

Boon-Peng Chang, B P Chang, Boon Peng Chang

List of Publications by Citations

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28
papers

541
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23
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29
ext. papers

712
ext. citations

4.3
avg, IF

4.57
L-index

#	Paper	IF	Citations
28	Comparative study of micro- and nano-ZnO reinforced UHMWPE composites under dry sliding wear. <i>Wear</i> , 2013 , 297, 1120-1127	3.5	84
27	Comparative study of wear performance of particulate and fiber-reinforced nano-ZnO/ultra-high molecular weight polyethylene hybrid composites using response surface methodology. <i>Materials & Design</i> , 2014 , 63, 805-819		65
26	Optimization on wear performance of UHMWPE composites using response surface methodology. <i>Tribology International</i> , 2015 , 88, 252-262	4.9	57
25	Studies on durability of sustainable biobased composites: a review.. <i>RSC Advances</i> , 2020 , 10, 17955-17999	3.7	56
24	Mechanical and Tribological Properties of Zeolite-reinforced UHMWPE Composite for Implant Application. <i>Procedia Engineering</i> , 2013 , 68, 88-94		33
23	The effect of ZnO nanoparticles on the mechanical, tribological and antibacterial properties of ultra-high molecular weight polyethylene. <i>Journal of Reinforced Plastics and Composites</i> , 2014 , 33, 674-686	2.9	28
22	Mechanical and Antibacterial Properties of Treated and Untreated Zinc Oxide filled UHMWPE Composites. <i>Journal of Thermoplastic Composite Materials</i> , 2011 , 24, 653-667	1.9	28
21	Preparation, physicochemical and stability studies of chitosan-PNIPAM based responsive microgels under various pH and temperature conditions. <i>Iranian Polymer Journal (English Edition)</i> , 2015 , 24, 317-328	2.3	19
20	Tuning the compatibility to achieve toughened biobased poly(lactic acid)/poly(butylene terephthalate) blends.. <i>RSC Advances</i> , 2018 , 8, 27709-27724	3.7	17
19	Abrasive wear performance and antibacterial assessment of untreated and treated ZnO-reinforced polymer composite. <i>Polymer Composites</i> , 2013 , 34, 1020-1032	3	16
18	Strategy To Improve Printability of Renewable Resource-Based Engineering Plastic Tailored for FDM Applications. <i>ACS Omega</i> , 2019 , 4, 20297-20307	3.9	15
17	Novel sustainable biobased flame retardant from functionalized vegetable oil for enhanced flame retardancy of engineering plastic. <i>Scientific Reports</i> , 2019 , 9, 15971	4.9	14
16	Investigating the Effects of Operational Factors on Wear Properties of Heat-Treated Pultruded Kenaf Fiber-Reinforced Polyester Composites using Taguchi Method. <i>Journal of Natural Fibers</i> , 2019 , 16, 702-717	1.8	14
15	Bioresourced fillers for rubber composite sustainability: current development and future opportunities. <i>Green Chemistry</i> , 2021 , 23, 5337-5378	10	14
14	Sustainable biocarbon as an alternative of traditional fillers for poly(butylene terephthalate)-based composites: Thermo-oxidative aging and durability. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47722	2.9	13
13	Underutilized Agricultural Co-Product as a Sustainable Biofiller for Polyamide 6,6: Effect of Carbonization Temperature. <i>Molecules</i> , 2020 , 25,	4.8	13
12	Synergistic thermo-oxidative maleation of PA11 as compatibilization strategy for PA6 and PBT blend. <i>Polymer</i> , 2019 , 179, 121594	3.9	10

11	Tribological Characteristics of Green Biocomposites. <i>Green Energy and Technology</i> , 2017 , 149-179	0.6	8
10	Lignin derived nano-biocalbon and its deposition on polyurethane foam for wastewater dye adsorption. <i>International Journal of Biological Macromolecules</i> , 2021 , 185, 629-643	7.9	7
9	Flame synthesis of carbon nanoparticles from corn oil as a highly effective cationic dye adsorbent. <i>Chemosphere</i> , 2021 , 282, 131062	8.4	7
8	A comprehensive review of renewable and sustainable biosourced carbon through pyrolysis in biocomposites uses: Current development and future opportunity. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 152, 111666	16.2	7
7	Surface Modification of Flax Fibers for Manufacture of Engineering Thermoplastic Biocomposites. <i>Journal of Composites Science</i> , 2020 , 4, 64	3	6
6	Extrusion Based 3D Printing of Sustainable Biocomposites from Biocalbon and Poly(trimethylene terephthalate). <i>Molecules</i> , 2021 , 26,	4.8	4
5	Optimization on Abrasive Wear Performance of Pultruded Kenaf-Reinforced Polymer Composite Using Taguchi Method. <i>Key Engineering Materials</i> , 2017 , 739, 42-49	0.4	3
4	Preparation and functionalization of zinc oxide nanoparticles with polymer microgels for potential catalytic applications. <i>Journal of Dispersion Science and Technology</i> , 2020 , 1-14	1.5	1
3	Effect of a Small Amount of Synthetic Fiber on Performance of Biocalbon-Filled Nylon-Based Hybrid Biocomposites. <i>Macromolecular Materials and Engineering</i> , 2021 , 306, 2000680	3.9	1
2	The influence of surface roughness on material dislocation of microindentation using bonded interface technique. <i>Tribology - Materials, Surfaces and Interfaces</i> , 2019 , 13, 191-196	1.4	0
1	Reinforcing canola protein matrix with chemically tailored nanocrystalline cellulose improves the functionality of canola protein-based packaging materials.. <i>Food Chemistry</i> , 2022 , 383, 132618	8.5	0