

Xing Zhou

List of Publications by Year in descending order

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50
papers

1,654
citations

279798

23
h-index

302126

39
g-index

51
all docs

51
docs citations

51
times ranked

1692
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances in Synthesis of Waterborne Polyurethane and Their Application in Water-based Ink: A Review. <i>Journal of Materials Science and Technology</i> , 2015, 31, 708-722.	10.7	210
2	Synthesis and characterization of low crystalline waterborne polyurethane for potential application in water-based ink binder. <i>Progress in Organic Coatings</i> , 2014, 77, 61-71.	3.9	133
3	Synthesis and properties of castor oil-based waterborne polyurethane/sodium alginate composites with tunable properties. <i>Carbohydrate Polymers</i> , 2019, 208, 391-397.	10.2	82
4	Cellulose nanocrystals obtained from office waste paper and their potential application in PET packing materials. <i>Carbohydrate Polymers</i> , 2018, 181, 376-385.	10.2	81
5	The mechanism for adsorption of Cr(VI) ions by PE microplastics in ternary system of natural water environment. <i>Environmental Pollution</i> , 2020, 257, 113440.	7.5	78
6	Thermal and Crystalline Properties of Waterborne Polyurethane by in situ water reaction process and the potential application as biomaterial. <i>Progress in Organic Coatings</i> , 2017, 104, 1-10.	3.9	66
7	Freestanding silver/polypyrrole composite film for multifunctional sensor with biomimetic micropattern for physiological signals monitoring. <i>Chemical Engineering Journal</i> , 2021, 404, 126940.	12.7	64
8	Morphology and thermal properties of polyurethane elastomer based on representative structural chain extenders. <i>Thermochimica Acta</i> , 2017, 653, 116-125.	2.7	61
9	Eco-friendly waterborne polyurethane reinforced with cellulose nanocrystal from office waste paper by two different methods. <i>Carbohydrate Polymers</i> , 2019, 209, 299-309.	10.2	55
10	Structure and thermal properties of various alcoholysis products from waste poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf, 50 382 T	7.4	52
11	Additive manufacturing of CNTs/PLA composites and the correlation between microstructure and functional properties. <i>Journal of Materials Science and Technology</i> , 2021, 60, 27-34.	10.7	50
12	Preparation and properties of α -phase graphene oxide/PVDF composite films. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	47
13	Synthesis and characterization of waterborne polyurethane dispersion from glycolized products of waste polyethylene terephthalate used as soft and hard segment. <i>International Journal of Adhesion and Adhesives</i> , 2017, 74, 49-56.	2.9	45
14	Polyurethane elastomer composites reinforced with waste natural cellulosic fibers from office paper in thermal properties. <i>Carbohydrate Polymers</i> , 2018, 197, 385-394.	10.2	45
15	Preparation, Characterization and Hot Storage Stability of Asphalt Modified by Waste Polyethylene Packaging. <i>Journal of Materials Science and Technology</i> , 2013, 29, 434-438.	10.7	44
16	Synthesis and characterization of vegetable oil based polyurethanes with tunable thermomechanical performance. <i>Industrial Crops and Products</i> , 2019, 140, 111711.	5.2	43
17	Design, preparation and measurement of protein/CNTs hybrids: A concise review. <i>Journal of Materials Science and Technology</i> , 2020, 46, 74-87.	10.7	43
18	Thermal properties of polyurethane elastomer with different flexible molecular chain based on para-phenylene diisocyanate. <i>Journal of Materials Science and Technology</i> , 2017, 33, 1424-1432.	10.7	41

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19	Various nanoparticle morphologies and surface properties of waterborne polyurethane controlled by water. <i>Scientific Reports</i> , 2016, 6, 34574.	3.3	40
20	New approach to recycle office waste paper: Reinforcement for polyurethane with nano cellulose crystals extracted from waste paper. <i>Waste Management</i> , 2019, 95, 59-69.	7.4	36
21	Preparation and characterization of Fe ₃ O ₄ -CNTs magnetic nanocomposites for potential application in functional magnetic printing ink. <i>Composites Part B: Engineering</i> , 2016, 89, 295-302.	12.0	35
22	Rheological properties and storage stability of asphalt modified with nanoscale polyurethane emulsion. <i>Petroleum Science and Technology</i> , 2018, 36, 85-90.	1.5	32
23	Facile preparation and characterization of fibrous carbon nanomaterial from waste polyethylene terephthalate. <i>Waste Management</i> , 2020, 107, 172-181.	7.4	28
24	Viscoelasticity of Asphalt Modified With Packaging Waste Expanded Polystyrene. <i>Journal of Materials Science and Technology</i> , 2014, 30, 939-943.	10.7	24
25	Correlation of Raw Materials and Waterborne Polyurethane Properties by Sequence Similarity Analysis. <i>Journal of Materials Science and Technology</i> , 2016, 32, 687-694.	10.7	20
26	Synthesis of waterborne polyurethane using snow as dispersant: Structures and properties controlled by polyols utilization. <i>Journal of Materials Science and Technology</i> , 2019, 35, 1491-1498.	10.7	17
27	Preparation and characterization of lysozyme@carbon nanotubes/waterborne polyurethane composite and the potential application in printing inks. <i>Progress in Organic Coatings</i> , 2020, 142, 105600.	3.9	15
28	Protean morphology of waterborne polyurethane dispersion: An overview of nanoparticles from sphere to irregular elongated shape. <i>Progress in Organic Coatings</i> , 2020, 146, 105742.	3.9	14
29	Growth of polypyrrole conductive and integrated hybrids with lysozyme nanolayer and the thermal properties. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 137, 105975.	7.6	13
30	Preparation and Characterization of Waterborne Polyurethane/Cellulose Nanocrystal Composite Membrane from Recycling Waste Paper. <i>Journal of Renewable Materials</i> , 2020, 8, 631-645.	2.2	13
31	The morphology and structure of natural clays from Yangtze River and their interactions with polyurethane elastomer. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 96, 46-56.	7.6	12
32	Characterization of the Antimicrobial Edible Film Based on Grasshopper Protein/Soy Protein Isolate/Cinnamaldehyde Blend Crosslinked With Xylose. <i>Frontiers in Nutrition</i> , 2022, 9, 796356.	3.7	12
33	Self-adhesive protein/polypyrrole hybrid film for flexible electronic sensors in physiological signal monitoring. <i>International Journal of Biological Macromolecules</i> , 2021, 181, 160-168.	7.5	10
34	Preparation and characterization of waterborne polyurethane containing PET waste/PPG as soft segment. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	9
35	Synthesis of Polyurethane Dispersions in Nanoparticles and Their Properties that Depend on Aging Time. <i>Journal of Dispersion Science and Technology</i> , 2015, 36, 1178-1189.	2.4	9
36	Various nanoparticle morphologies and wettability properties of aluminum oxide films controlled by water content during the hydrothermal reaction. <i>Journal of Alloys and Compounds</i> , 2018, 749, 180-188.	5.5	9

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37	MXenes: An emergent materials for packaging platforms and looking beyond. <i>Nano Select</i> , 2022, 3, 1123-1147.	3.7	9
38	Facile Preparation of Hydrophobic Aluminum Oxide Film via Sol-Gel Method. <i>Frontiers in Chemistry</i> , 2018, 6, 308.	3.6	7
39	Preparation and Characterization of Crystalline Hydroxyapatite Induced by Self-Assembled Peptide and the Potential Application in Remineralizing Dentin. <i>Advanced Engineering Materials</i> , 2021, 23, 2001470.	3.5	7
40	Lysozyme-based composite membranes and their potential application for active packaging. <i>Food Bioscience</i> , 2021, 43, 101078.	4.4	7
41	Preparation and characterization of organic pigments and their fluorescence properties depending on bulk structure. <i>Journal of Materials Science and Technology</i> , 2018, 34, 2218-2224.	10.7	6
42	Functional nano-fillers in waterborne polyurethane/acrylic composites and the thermal, mechanical, and dielectrical properties. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50822.	2.6	6
43	Patterning of polypyrrole using protein-based template and their potential application in resist. <i>Polymer</i> , 2021, 212, 123151.	3.8	5
44	Facile preparation of homogenous waterborne poly(urethane/acrylate) composites and the correlation between microstructure and improved properties. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50111.	2.6	4
45	Assembly and integration of conductive polypyrrole 2D nanofilm on protein nanolayer and the multiple potential applications. <i>Polymer</i> , 2021, 227, 123873.	3.8	3
46	Preparation of lysozyme/carbon nanotube hybrids and their interactions at the nano-bio interface. <i>Progress in Organic Coatings</i> , 2022, 163, 106659.	3.9	3
47	Protective behavior of volatile corrosion inhibitor on atmospheric corrosion process of carbon steel under thin electrolyte liquid film of chloride solutions. <i>Materials Express</i> , 2020, 10, 1435-1443.	0.5	3
48	Bio-based polyurethane aqueous dispersions. <i>ChemistrySelect</i> , 2023, 8, 1967-2000.	1.5	2
49	Facile preparation of functional and hybrid coatings by precipitations of polypyrrole and lysozyme via co-assembly process. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50954.	2.6	2
50	The construction of pyramid structure of micro aluminum oxide. <i>Ceramics International</i> , 2022, 48, 8733-8739.	4.8	1