

# Ji Ho Youk

## List of Publications by Year in descending order

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79  
papers

5,165  
citations

159585

30  
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85541

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81  
docs citations

81  
times ranked

6087  
citing authors

#	ARTICLE	IF	CITATIONS
1	The effects of solution properties and polyelectrolyte on electrospinning of ultrafine poly(ethylene Tj ETQq1 1 0.784314 rgBT /Overlock	3.8	538
2	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
3	Antimicrobial cellulose acetate nanofibers containing silver nanoparticles. Carbohydrate Polymers, 2006, 65, 430-434.	10.2	412
4	Preparation of Antimicrobial Ultrafine Cellulose Acetate Fibers with Silver Nanoparticles. Macromolecular Rapid Communications, 2004, 25, 1632-1637.	3.9	366
5	Suppressing molecular motions for enhanced room-temperature phosphorescence of metal-free organic materials. Nature Communications, 2015, 6, 8947.	12.8	344
6	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
7	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
8	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
9	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
10	Preparation of Polymer Nanofibers Containing Silver Nanoparticles by Using Poly(N-vinylpyrrolidone). Macromolecular Rapid Communications, 2005, 26, 1903-1907.	3.9	167
11	Room Temperature Phosphorescence Based Dissolved Oxygen Detection by Core Shell Polymer Nanoparticles Containing Metal Free Organic Phosphors. Angewandte Chemie - International Edition, 2017, 56, 16207-16211.	13.8	155
12	Preparation of Ultrafine Oxidized Cellulose Mats via Electrospinning. Biomacromolecules, 2004, 5, 197-201.	5.4	114
13	A study on the preparation of poly(vinyl alcohol) nanofibers containing silver nanoparticles. Synthetic Metals, 2007, 157, 454-459.	3.9	108
14	Preparation of porous ultrafine PGA fibers via selective dissolution of electrospun PGA/PLA blend fibers. Materials Letters, 2006, 60, 757-760.	2.6	105
15	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
16	Preparation of poly(É-caprolactone)-based polyurethane nanofibers containing silver nanoparticles. Applied Surface Science, 2008, 254, 5886-5890.	6.1	103
17	One-step preparation of ultrafine poly(acrylonitrile) fibers containing silver nanoparticles. Materials Letters, 2005, 59, 2977-2980.	2.6	102
18	Effect of pH on electrospinning of poly(vinyl alcohol). Materials Letters, 2005, 59, 1571-1575.	2.6	81

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19	Electrospinning of polyurethane/organically modified montmorillonite nanocomposites. Journal of Polymer Science, Part B: Polymer Physics, 2005, 43, 3171-3177.	2.1	81
20	Preparation of polyurethane cationomer nanofiber mats for use in antimicrobial nanofilter applications. Materials Letters, 2007, 61, 3991-3994.	2.6	77
21	Preparation of Aggregation Stable Gold Nanoparticles Using Star-Block Copolymers. Langmuir, 2002, 18, 2455-2458.	3.5	73
22	Electrospinning and structural characterization of ultrafine poly(butylene succinate) fibers. Polymer, 2005, 46, 9538-9543.	3.8	60
23	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
24	One-Pot Synthesis of Poly( <i>N</i> -vinylpyrrolidone)- <i>b</i> -poly( $\mu$ -caprolactone) Block Copolymers Using a Dual Initiator for RAFT Polymerization and ROP. Macromolecules, 2013, 46, 1291-1295.	4.8	53
25	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
26	An effective method for manufacturing hollow carbon nanofibers and microstructural analysis. Macromolecular Research, 2012, 20, 605-613.	2.4	46
27	One-step synthesis of block copolymers using a hydroxyl-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
28	Synthesis of Poly(vinyl acetate)- <i>b</i> -polystyrene and Poly(vinyl alcohol)- <i>b</i> -polystyrene Copolymers by a Combination of Cobalt-Mediated Radical Polymerization and RAFT Polymerization. Macromolecules, 2010, 43, 2184-2189.	4.8	41
29	Room-Temperature-Phosphorescence-Based Dissolved Oxygen Detection by Core-Shell Polymer Nanoparticles Containing Metal-Free Organic Phosphors. Angewandte Chemie, 2017, 129, 16425-16429.	2.0	40
30	Synthesis and micellar characterization of thermosensitive amphiphilic poly( $\mu$ -caprolactone)- <i>b</i> -poly( <i>N</i> -vinylcaprolactam) block copolymers. Colloid and Polymer Science, 2012, 290, 1107-1113.	2.1	31
31	One-step synthesis of poly(alkyl methacrylate)- <i>b</i> -polyester block copolymers via a dual initiator route combining RAFT polymerization and ROP. Colloid and Polymer Science, 2012, 290, 1707-1712.	2.1	30
32	Metal-Free Phenolic Carbon Nanocomposites for Robust and Flexible Energy Storage Devices. ChemSusChem, 2017, 10, 1675-1682.	6.8	30
33	Synthesis and characterization of amphiphilic poly( <i>N</i> -vinyl) polymerization and ring-opening polymerization. Journal of Polymer Science Part A, 2009, 47, 3078-3085.	2.3	29
34	Effective preparation and characterization of montmorillonite/poly( $\mu$ -caprolactone)-based polyurethane nanocomposites. Journal of Applied Polymer Science, 2008, 107, 803-809.	2.6	22
35	One-step synthesis of poly( <i>N</i> -vinylpyrrolidone)- <i>b</i> -poly( $\epsilon$ -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
36	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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37	Synthesis and characterization of in situ polymerized segmented thermoplastic elastomeric polyurethane/layered silicate clay nanocomposites. <i>Journal of Applied Polymer Science</i> , 2006, 102, 3048-3055.	2.6	18
38	Polyurethane smart fiber with shape memory function: Experimental characterization and constitutive modelling. <i>Fibers and Polymers</i> , 2007, 8, 377-385.	2.1	18
39	Preparation of inorganic silica nanofibers containing silver nanoparticles. <i>Fibers and Polymers</i> , 2007, 8, 591-600.	2.1	17
40	Mechanical behavior of shape memory fibers spun from nanoclay-tethered polyurethanes. <i>Macromolecular Research</i> , 2008, 16, 644-650.	2.4	17
41	Dispersion polymerization of styrene using poly(4-vinylpyridine) macro-RAFT agent under UV radiation. <i>Fibers and Polymers</i> , 2012, 13, 135-138.	2.1	17
42	One-step synthesis of poly(2-oxazoline)-based amphiphilic block copolymers using a dual initiator for RAFT polymerization and CROP. <i>Polymer</i> , 2014, 55, 5986-5990.	3.8	17
43	Preparation of Epoxy Shape Memory Polymers for Deployable Space Structures Using Flexible Diamines. <i>Fibers and Polymers</i> , 2018, 19, 1799-1805.	2.1	15
44	Synthesis of high molecular weight 3-arm star PMMA by ARGET ATRP. <i>Macromolecular Research</i> , 2009, 17, 240-244.	2.4	14
45	Preparation and characterization of calcium carboxymethyl cellulose/chitosan blend nonwovens for hemostatic agents. <i>Textile Research Journal</i> , 2018, 88, 1902-1911.	2.2	14
46	Controlling size and distribution of silver nanoparticles generated in inorganic silica nanofibers using poly(vinyl pyrrolidone). <i>Macromolecular Research</i> , 2008, 16, 626-630.	2.4	13
47	Light-Fueled Climbing of Monolithic Torsional Soft Robots via Molecular Engineering. <i>Advanced Intelligent Systems</i> , 2022, 4, 2100148.	6.1	13
48	Assembly and alignment of conjugated polymers: materials design, processing, and applications. <i>MRS Communications</i> , 2015, 5, 169-189.	1.8	12
49	Preparation of epoxy-based shape memory polymers for deployable space structures using diglycidyl ether of ethoxylated bisphenol-A. <i>Journal of Polymer Research</i> , 2019, 26, 1.	2.4	12
50	Gel polymer electrolytes based on nanofibrous polyacrylonitrile-acrylate for lithium batteries. <i>Materials Research Bulletin</i> , 2014, 58, 208-212.	5.2	11
51	Study on the Flame Retardant and Mechanical Properties of Wet-spun Poly(acrylonitrile-co-vinylchloride) Fibers with Antimony Trioxide and Zinc Hydroxystannate. <i>Fibers and Polymers</i> , 2019, 20, 779-786.	2.1	11
52	Encapsulation of nanomaterials using an intermediary layer cross-linkable ABC triblock copolymer. <i>Journal of Polymer Science Part A</i> , 2009, 47, 4963-4970.	2.3	10
53	Balancing Surface Hydrophobicity and Polarizability of Fluorinated Dielectrics for Organic Field-Effect Transistors with Excellent Gate-Bias Stability and Mobility. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600284.	3.7	10
54	Origin of miscibility-induced sequential reordering and crystallization-induced sequential reordering in binary copolyesters: a Monte Carlo simulation. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2001, 39, 1337-1347.	2.1	9

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55	Preparation of regenerated cellulose fiber via carbonation (II). <i>Fibers and Polymers</i> , 2005, 6, 95-102.	2.1	9
56	Dispersion polymerization of acrylonitrile using a poly(ethylene glycol)-b-polyacrylonitrile macro-RAFT agent. <i>Fibers and Polymers</i> , 2010, 11, 153-157.	2.1	9
57	Determination of the transition temperature of shape memory polyurethanes using constrained recovery test. <i>Fibers and Polymers</i> , 2010, 11, 749-756.	2.1	9
58	Optical and shape memory properties of semicrystalline poly(cyclooctene) upon cold-drawing. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017, 55, 1595-1607.	2.1	9
59	Self-Assembly of Pentacene on Sub-nm Scale Surface Roughness-Controlled Gate Dielectrics. <i>Macromolecular Research</i> , 2018, 26, 942-949.	2.4	9
60	Evaluation of PBI Nanofiber Membranes as a High-temperature Resistance Separator for Lithium-ion Batteries. <i>Fibers and Polymers</i> , 2020, 21, 993-998.	2.1	9
61	Partially Bio-based Colorless and Transparent Poly(amide-imide)s Derived from 2,5-Furandicarboxylic Acid. <i>Fibers and Polymers</i> , 2020, 21, 2161-2165.	2.1	8
62	Synthesis of water-soluble poly(vinyl alcohol)-grafted multi-walled carbon nanotubes. <i>Macromolecular Research</i> , 2010, 18, 458-462.	2.4	7
63	Effect of temporary network structure on linear and nonlinear viscoelasticity of polymer solutions. <i>Korea Australia Rheology Journal</i> , 2015, 27, 151-161.	1.7	7
64	Microwave-assisted one-step synthesis of poly(2-isopropyl-2-oxazoline) block copolymers using a dual initiator for CROP and RAFT polymerization. <i>Fibers and Polymers</i> , 2017, 18, 1215-1220.	2.1	7
65	Cyclization Routes for Formation of Cyclic Oligomers in Poly(ethylene terephthalate). <i>Macromolecular Chemistry and Physics</i> , 2001, 202, 998-1003.	2.2	6
66	Encapsulation of nanomaterials within intermediary layer cross-linked micelles using a photo-cross-linking agent. <i>Macromolecular Research</i> , 2009, 17, 926-930.	2.4	6
67	Liquid handling properties of hollow viscose rayon/super absorbent fibers nonwovens for reusable incontinence products. <i>Fibers and Polymers</i> , 2016, 17, 1104-1110.	2.1	5
68	Ladder-Structured Polysilsesquioxane/Al <sub>2</sub> O <sub>3</sub> Nanocomposites for Transparent Wear-Resistant Windows. <i>Fibers and Polymers</i> , 2018, 19, 1295-1302.	2.1	5
69	Homogenization process caused by competition between phase separation and ester-interchange reactions in immiscible polyester blends: A Monte Carlo simulation. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000, 38, 590-598.	2.1	4
70	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. <i>Colloid and Polymer Science</i> , 2012, 290, 569-574.	2.1	4
71	Metal-Phenolic Carbon Nanocomposites for Robust and Flexible Energy-Storage Devices. <i>ChemSusChem</i> , 2017, 10, 1644-1644.	6.8	4
72	Inverse-direction Growth of TiO <sub>2</sub> Microcones by Subsequent Anodization in HClO <sub>4</sub> for Increased Performance of Lithium-ion Batteries. <i>ChemElectroChem</i> , 2020, 7, 1248-1255.	3.4	3

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73	Effect of chemical structure on crystallization behavior of poly(phenylene alkylene dicarboxylate) (PPAD). <i>Journal of Applied Polymer Science</i> , 1997, 66, 1575-1582.	2.6	2
74	Prediction and interpretation of hydraulic permeability for nonwoven fabrics considering hypothetical 2-D layer. <i>Fibers and Polymers</i> , 2013, 14, 2191-2196.	2.1	2
75	Evaluation of Touch and Durability of Cotton Knit Fabrics Treated with Reactive Urethane-Silicone Softener. <i>Polymers</i> , 2022, 14, 1873.	4.5	2
76	Thermodynamic properties and crystallization behavior of poly(p-phenylene succinate). <i>Journal of Applied Polymer Science</i> , 1999, 73, 801-806.	2.6	1
77	Origin of double melting behavior of poly(p-phenylene succinate). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000, 38, 1868-1871.	2.1	1
78	Thermal properties of copolyetherester/silica nanocomposites. <i>Fibers and Polymers</i> , 2006, 7, 367-371.	2.1	0
79	Height-Tunable Replica Molding Using Viscous Polymeric Resins. <i>ACS Macro Letters</i> , 2022, 11, 428-433.	4.8	0