Pingfan Xu

List of Publications by Year
in descending order

61 papers	1,124 citations	331259 21 h-index	454577 30 g-index
61 all docs	61 docs citations	61 times ranked	1526 citing authors

#	Article	IF	Citations
1	Asymmetric polyurethane membrane with in situâ€generated nanoâ€TiO₂ as wound dressing. Journal of Applied Polymer Science, 2011, 119, 1532-1541.	1.3	76
2	Sustainable Advanced Fenton-like Catalysts Based on Mussel-Inspired Magnetic Cellulose Nanocomposites to Effectively Remove Organic Dyes and Antibiotics. ACS Applied Materials & Interfaces, 2020, 12, 51952-51959.	4.0	64
3	Novel environmentally sustainable cardanol-based plasticizer covalently bound to PVC via click chemistry: synthesis and properties. RSC Advances, 2015, 5, 16980-16985.	1.7	59
4	Electrospun in-situ hybrid polyurethane/nano-TiO2 as wound dressings. Fibers and Polymers, 2011, 12, 207-213.	1.1	51
5	A magnetically-separable Fe₃O₄nanoparticle surface grafted with polyacrylic acid for chromium(<scp>iii</scp>) removal from tannery effluents. RSC Advances, 2015, 5, 50126-50136.	1.7	42
6	Synergistic effect of phosphorusâ€“nitrogen and silicon-containing chain extenders on the mechanical properties, flame retardancy and thermal degradation behavior of waterborne polyurethane. RSC Advances, 2016, 6, 72409-72422.	1.7	40
7	Synthesis of selfâ€matting waterborne polyurethane coatings with excellent transmittance. Polymer International, 2018, 67, 78-84.	1.6	38
8	Remediation of chromium(<scp>iii</scp>)-contaminated tannery effluents by using gallic acid-conjugated magnetite nanoparticles. RSC Advances, 2016, 6, 29054-29063.	1.7	37
9	Effect of surface free energy and wettability on the adhesion property of waterborne polyurethane adhesive. RSC Advances, 2016, 6, 99346-99352.	1.7	32
10	Flame retardancy, mechanical, and thermal properties of waterborne polyurethane conjugated with a novel phosphorous-nitrogen intumescent flame retardant. Polymer Composites, 2017, 38, 452-462.	2.3	31
11	Surfactant-assisted hydrothermal synthesis of rGO/SnIn₄S₈ nanosheets and their application in complete removal of Cr(<scp>vi</scp>). RSC Advances, 2018, 8, 5749-5759.	1.7	30
12	Stepwise Deprotonation of Magnetite-Supported Gallic Acid Modulates Oxidation State and Adsorption-Assisted Translocation of Hexavalent Chromium. ACS Applied Materials & Interfaces, 2017, 9, 15525-15532.	4.0	27
13	Water vapor permeability of the polyurethane/TiO2 nanohybrid membrane with temperature sensitivity. Journal of Applied Polymer Science, 2008, 109, 3002-3007.	1.3	26
14	Asymmetric polyurethane membrane with inflammation-responsive antibacterial activity for potential wound dressing application. Journal of Materials Science, 2013, 48, 6625-6639.	1.7	26
15	Preparation of Flame-Retardant Polyurethane and Its Applications in the Leather Industry. Polymers, 2021, 13, 1730.	2.0	26
16	Antimicrobial polyurethane synthetic leather coating with In-situ generated Nano-TiO2. Fibers and Polymers, 2010, 11, 689-694.	1.1	25
17	Facile synthesis of a triptyceneâ€based porous organic polymer with a high efficiency and recyclable adsorption for organic dyes. Journal of Applied Polymer Science, 2019, 136, 47987.	1.3	25
18	Synthesis and Application of Phosphorus-containing Flame Retardant Plasticizer for Polyvinyl Chloride. Fibers and Polymers, 2018, 19, 1057-1063.	1.1	24

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19	Thermo-sensitive polyurethane membrane with controllable water vapor permeation for food packaging. Macromolecular Research, 2009, 17, 528-532.	1.0	23
20	Z-Schemed WO3/rGO/SnIn4S8 Sandwich Nanohybrids for Efficient Visible Light Photocatalytic Water Purification. Catalysts, 2019, 9, 187.	1.6	23
21	The Biodegradabilities of Different Oil-Based Fatliquors. JAOCS, Journal of the American Oil Chemists' Society, 2011, 88, 1029-1036.	0.8	22
22	Novel environmentally sustainable cardanol-based plasticizers: synthesis and properties. Polymer International, 2016, 65, 464-472.	1.6	20
23	Waterborne polyurethane conjugated with novel diol chain-extender bearing cyclic phosphoramidate lateral group: synthesis, flammability and thermal degradation mechanism. RSC Advances, 2016, 6, 56610-56622.	1.7	20
24	Study on the release behaviors of berberine hydrochloride based on sandwich nanostructure and shape memory effect. Materials Science and Engineering C, 2020, 109, 110541.	3.8	20
25	Improving collagen extraction through an alternative strategy based on succinic anhydride pretreatment to retain collagen's tripleâ€helix structure. Journal of Applied Polymer Science, 2017, 134, 45424.	1.3	18
26	Studies on organosoluble polyimides based on a series of new asymmetric and symmetric dianhydrides: Structure/solubility and thermal property relationships. Macromolecular Research, 2012, 20, 10-20.	1.0	17
27	Design, characterization, dyeing properties, and application of acid-dyeable polyurethane in the manufacture of microfiber synthetic leather. Fibers and Polymers, 2015, 16, 1970-1980.	1.1	17
28	Sunlightâ€activated long persistent luminescent polyurethane incorporated with aminoâ€functionalized <scp>SrAl₂O₄</scp>:Eu²⁺,Dy³⁺ phosphor. Polymer International, 2016, 65, 1238-1244.	1.6	17
29	Antibacterial and Antioxidant Composite Fiber Prepared from Polyurethane and Polyacrylonitrile Containing Tea Polyphenols. Fibers and Polymers, 2020, 21, 103-110.	1.1	16
30	A thermochromic luminous polyurethane based on long persistent luminescent phosphors and thermochromic pigment. New Journal of Chemistry, 2018, 42, 5066-5070.	1.4	15
31	Polyacrylic acid-grafted magnetite nanoparticles for remediation of Pb(II)-contained water. Fibers and Polymers, 2016, 17, 1131-1139.	1.1	14
32	Poly(N-acryloyl ciprofloxacin-co-acrylic acid) grafted magnetite nanoparticles for microbial decontamination of collagen solution: have we conquered the problem of antimicrobial residues?. Polymer Chemistry, 2015, 6, 8150-8160.	1.9	13
33	Synthesis and Characterization of Highly Organosoluble Polyimides Based on a New Asymmetric Dianhydride. Designed Monomers and Polymers, 2012, 15, 53-62.	0.7	12
34	Preparation of Thermal and pH Dually Sensitive Polyurethane Membranes and Their Properties. Journal of Macromolecular Science - Physics, 2014, 53, 398-411.	0.4	11
35	Collagen modified with epoxidized safrole for improving antibacterial activity. RSC Advances, 2017, 7, 50300-50306.	1.7	11
36	Synthesis of core-shell fluorinated acrylate copolymers and its application as finishing agent for textile. Fibers and Polymers, 2017, 18, 1848-1857.	1.1	11

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37	Sulfonated poly(styrene-divinylbenzene-glycidyl methacrylate)-capsulated magnetite nanoparticles as a recyclable catalyst for one-step biodiesel production from high free fatty acid-containing feedstocks. New Journal of Chemistry, 2018, 42, 13074-13080.	1.4	11
38	Effect of mechanical properties on the selfâ€healing behavior of waterborne polyurethane coatings. Journal of Applied Polymer Science, 2022, 139, .	1.3	11
39	Novel side-chain liquid-crystalline polyimide for film materials. Journal of Polymer Science Part A, 2003, 41, 554-559.	2.5	10
40	Hydroxyl-decorated ammonium polyphosphate as flame retardant reinforcing agent in solvent-free two-component polyurethane. Polymer International, 2017, 66, 1598-1609.	1.6	9
41	Poly(methylmethacrylate) microspheres with matting characteristic prepared by dispersion polymerization. International Journal of Polymer Analysis and Characterization, 2019, 24, 731-740.	0.9	9
42	A photochromic long persistent luminescent polyurethane based on a colour conversion process. New Journal of Chemistry, 2017, 41, 15405-15410.	1.4	8
43	Low-Power Near-Infrared-Responsive Upconversion Nanovectors. ACS Applied Materials & Interfaces, 2021, 13, 7094-7101.	4.0	8
44	Nano-SiO2 in-situ hybrid polyurethane leather coating with enhanced breathability. Fibers and Polymers, 2010, 11, 241-248.	1.1	7
45	Switchable Control of Antibiotic Activity: A Shape-Shifting â€œTailâ€•Strategy. Bioconjugate Chemistry, 2018, 29, 74-82.	1.8	7
46	Thermal sensitive polyurethane membranes with desirable switch temperatures. Macromolecular Research, 2010, 18, 1053-1059.	1.0	6
47	Thermosensitive polyurethane film and finished leather with controllable water vapor permeability. Journal of Applied Polymer Science, 2010, 117, 1820-1827.	1.3	6
48	Interfacial regions in spherical nanoparticle-doped glassy polymers: interfaces or interphases?. Polymer Chemistry, 2016, 7, 3398-3405.	1.9	6
49	808Ânm Nearâ€Infrared Lightâ€Triggered Payload Release from Green Lightâ€Responsive Donorâ€“Acceptor Stenhouse Adducts Polymerâ€Coated Upconversion Nanoparticles. Macromolecular Rapid Communications, 2021, 42, 2100318.	2.0	6
50	Enhanced properties of polyvinyl chloride modified by graphene reinforced thermoplastic polyurethane. Polymer International, 2017, 66, 925-930.	1.6	5
51	Light-mediated formation and dissociation of a two-dimensional supramolecular polymer sheet: one step closer to sustainability. Journal of Materials Chemistry A, 2019, 7, 13180-13187.	5.2	5
52	A Fluorescent Polyurethane with Covalently Cross-Linked Rhodamine Derivatives. Polymers, 2020, 12, 1989.	2.0	5
53	Spiropyranâ€Appended Cucurbit[6]uril Enabling Direct Generation of 2D Materials inside Living Cells. Small, 2021, , 2102392.	5.2	5
54	Probing Anionâ^'Ï€ Interactions between Fluoroarene and Carboxylate Anion in Aqueous Solutions. Journal of Colloid and Interface Science, 2022, 615, 778-785.	5.0	5

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55	Synthesis, Characterization, and Optical Performance of a Novel Fluorescent Waterborne Polyurethane. Advances in Polymer Technology, 2017, 36, 137-144.	0.8	4
56	Load Transference with the Gain of Excessive Body Mass: A Two-Year Longitudinal Study. International Journal of Environmental Research and Public Health, 2021, 18, 2879.	1.2	3
57	Sustainable Indicators Based on Furfural-Derived Colorant-Doped Biobased Polyurethane to Improve Food Safety. ACS Sustainable Chemistry and Engineering, 2022, 10, 8624-8630.	3.2	3
58	In-situ self reinforced polyimide for film materials. Polymer International, 2001, 50, 1331-1337.	1.6	2
59	A Novel Biodegradable Fluorine-Containing Copolymer Surfactant. Journal of Polymers and the Environment, 2010, 18, 339-345.	2.4	2
60	Treatment of microfiber alkali weightâ€reduction wastewater with high salt concentration by Fenton oxidation and bacterial degradation. Water and Environment Journal, 2020, 34, 309-319.	1.0	2
61	Recovery of the Foot Loading Patterns of Children with Excess Weight after Losing Weight: A 3-Year Longitudinal Study. Children, 2022, 9, 595.	0.6	0