Chin-Lung Chiang

List of Publications by Year
in descending order

46 papers	1,437 citations	331642 21 h-index	330122 37 g-index
49 all docs	49 docs citations	49 times ranked	1618 citing authors

#	Article	IF	Citations
1	Effects of Environmental Aging on the Durability of Wood-Flour Filled Recycled PET/PA6 Wood Plastic Composites. Journal of Polymers and the Environment, 2022, 30, 1300-1313.	5.0	3
2	Studies on Recycling Silane Controllable Recovered Carbon Fiber from Waste CFRP. Sustainability, 2022, 14, 700.	3.2	7
3	Study on preparation and properties of agricultural waste bagasse eco-type bio-flame-retardant/epoxy composites. Journal of Thermal Analysis and Calorimetry, 2021, 144, 525-538.	3.6	9
4	Flame Retardance and Char Analysis of an Eco-Friendly Polyurethane Hyperbranched Hybrid Using the Solâ€“Gel Method. Sustainability, 2021, 13, 486.	3.2	8
5	Peculiar effect of acylamino and cyan groups on thermal behavior of 2-(1-cyano-1-methylethyl)azocarboxamide. Journal of Loss Prevention in the Process Industries, 2021, 69, 104379.	3.3	2
6	An Experimental Study on Mechanical Behaviors of Carbon Fiber and Microwave-Assisted Pyrolysis Recycled Carbon Fiber-Reinforced Concrete. Sustainability, 2021, 13, 6829.	3.2	30
7	A Study on Circular Economy Material Using Fish Scales as a Natural Flame Retardant and the Properties of Its Composite Materials. Polymers, 2021, 13, 2446.	4.5	3
8	Thermal Stability, Smoke Density, and Flame Retardance of Ecotype Bio-Based Flame Retardant Agricultural Waste Bagasse/Epoxy Composites. Polymers, 2021, 13, 2977.	4.5	3
9	Effect of environmental aging on mechanical properties of graphene nanoplatelet/nanocarbon aerogel hybrid-reinforced epoxy/carbon fiber composite laminates. Composites Part A: Applied Science and Manufacturing, 2020, 130, 105718.	7.6	35
10	Effect of Wall Thickness on Stressâ€“Strain Response and Buckling Behavior of Hollow-Cylinder Rubber Fenders. Materials, 2020, 13, 1170.	2.9	5
11	Improvement of Flame Retardant Properties of Polyurethane Composites Using Microencapsulation Technology. Polymer-Plastics Technology and Materials, 2019, 58, 316-327.	1.3	4
12	Determination of the thermal hazard and decomposition behaviors of 2,2â€²-azobis-(2,4-dimethylvaleronitrile). Chemical Engineering Research and Design, 2019, 131, 55-62.	5.6	19
13	Preparation and Characteristics of an Environmentally Friendly Hyperbranched Flame-Retardant Polyurethane Hybrid Containing Nitrogen, Phosphorus, and Silicon. Polymers, 2019, 11, 720.	4.5	15
14	Improving Thermal Stability of Polyurethane through the Addition of Hyperbranched Polysiloxane. Polymers, 2019, 11, 697.	4.5	32
15	Multiapproach thermodynamic and kinetic characterization of the thermal hazards of 2,2â€²-azobis(2-methylpropionate) alone and when mixed with several solvents. Journal of Loss Prevention in the Process Industries, 2018, 51, 150-158.	3.3	29
16	Environmental aging effect on interlaminar properties of graphene nanoplatelets reinforced epoxy/carbon fiber composite laminates. Journal of Reinforced Plastics and Composites, 2018, 37, 1177-1190.	3.1	21
17	Carbon nanotube size effect on the mechanical properties and toughness of nanocomposites. Polymer Composites, 2018, 39, E1072.	4.6	10
18	The Effect of MBS Toughening for Mechanical Properties of Wood-Plastic Composites under Environmental Ageing. Polymers and Polymer Composites, 2018, 26, 45-58.	1.9	3

#	Article	IF	Citations
19	Characterization and Properties of Graphene Nanoplatelets/XNBR Nanocomposites. Polymers and Polymer Composites, 2018, 26, 59-68.	1.9	22
20	Mechanical Properties of Glass Bead-Modified Polymer Composite. Polymers and Polymer Composites, 2018, 26, 35-44.	1.9	17
21	Preparation and Performance of Ecofriendly Epoxy/Multilayer Graphene Oxide Composites with Flame-Retardant Functional Groups. Journal of Composites Science, 2018, 2, 18.	3.0	5
22	Impact and after-impact properties of nanocarbon aerogels reinforced epoxy/carbon fiber composite laminates. Composite Structures, 2018, 206, 828-838.	5.8	25
23	Preparation of expandable graphite and its flame retardant properties in <scp>HDPE</scp> composites. Polymer Composites, 2017, 38, 2378-2386.	4.6	12
24	Dynamic properties of carbon aerogel/epoxy nanocomposite and carbon fiber-reinforced composite beams. Journal of Reinforced Plastics and Composites, 2017, 36, 1745-1755.	3.1	7
25	Preparation and Flame Retardance of Polyurethane Composites Containing Microencapsulated Melamine Polyphosphate. Polymers, 2017, 9, 407.	4.5	20
26	Preparation, characterization and its flame retardance performance of microencapsulated ammonium polyphosphate/ bridged polysesquisiloxane polyurethane composites. Journal of Polymer Research, 2016, 23, 1.	2.4	11
27	Preparation, characterization of microencapsulated ammonium polyphosphate and its flame retardancy in polyurethane composites. Materials Chemistry and Physics, 2016, 173, 205-212.	4.0	39
28	Mechanical properties and toughness of carbon aerogel/epoxy polymer composites. Journal of Materials Science, 2015, 50, 3258-3266.	3.7	39
29	Preparation and properties of novel epoxy/graphene oxide nanosheets (GON) composites functionalized with flame retardant containing phosphorus and silicon. Materials Chemistry and Physics, 2014, 146, 354-362.	4.0	72
30	Study on thermal degradation and flame retardant property of halogenâ€free polypropylene composites using XPS and cone calorimeter. Journal of Applied Polymer Science, 2013, 127, 1084-1091.	2.6	30
31	A Study on Mechanical Properties of CNT-Reinforced Carbon/Carbon Composites. Journal of Nanomaterials, 2012, 2012, 1-6.	2.7	10
32	One-Step Reduction and Functionalization of Graphene Oxide with Phosphorus-Based Compound to Produce Flame-Retardant Epoxy Nanocomposite. Industrial & Engineering Chemistry Research, 2012, 51, 4573-4581.	3.7	195
33	Preparation of expandable graphite via H₂O₂â€hydrothermal process and its effect on properties of highâ€density polyethylene composites. Polymer Composites, 2012, 33, 872-880.	4.6	25
34	Tensile creep study and mechanical properties of carbon fiber nano-composites. Journal of Polymer Research, 2012, 19, 1.	2.4	16
35	Preparation, thermal stability and electrical properties of PMMA/functionalized graphene oxide nanosheets composites. Materials Chemistry and Physics, 2012, 134, 677-685.	4.0	64
36	Preparation of expandable graphite using a hydrothermal method and flame-retardant properties of its halogen-free flame-retardant HDPE composites. Journal of Polymer Research, 2011, 18, 483-488.	2.4	35

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37	Preparation, characterization, and thermal stability of novel PMMA/expandable graphite halogenâ€free flame retardant composites. Polymer Composites, 2010, 31, 18-24.	4.6	16
38	Flame retardance and thermal stability of carbon nanotube epoxy composite prepared from solâ€“gel method. Journal of Physics and Chemistry of Solids, 2010, 71, 539-543.	4.0	120
39	Novel epoxy/expandable graphite halogen-free flame retardant compositesâ^preparation, characterization, and properties. Journal of Polymer Research, 2010, 17, 315-323.	2.4	45
40	Preparation, characterization and thermal properties of organicâ€“inorganic composites involving epoxy and polyhedral oligomeric silsesquioxane (POSS). Journal of Polymer Research, 2010, 17, 673-681.	2.4	75
41	Synthesis, characterization and thermal properties of novel epoxy/expandable graphite composites. Polymer International, 2010, 59, 119-126.	3.1	47
42	Synthesis, characterization, and thermal stability of PMMA/SiO₂/TiO₂ tertiary nanocomposites via nonâ€hydrolytic solâ€“gel method. Journal of Applied Polymer Science, 2009, 113, 1959-1965.	2.6	26
43	Synthesis, characterization and properties of halogen-free flame retardant PMMA nanocomposites containing nitrogen/ silicon prepared from the Sol-Gel method. Journal of Polymer Research, 2009, 16, 637-646.	2.4	18
44	Synthesis, characterization, flame retardance and thermal properties of halogen-free expandable graphite/PMMA composites prepared from solâ€“gel method. Polymer Degradation and Stability, 2008, 93, 1357-1363.	5.8	40
45	Effect of P/Si polymeric silsesquioxane and the monomer compound on thermal properties of epoxy nanocomposite. European Polymer Journal, 2008, 44, 1003-1011.	5.4	24
46	Thermal stability and degradation kinetics of novel organic/inorganic epoxy hybrid containing nitrogen/silicon/phosphorus by solâ€“gel method. Thermochimica Acta, 2007, 453, 97-104.	2.7	143