

Diran Wang

List of Publications by Year in descending order

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23
papers

319
citations

933447

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839539

18
g-index

23
all docs

23
docs citations

23
times ranked

394
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on nanocellulose as a lightweight filler of polyolefin composites. Carbohydrate Polymers, 2020, 243, 116466.	10.2	54
2	Multifunctional polybenzoxazine nanocomposites containing photoresponsive azobenzene units, catalytic carboxylic acid groups, and pyrene units capable of dispersing carbon nanotubes. RSC Advances, 2015, 5, 45201-45212.	3.6	40
3	Functional Isotactic Polypropylenes via Efficient Direct Copolymerizations of Propylene with Various Amino-Functionalized α -Olefins. Macromolecules, 2019, 52, 9280-9290.	4.8	39
4	Graphene Oxide-Supported Catalyst with Thermoresponsive Smart Surface for Selective Hydrogenation of Cinnamaldehyde. ACS Applied Materials & Interfaces, 2019, 11, 16443-16451.	8.0	24
5	A study on the crystallization behavior and mechanical properties of poly(ethylene terephthalate) induced by chemical degradation nucleation. RSC Advances, 2017, 7, 37139-37147.	3.6	23
6	Fabrication of self-healable, conductive, and ultra-strong hydrogel from polyvinyl alcohol and grape seed-extracted polymer. Journal of Applied Polymer Science, 2020, 137, 49118.	2.6	22
7	A study on mediating the crystallization behavior of PBT through intermolecular hydrogen-bonding. RSC Advances, 2016, 6, 17510-17518.	3.6	21
8	Effect of an aryl amide derivative on the crystallization behaviour and impact toughness of poly(ethylene terephthalate). CrystEngComm, 2016, 18, 2135-2143.	2.6	15
9	Fabrication of antiseptic, conductive and robust polyvinyl alcohol/chitosan composite hydrogels. Journal of Polymer Research, 2020, 27, 1.	2.4	15
10	Hydrogen bonding interaction and crystallization behavior of poly (butylene succinate-co-butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.2	10
11	Lamellae Assembly in Dendritic Spherulites of Poly(L-lactic Acid) Crystallized with Poly(p-Vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	4.5	10
12	Enhanced crystallization behaviour and impact toughness of poly(ethylene terephthalate) with a phenyl phosphonic acid salts compound. Journal of Polymer Research, 2016, 23, 1.	2.4	8
13	Morphology Transition of Dual-Responsive ABC Terpolymer in Water: Effect of Hydrophobic Block. Macromolecular Chemistry and Physics, 2018, 219, 1800124.	2.2	8
14	The preparation of chain branching PLLA by intermolecular hydrogen bonding with 3-Pentadecylphenol and its crystallization, relaxation behavior and thermal stability. Journal of Polymer Research, 2019, 26, 1.	2.4	7
15	Facile fabrication of tough and biocompatible hydrogels from polyvinyl alcohol and agarose. Journal of Applied Polymer Science, 2021, 138, 50979.	2.6	7
16	A novel blend material to improve the crystallization and mechanical properties of poly (ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.4	4
17	Effects of crystal planes of ZnO nanocrystal on crystalline, thermal and thermal-oxidation stability of iPP. Journal of Polymer Research, 2021, 28, 1.	2.4	4
18	Confined Crystallization and Melting Behaviors of 3-Pentadecylphenol in Anodic Alumina Oxide Nanopores. ACS Omega, 2021, 6, 18235-18247.	3.5	4

#	ARTICLE	IF	CITATIONS
19	The synergistic role of acidic molecular sieve on flame retardant performance in PLA/MF@APP composite. <i>Journal of Polymer Research</i> , 2022, 29, 1.	2.4	3
20	The effect of sodium citrate and thermoplastic elastomer on the crystallization behavior and impact toughness of poly(ethylene terephthalate). <i>Polymer Crystallization</i> , 2019, 2, e10063.	0.8	1
21	Poly(ethylene 2,6-naphthalate) blends containing a phenylphosphonic acid salts compound with a highly enhanced crystallization rate. <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.4	0
22	The effect of a micro-crystalline ZnO with columnar structure on the crystallization behavior and mechanical properties of poly(ethylene 2,6-naphthalate). <i>CrystEngComm</i> , 2021, 23, 5655-5662.	2.6	0
23	Toughness enhancement of polyamide 6,12 with intermolecular hydrogen bonding with 3- <i>n</i> -pentadecylphenol. <i>Journal of Applied Polymer Science</i> , 0, , .	2.6	0