Guozhan Jiang

List of Publications by Year
in descending order

23	1,707	394421 19	642732 23
papers	citations	h-index	g-index

23	23	23	2163
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Lumped kinetic modelling of polyolefin pyrolysis: A non-isothermal method to estimate rate constants. Journal of Analytical and Applied Pyrolysis, 2022, 164, 105530.	5.5	9
2	Understanding the Dechlorination of Chlorinated Hydrocarbons in the Pyrolysis of Mixed Plastics. ACS Sustainable Chemistry and Engineering, 2021, 9, 1576-1589.	6.7	33
3	Molten Solar Salt Pyrolysis of Mixed Plastic Waste: Process Simulation and Technoeconomic Evaluation. Energy & Fuels, 2020, 34, 7397-7409.	5.1	24
4	Effective Control against Broadleaf Weed Species Provided by Biodegradable PBAT/PLA Mulch Film Embedded with the Herbicide 2-Methyl-4-Chlorophenoxyacetic Acid (MCPA). ACS Sustainable Chemistry and Engineering, 2020, 8, 5360-5370.	6.7	46
5	Recycling Graphene from Supercapacitor Electrodes as Reinforcing Filler for Epoxy Resins. Waste and Biomass Valorization, 2019, 10, 215-221.	3.4	12
6	Biodegradable PBAT/PLA Blend with Bioactive MCPA-PHBV Conjugate Suppresses Weed Growth. Biomacromolecules, 2018, 19, 511-520.	5.4	42
7	Biomass Extraction Using Non-Chlorinated Solvents for Biocompatibility Improvement of Polyhydroxyalkanoates. Polymers, 2018, 10, 731.	4.5	45
8	Selective preparation and characterization of nano-hydroxyapatite/collagen coatings with three-dimensional network structure. Surface and Coatings Technology, 2017, 322, 227-237.	4.8	13
9	Forensic engineering of advanced polymeric materials Part IV: Case study of oxo-biodegradable polyethylene commercial bag â€“ Aging in biotic and abiotic environment. Waste Management, 2017, 64, 20-27.	7.4	28
10	The Molecular Level Characterization of Biodegradable Polymers Originated from Polyethylene Using Non-Oxygenated Polyethylene Wax as a Carbon Source for Polyhydroxyalkanoate Production. Bioengineering, 2017, 4, 73.	3.5	41
11	Carbon Sources for Polyhydroxyalkanoates and an Integrated Biorefinery. International Journal of Molecular Sciences, 2016, 17, 1157.	4.1	162
12	Oxidized Polyethylene Wax as a Potential Carbon Source for PHA Production. Materials, 2016, 9, 367.	2.9	46
13	Forensic engineering of advanced polymeric materials. Part III - Biodegradation of thermoformed rigid PLA packaging under industrial composting conditions. Waste Management, 2016, 52, 69-76.	7.4	64
14	The shear viscosity of carbon fibre suspension and its application for fibre length measurement. Rheologica Acta, 2016, 55, 1-10.	2.4	9
15	Structureâ€“property relationship of recycled carbon fibres revealed by pyrolysis recycling process. Journal of Materials Science, 2016, 51, 1949-1958.	3.7	40
16	Recycling supercapacitors based on shredding and mild thermal treatment. Waste Management, 2016, 48, 465-470.	7.4	32
17	A systematic study of the kinetics of lignin pyrolysis. Thermochimica Acta, 2010, 498, 61-66.	2.7	290
18	Effect of the Temperature on the Composition of Lignin Pyrolysis Products. Energy & Fuels, 2010, 24, 4470-4475.	5.1	274

#	Article	IF	Citations
19	Decomposition of Epoxy Resin in Supercritical Isopropanol. Industrial & Engineering Chemistry Research, 2010, 49, 4535-4541.	3.7	53
20	Characterisation of carbon fibres recycled from carbon fibre/epoxy resin composites using supercritical n-propanol. Composites Science and Technology, 2009, 69, 192-198.	7.8	205
21	Surface characterisation of carbon fibre recycled using fluidised bed. Applied Surface Science, 2008, 254, 2588-2593.	6.1	96
22	Soft ionisation analysis of evolved gas for oxidative decomposition of an epoxy resin/carbon fibre composite. Thermochimica Acta, 2007, 454, 109-115.	2.7	46
23	Preparation of poly(Îµ-caprolactone)/continuous bioglass fibre composite using monomer transfer moulding for bone implant. Biomaterials, 2005, 26, 2281-2288.	11.4	97