Zhong Wei

List of Publications by Year
in descending order

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45 papers	980 citations	430874 18 h-index	454955 30 g-index
45 all docs	45 docs citations	45 times ranked	1276 citing authors

#	Article	IF	Citations
1	Predictive molecular thermodynamic models for ionic liquids. AICHE Journal, 2022, 68, .	3.6	21
2	Synthesis of phytic acidâ€based compounds for improving the mechanical properties and fire performances of poly(lactic acid). Journal of Vinyl and Additive Technology, 2022, 28, 459-473.	3.4	2
3	Mesoporous polystyrene-based microspheres with polar functional surface groups synthesized from double emulsion for selective isolation of acetoside. Journal of Chromatography A, 2022, 1662, 462720.	3.7	7
4	(3-Aminopropyl) Triethoxysilane-Modified ZIF-90 Nanoparticle/Polydimethylsiloxane Mixed Matrix Membranes for Ethanol Recovery via Pervaporation. ACS Applied Nano Materials, 2022, 5, 183-194.	5.0	17
5	Synthesis of glycerol carbonate with high surface area ZrO2â€“KOH catalyst. Research on Chemical Intermediates, 2022, 48, 2557-2573.	2.7	4
6	Increasing the Production of Reactive Oxygen Species through a Ferroptosis Pathway Disrupts the Redox Balance of Tumor Cells for Cancer Treatment. ACS Applied Polymer Materials, 2022, 4, 5001-5011.	4.4	4
7	Intensification of water/ethanol separation by PVA hybrid membrane with different functional ligand UiO-66-X nanochannels in pervaporation process. Separation and Purification Technology, 2021, 256, 117802.	7.9	31
8	Structurally ordered nanofiltration membranes prepared by spatially anchoring interfacial polymerization for highly efficient separation properties. Korean Journal of Chemical Engineering, 2021, 38, 1956-1969.	2.7	2
9	Construction of a Drug Delivery System via pH-Responsive Polymeric Nanomicelles Containing Ferrocene for DOX Release and Enhancement of Therapeutic Effects. ACS Omega, 2021, 6, 28242-28253.	3.5	11
10	Morphology, mechanical property, and processing thermal stability of PVC/Laâ€OMMTs nanocomposites prepared via in situ intercalative polymerization. Journal of Vinyl and Additive Technology, 2020, 26, 97-108.	3.4	8
11	Multiarm hyperbranched polyesterâ€bâ€Poly(Îµâ€caprolactone):Plasticization effect and migration resistance for PVC. Journal of Vinyl and Additive Technology, 2020, 26, 35-42.	3.4	23
12	Functionalized polyesters derived from glycerol: Selective polycondensation methods toward glycerolâ€based polyesters by different catalysts. Journal of Applied Polymer Science, 2020, 137, 48574.	2.6	15
13	Difunctional Fluorescence Nanoparticles for Accurate Tracing of Nanopesticide Fate and Crop Protection Prepared by Flash Nanoprecipitation. Journal of Agricultural and Food Chemistry, 2020, 68, 735-741.	5.2	12
14	Toughening of Poly(<scp>l</scp>-Lactide) with Branched Polycaprolactone: Effect of Chain Length. ACS Omega, 2020, 5, 29284-29291.	3.5	22
15	Positively Charged Polysulfonamide Nanocomposite Membranes Incorporating Hydrophilic Triazine-Structured COFs for Highly Efficient Nanofiltration. ACS Applied Nano Materials, 2020, 3, 9329-9339.	5.0	41
16	Effect of segment structure on the thermal stability ofCPVCin theGasâ€“Solid PVCchlorination process. Journal of Applied Polymer Science, 2020, 137, 49396.	2.6	1
17	Cross-linking of poly(dimethylaminoethyl methacrylate) by phytic acid: pH-responsive adsorbent for high-efficiency removal of cationic and anionic dyes. RSC Advances, 2020, 10, 4232-4242.	3.6	19
18	Syntheses of high molecular weight hydroxy functional copolymers by green and selective polycondensation methods. RSC Advances, 2020, 10, 6414-6422.	3.6	3

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19	Extraction of steviol glycosides from Stevia rebaudiana (Bertoni) leaves by highâ€speed shear homogenization extraction. Journal of Food Processing and Preservation, 2019, 43, e14250.	2.0	7
20	An acid-stable positively charged polysulfonamide nanofiltration membrane prepared by interfacial polymerization of polyallylamine and 1,3-benzenedisulfonyl chloride for water treatment. RSC Advances, 2019, 9, 2042-2054.	3.6	42
21	Highly Active Ruthenium Catalyst Supported on Barium Hexaaluminate for Ammonia Decomposition to CO_x-Free Hydrogen. ACS Sustainable Chemistry and Engineering, 2019, 7, 8226-8235.	6.7	72
22	The influence of twoâ€stage variable temperature suspension polymerization on polyvinyl chloride resin: The molecular chain segment structure and thermal stability. Journal of Vinyl and Additive Technology, 2019, 25, E80.	3.4	2
23	Viscosity-driven in situ self-assembly strategy to fabricate cross-linked ZIF-90/PVA hybrid membranes for ethanol dehydration via pervaporation. Separation and Purification Technology, 2018, 201, 256-267.	7.9	52
24	Novel branched poly(É›â€caprolactone) as a nonmigrating plasticizer in flexible <scp>PVC</scp>: Synthesis and characterization. Journal of Applied Polymer Science, 2018, 135, 46542.	2.6	30
25	Highly sensitive and rapid chemiresistive sensor towards trace nitro-explosive vapors based on oxygen vacancy-rich and defective crystallized In-doped ZnO. Sensors and Actuators B: Chemical, 2017, 244, 983-991.	7.8	57
26	Construction of chain segment structure models, and effects on the initial stage of the thermal degradation of poly(vinyl chloride). RSC Advances, 2017, 7, 37268-37275.	3.6	10
27	Agitating transformation during vinyl chloride suspension polymerization: aggregation morphology and PVC properties. RSC Advances, 2017, 7, 24022-24029.	3.6	12
28	Kinetics of Sn(Oct)2-catalyzed ring opening polymerization of Îµ-caprolactone. Macromolecular Research, 2017, 25, 1070-1075.	2.4	20
29	In-situ generation of iron-dopamine nanoparticles with hybridization and cross-linking dual-functions in poly (vinyl alcohol) membranes for ethanol dehydration via pervaporation. Separation and Purification Technology, 2017, 188, 282-292.	7.9	25
30	Mechanical properties, flame retardancy, and smoke suppression of lanthanum organic montmorillonite/poly(vinyl chloride) nanocomposites. Journal of Applied Polymer Science, 2016, 133, .	2.6	16
31	The preparation of <scp>SPEEK</scp>/phosphate salts membranes and application for <scp>CO₂/CH₄</scp> separation. Journal of Applied Polymer Science, 2016, 133, .	2.6	5
32	Molecular chain model construction, thermo-stability, and thermo-oxidative degradation mechanism of poly(vinyl chloride). RSC Advances, 2016, 6, 31898-31905.	3.6	22
33	Mixed-Matrix Membranes Containing Carbon Nanotubes Composite with Hydrogel for Efficient CO₂ Separation. ACS Applied Materials & Interfaces, 2016, 8, 29044-29051.	8.0	111
34	Hydrophilic surface modification of DPVC nanofibrous membrane by free-radical graft polymerization. Fibers and Polymers, 2016, 17, 663-670.	2.1	7
35	Green synthesis of AgNPs/reduced graphene oxide nanocomposites and effect on the electrical performance of electrically conductive adhesives. Journal of Materials Science: Materials in Electronics, 2016, 27, 3540-3548.	2.2	16
36	Surface chemistry, topology and desalination performance controlled positively charged NF membrane prepared by polydopamine-assisted graft of starburst PAMAM dendrimers. RSC Advances, 2016, 6, 4673-4682.	3.6	24

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37	High-performance SPEEK/amino acid salt membranes for CO2 separation. RSC Advances, 2016, 6, 2252-2258.	3.6	22
38	Effect of cross-linking on rheological properties and a model for flexibility-rigidity transition in SBS/PBMA LIPNs. Journal of Polymer Engineering, 2016, 36, 149-156.	1.4	3
39	Polydopamine-mediated surface functionalization of electrospun nanofibrous membranes: Preparation, characterization and their adsorption properties towards heavy metal ions. Applied Surface Science, 2015, 346, 207-215.	6.1	85
40	UV-Visible Spectrophotometry for the Determination of Conjugated Polyene Structures of Poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 20, 240-249.	1.9	5
41	The modification of lanthanumâ€exchanged montmorillonite with anionic surfactants to enhance the thermal stability of polyvinyl chloride. Journal of Applied Polymer Science, 2015, 132, .	2.6	6
42	Effect of interfacial interaction between graphene oxide derivatives and poly(vinyl chloride) upon the mechanical properties of their nanocomposites. Journal of Materials Science, 2014, 49, 2943-2951.	3.7	48
43	Synthesis of lanthanum ricinoleate and its effect on thermal stability and mechanical properties in PVC. Journal of Rare Earths, 2014, 32, 1089-1094.	4.8	23
44	Catalytic performance of a Ti added Pd/SiO2 catalyst for acetylene hydrogenation. Journal of Industrial and Engineering Chemistry, 2012, 18, 45-48.	5.8	14
45	Preparation of IPNs SBS/PBMA-b-PMA and Effect of Compatibility with PVC. Advanced Materials Research, 2011, 320, 97-102.	0.3	1