

Guozhan Jiang

List of Publications by Year in descending order

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23
papers

1,707
citations

394421

19
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

2163
citing authors

#	ARTICLE	IF	CITATIONS
1	A systematic study of the kinetics of lignin pyrolysis. <i>Thermochimica Acta</i> , 2010, 498, 61-66.	2.7	290
2	Effect of the Temperature on the Composition of Lignin Pyrolysis Products. <i>Energy & Fuels</i> , 2010, 24, 4470-4475.	5.1	274
3	Characterisation of carbon fibres recycled from carbon fibre/epoxy resin composites using supercritical n-propanol. <i>Composites Science and Technology</i> , 2009, 69, 192-198.	7.8	205
4	Carbon Sources for Polyhydroxyalkanoates and an Integrated Biorefinery. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1157.	4.1	162
5	Preparation of poly(μ -caprolactone)/continuous bioglass fibre composite using monomer transfer moulding for bone implant. <i>Biomaterials</i> , 2005, 26, 2281-2288.	11.4	97
6	Surface characterisation of carbon fibre recycled using fluidised bed. <i>Applied Surface Science</i> , 2008, 254, 2588-2593.	6.1	96
7	Forensic engineering of advanced polymeric materials. Part III - Biodegradation of thermoformed rigid PLA packaging under industrial composting conditions. <i>Waste Management</i> , 2016, 52, 69-76.	7.4	64
8	Decomposition of Epoxy Resin in Supercritical Isopropanol. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 4535-4541.	3.7	53
9	Soft ionisation analysis of evolved gas for oxidative decomposition of an epoxy resin/carbon fibre composite. <i>Thermochimica Acta</i> , 2007, 454, 109-115.	2.7	46
10	Oxidized Polyethylene Wax as a Potential Carbon Source for PHA Production. <i>Materials</i> , 2016, 9, 367.	2.9	46
11	Effective Control against Broadleaf Weed Species Provided by Biodegradable PBAT/PLA Mulch Film Embedded with the Herbicide 2-Methyl-4-Chlorophenoxyacetic Acid (MCPA). <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 5360-5370.	6.7	46
12	Biomass Extraction Using Non-Chlorinated Solvents for Biocompatibility Improvement of Polyhydroxyalkanoates. <i>Polymers</i> , 2018, 10, 731.	4.5	45
13	Biodegradable PBAT/PLA Blend with Bioactive MCPA-PHBV Conjugate Suppresses Weed Growth. <i>Biomacromolecules</i> , 2018, 19, 511-520.	5.4	42
14	The Molecular Level Characterization of Biodegradable Polymers Originated from Polyethylene Using Non-Oxygenated Polyethylene Wax as a Carbon Source for Polyhydroxyalkanoate Production. <i>Bioengineering</i> , 2017, 4, 73.	3.5	41
15	Structure-property relationship of recycled carbon fibres revealed by pyrolysis recycling process. <i>Journal of Materials Science</i> , 2016, 51, 1949-1958.	3.7	40
16	Understanding the Dechlorination of Chlorinated Hydrocarbons in the Pyrolysis of Mixed Plastics. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 1576-1589.	6.7	33
17	Recycling supercapacitors based on shredding and mild thermal treatment. <i>Waste Management</i> , 2016, 48, 465-470.	7.4	32
18	Forensic engineering of advanced polymeric materials Part IV: Case study of oxo-biodegradable polyethylene commercial bag "Aging in biotic and abiotic environment. <i>Waste Management</i> , 2017, 64, 20-27.	7.4	28

#	ARTICLE	IF	CITATIONS
19	Molten Solar Salt Pyrolysis of Mixed Plastic Waste: Process Simulation and Technoeconomic Evaluation. <i>Energy & Fuels</i> , 2020, 34, 7397-7409.	5.1	24
20	Selective preparation and characterization of nano-hydroxyapatite/collagen coatings with three-dimensional network structure. <i>Surface and Coatings Technology</i> , 2017, 322, 227-237.	4.8	13
21	Recycling Graphene from Supercapacitor Electrodes as Reinforcing Filler for Epoxy Resins. <i>Waste and Biomass Valorization</i> , 2019, 10, 215-221.	3.4	12
22	The shear viscosity of carbon fibre suspension and its application for fibre length measurement. <i>Rheologica Acta</i> , 2016, 55, 1-10.	2.4	9
23	Lumped kinetic modelling of polyolefin pyrolysis: A non-isothermal method to estimate rate constants. <i>Journal of Analytical and Applied Pyrolysis</i> , 2022, 164, 105530.	5.5	9