Ji Ho Youk

List of Publications by Year
in descending order

79 papers	5,165 citations	159585 30 h-index	85541 71 g-index
81 all docs	81 docs citations	81 times ranked	6087 citing authors

#	Article	IF	Citations
1	Lightâ€Fueled Climbing of Monolithic Torsional Soft Robots via Molecular Engineering. Advanced Intelligent Systems, 2022, 4, 2100148.	6.1	13
2	Height-Tunable Replica Molding Using Viscous Polymeric Resins. ACS Macro Letters, 2022, 11, 428-433.	4.8	0
3	Evaluation of Touch and Durability of Cotton Knit Fabrics Treated with Reactive Urethane-Silicone Softener. Polymers, 2022, 14, 1873.	4.5	2
4	Partially Bio-based Colorless and Transparent Poly(amide-imide)s Derived from 2,5-Furandicarboxylic Acid. Fibers and Polymers, 2020, 21, 2161-2165.	2.1	8
5	Evaluation of PBI Nanofiber Membranes as a High-temperature Resistance Separator for Lithium-ion Batteries. Fibers and Polymers, 2020, 21, 993-998.	2.1	9
6	Inverseâ€direction Growth of TiO₂ Microcones by Subsequent Anodization in HClO₄ for Increased Performance of Lithiumâ€Ion Batteries. ChemElectroChem, 2020, 7, 1248-1255.	3.4	3
7	Preparation of epoxy-based shape memory polymers for deployable space structures using diglycidyl ether of ethoxylated bisphenol-A. Journal of Polymer Research, 2019, 26, 1.	2.4	12
8	Study on the Flame Retardant and Mechanical Properties of Wet-spun Poly(acrylonitrile-co-vinylchloride) Fibers with Antimony Trioxide and Zinc Hydroxystannate. Fibers and Polymers, 2019, 20, 779-786.	2.1	11
9	Preparation and characterization of calcium carboxymethyl cellulose/chitosan blend nonwovens for hemostatic agents. Textile Reseach Journal, 2018, 88, 1902-1911.	2.2	14
10	Preparation of Epoxy Shape Memory Polymers for Deployable Space Structures Using Flexible Diamines. Fibers and Polymers, 2018, 19, 1799-1805.	2.1	15
11	Ladder-Structured Polysilsesquioxane/Al2O3 Nanocomposites for Transparent Wear-Resistant Windows. Fibers and Polymers, 2018, 19, 1295-1302.	2.1	5
12	Self-Assembly of Pentacene on Sub-nm Scale Surface Roughness-Controlled Gate Dielectrics. Macromolecular Research, 2018, 26, 942-949.	2.4	9
13	Metalâ€“Phenolic Carbon Nanocomposites for Robust and Flexible Energyâ€Storage Devices. ChemSusChem, 2017, 10, 1675-1682.	6.8	30
14	Metal-Phenolic Carbon Nanocomposites for Robust and Flexible Energy-Storage Devices. ChemSusChem, 2017, 10, 1644-1644.	6.8	4
15	Optical and shape memory properties of semicrystalline poly(cyclooctene) upon coldâ€drawing. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 1595-1607.	2.1	9
16	Roomâ€Temperatureâ€Phosphorescenceâ€Based Dissolved Oxygen Detection by Coreâ€Shell Polymer Nanoparticles Containing Metalâ€Free Organic Phosphors. Angewandte Chemie, 2017, 129, 16425-16429.	2.0	40
17	Roomâ€Temperatureâ€Phosphorescenceâ€Based Dissolved Oxygen Detection by Coreâ€Shell Polymer Nanoparticles Containing Metalâ€Free Organic Phosphors. Angewandte Chemie - International Edition, 2017, 56, 16207-16211.	13.8	155
18	Microwave-assisted one-step synthesis of poly(2-isopropyl-2-oxazoline) block copolymers using a dual initiator for CROP and RAFT polymerization. Fibers and Polymers, 2017, 18, 1215-1220.	2.1	7

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19	Balancing Surface Hydrophobicity and Polarizability of Fluorinated Dielectrics for Organic Fieldâ€Effect Transistors with Excellent Gateâ€Bias Stability and Mobility. Advanced Materials Interfaces, 2016, 3, 1600284.	3.7	10
20	Liquid handling properties of hollow viscose rayon/super absorbent fibers nonwovens for reusable incontinence products. Fibers and Polymers, 2016, 17, 1104-1110.	2.1	5
21	Assembly and alignment of conjugated polymers: materials design, processing, and applications. MRS Communications, 2015, 5, 169-189.	1.8	12
22	Preparation of hydrophilic PCL nanofiber scaffolds via electrospinning of PCL/PVP-b-PCL block copolymers for enhanced cell biocompatibility. Polymer, 2015, 69, 95-102.	3.8	104
23	Effect of temporary network structure on linear and nonlinear viscoelasticity of polymer solutions. Korea Australia Rheology Journal, 2015, 27, 151-161.	1.7	7
24	Suppressing molecular motions for enhanced room-temperature phosphorescence of metal-free organic materials. Nature Communications, 2015, 6, 8947.	12.8	344
25	Gel polymer electrolytes based on nanofibrous polyacrylonitrileâ€“acrylate for lithium batteries. Materials Research Bulletin, 2014, 58, 208-212.	5.2	11
26	Oneâ€step synthesis of poly(Nâ€vinylpyrrolidone)â€bâ€poly(<scp>l</scp>â€lactide) block copolymers using a dual initiator for RAFT polymerization and ROP. Journal of Polymer Science Part A, 2014, 52, 1607-1613.	2.3	22
27	One-step synthesis of poly(2-oxazoline)-based amphiphilic block copolymers using a dual initiator for RAFT polymerization and CROP. Polymer, 2014, 55, 5986-5990.	3.8	17
28	Prediction and interpretation of hydraulic permeability for nonwoven fabrics considering hypothetical 2-D layer. Fibers and Polymers, 2013, 14, 2191-2196.	2.1	2
29	Oneâ€step synthesis of block copolymers using a hydroxylâ€functionalized trithiocarbonate RAFT agent as a dual initiator for RAFT polymerization and ROP. Journal of Polymer Science Part A, 2013, 51, 774-779.	2.3	42
30	One-Pot Synthesis of Poly(N-vinylpyrrolidone)-b-poly(Îµ-caprolactone) Block Copolymers Using a Dual Initiator for RAFT Polymerization and ROP. Macromolecules, 2013, 46, 1291-1295.	4.8	53
31	Room Temperature Phosphorescence of Metal-Free Organic Materials in Amorphous Polymer Matrices. Journal of the American Chemical Society, 2013, 135, 6325-6329.	13.7	449
32	One-step synthesis of poly(alkyl methacrylate)-b-polyester block copolymers via a dual initiator route combining RAFT polymerization and ROP. Colloid and Polymer Science, 2012, 290, 1707-1712.	2.1	30
33	An effective method for manufacturing hollow carbon nanofibers and microstructural analysis. Macromolecular Research, 2012, 20, 605-613.	2.4	46
34	Dispersion polymerization of styrene using poly(4-vinylpyridine) macro-RAFT agent under UV radiation. Fibers and Polymers, 2012, 13, 135-138.	2.1	17
35	Synthesis of poly(vinyl acetate)-b-poly(4-vinylpyridine) block copolymers by a combination of cobalt-mediated radical polymerization and RAFT polymerization and their use in dispersion polymerization under UV radiation. Colloid and Polymer Science, 2012, 290, 569-574.	2.1	4
36	Synthesis and micellar characterization of thermosensitive amphiphilic poly(Îµ-caprolactone)-b-poly(N-vinylcaprolactam) block copolymers. Colloid and Polymer Science, 2012, 290, 1107-1113.	2.1	31

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37	Dispersion polymerization of acrylonitrile using a poly(ethylene glycol)-b-polyacrylonitrile macro-RAFT agent. Fibers and Polymers, 2010, 11, 153-157.	2.1	9
38	Determination of the transition temperature of shape memory polyurethanes using constrained recovery test. Fibers and Polymers, 2010, 11, 749-756.	2.1	9
39	Synthesis of water-soluble poly(vinyl alcohol)-grafted multi-walled carbon nanotubes. Macromolecular Research, 2010, 18, 458-462.	2.4	7
40	Synthesis of Poly(vinyl acetate)-b-polystyrene and Poly(vinyl alcohol)-b-polystyrene Copolymers by a Combination of Cobalt-Mediated Radical Polymerization and RAFT Polymerization. Macromolecules, 2010, 43, 2184-2189.	4.8	41
41	Encapsulation of nanomaterials within intermediary layer cross-linked micelles using a photo-cross-linking agent. Macromolecular Research, 2009, 17, 926-930.	2.4	6
42	Synthesis of high molecular weight 3-arm star PMMA by ARGET ATRP. Macromolecular Research, 2009, 17, 240-244.	2.4	14
43	Synthesis and characterization of amphiphilic poly(Nâ€vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Td (pyrrolidone)a polymerization and ringâ€opening polymerization. Journal of Polymer Science Part A, 2009, 47, 3078-3085.	2.3	29
44	Encapsulation of nanomaterials using an intermediary layer crossâ€linkable ABC triblock copolymer. Journal of Polymer Science Part A, 2009, 47, 4963-4970.	2.3	10
45	Controlling size and distribution of silver nanoparticles generated in inorganic silica nanofibers using poly(vinyl pyrrolidone). Macromolecular Research, 2008, 16, 626-630.	2.4	13
46	Mechanical behavior of shape memory fibers spun from nanoclay-tethered polyurethanes. Macromolecular Research, 2008, 16, 644-650.	2.4	17
47	Electrospinning of ultrafine cellulose fibers and fabrication of poly(butylene succinate) biocomposites reinforced by them. Journal of Applied Polymer Science, 2008, 107, 1954-1959.	2.6	59
48	Effective preparation and characterization of montmorillonite/poly(Îµâ€caprolactone)â€based polyurethane nanocomposites. Journal of Applied Polymer Science, 2008, 107, 803-809.	2.6	22
49	Preparation of poly(É›-caprolactone)-based polyurethane nanofibers containing silver nanoparticles. Applied Surface Science, 2008, 254, 5886-5890.	6.1	103
50	Electrospinning of cellulose acetate nanofibers using a mixed solvent of acetic acid/water: Effects of solvent composition on the fiber diameter. Materials Letters, 2008, 62, 759-762.	2.6	175
51	A study on the preparation of poly(vinyl alcohol) nanofibers containing silver nanoparticles. Synthetic Metals, 2007, 157, 454-459.	3.9	108
52	Preparation of polyurethane cationomer nanofiber mats for use in antimicrobial nanofilter applications. Materials Letters, 2007, 61, 3991-3994.	2.6	77
53	Polyurethane smart fiber with shape memory function: Experimental characterization and constitutive modelling. Fibers and Polymers, 2007, 8, 377-385.	2.1	18
54	Preparation of inorganic silica nanofibers containing silver nanoparticles. Fibers and Polymers, 2007, 8, 591-600.	2.1	17

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55	Preparation of antimicrobial poly(vinyl alcohol) nanofibers containing silver nanoparticles. Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 2468-2474.	2.1	253
56	Antimicrobial cellulose acetate nanofibers containing silver nanoparticles. Carbohydrate Polymers, 2006, 65, 430-434.	10.2	412
57	Thermal properties of copolyetherester/silica nanocomposites. Fibers and Polymers, 2006, 7, 367-371.	2.1	0
58	Preparation of porous ultrafine PGA fibers via selective dissolution of electrospun PGA/PLA blend fibers. Materials Letters, 2006, 60, 757-760.	2.6	105
59	Synthesis and characterization ofin situ polymerized segmented thermoplastic elastomeric polyurethane/layered silicate clay nanocomposites. Journal of Applied Polymer Science, 2006, 102, 3048-3055.	2.6	18
60	Effect of pH on electrospinning of poly(vinyl alcohol). Materials Letters, 2005, 59, 1571-1575.	2.6	81
61	Preparation of Polymer Nanofibers Containing Silver Nanoparticles by Using Poly(N-vinylpyrrolidone). Macromolecular Rapid Communications, 2005, 26, 1903-1907.	3.9	167
62	Electrospinning and structural characterization of ultrafine poly(butylene succinate) fibers. Polymer, 2005, 46, 9538-9543.	3.8	60
63	Preparation of regenerated cellulose fiber via carbonation (II). Fibers and Polymers, 2005, 6, 95-102.	2.1	9
64	Electrospinning of polyurethane/organically modified montmorillonite nanocomposites. Journal of Polymer Science, Part B: Polymer Physics, 2005, 43, 3171-3177.	2.1	81
65	One-step preparation of ultrafine poly(acrylonitrile) fibers containing silver nanoparticles. Materials Letters, 2005, 59, 2977-2980.	2.6	102
66	Preparation of Ultrafine Oxidized Cellulose Mats via Electrospinning. Biomacromolecules, 2004, 5, 197-201.	5.4	114
67	Electrospinning of ultrafine cellulose acetate fibers: Studies of a new solvent system and deacetylation of ultrafine cellulose acetate fibers. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 5-11.	2.1	217
68	Preparation of Antimicrobial Ultrafine Cellulose Acetate Fibers with Silver Nanoparticles. Macromolecular Rapid Communications, 2004, 25, 1632-1637.	3.9	366
69	Preparation of porous ultra-fine fibres via selective thermal degradation of electrospun polyetherimide/poly(3-hydroxybutyrate-co-3-hydroxyvalerate) fibres. Polymer Degradation and Stability, 2004, 86, 257-262.	5.8	47
70	The effects of solution properties and polyelectrolyte on electrospinning of ultrafine poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.8	538
71	Effect of organosoluble salts on the nanofibrous structure of electrospun poly(3-hydroxybutyrate-co-3-hydroxyvalerate). International Journal of Biological Macromolecules, 2004, 34, 249-256.	7.5	191
72	Preparation of gold nanoparticles on poly(methyl methacrylate) nanospheres with surface-grafted poly(allylamine). Polymer, 2003, 44, 5053-5056.	3.8	20

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73	Preparation of Aggregation Stable Gold Nanoparticles Using Star-Block Copolymers. Langmuir, 2002, 18, 2455-2458.	3.5	73
74	Origin of miscibility-induced sequential reordering and crystallization-induced sequential reordering in binary copolyesters: a Monte Carlo simulation. Journal of Polymer Science, Part B: Polymer Physics, 2001, 39, 1337-1347.	2.1	9
75	Cyclization Routes for Formation of Cyclic Oligomers in Poly(ethylene terephthalate). Macromolecular Chemistry and Physics, 2001, 202, 998-1003.	2.2	6
76	Homogenization process caused by competition between phase separation and ester-interchange reactions in immiscible polyester blends: A Monte Carlo simulation. Journal of Polymer Science, Part B: Polymer Physics, 2000, 38, 590-598.	2.1	4
77	Origin of double melting behavior of poly(p-phenylene succinate). Journal of Polymer Science, Part B: Polymer Physics, 2000, 38, 1868-1871.	2.1	1
78	Thermodynamic properties and crystallization behavior of poly(p-phenylene succinate). Journal of Applied Polymer Science, 1999, 73, 801-806.	2.6	1
79	Effect of chemical structure on crystallization behavior of poly(phenylene alkylene dicarboxylate) (PPAD). Journal of Applied Polymer Science, 1997, 66, 1575-1582.	2.6	2