micro composites with nanomechanics. Nanocomposites, 2015, 1, 185-194.	4.2	4
20	Computerization of Spectral Recording and Processing for Laser-Pyrolysis/Time-of-flight Mass Spectrometry. Rapid Communications in Mass Spectrometry, 1997, 11, 791-795.	1.5	3