

Yanbing Lu

List of Publications by Year in descending order

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40
papers

795
citations

516710

16
h-index

526287

27
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40
all docs

40
docs citations

40
times ranked

1338
citing authors

#	ARTICLE	IF	CITATIONS
1	Defect-Based Single-Atom Electrocatalysts. <i>Small Methods</i> , 2019, 3, 1800406.	8.6	139
2	On-site evolution of ultrafine ZnO nanoparticles from hollow metal-organic frameworks for advanced lithium ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 22512-22518.	10.3	77
3	Synthesis of Water-Soluble Poly(β -hydroxy acids) from Living Ring-Opening Polymerization of <i>o</i> -Benzyl-L-serine Carboxyanhydrides. <i>ACS Macro Letters</i> , 2012, 1, 441-444.	4.8	57
4	Accelerated polymerization of N-carboxyanhydrides catalyzed by crown ether. <i>Nature Communications</i> , 2021, 12, 732.	12.8	43
5	Redox-responsive, core-crosslinked degradable micelles for controlled drug release. <i>Polymer Chemistry</i> , 2016, 7, 6330-6339.	3.9	37
6	Photo-responsive reversible micelles based on azobenzene-modified poly(carbonate)s via azide-alkyne click chemistry. <i>RSC Advances</i> , 2014, 4, 47929-47936.	3.6	33
7	Reversibly light-responsive biodegradable poly(carbonate) micelles constructed via C _u -AAC reaction. <i>Journal of Polymer Science Part A</i> , 2015, 53, 750-760.	2.3	30
8	Preparation of Light-Responsive Polyester Micelles via Ring-Opening Polymerization of <i>o</i> -Carboxyanhydride and Azide-Alkyne Click Chemistry. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 77-84.	2.2	23
9	Preparation of microencapsulated ammonium polyphosphate with montmorillonite-melamine formaldehyde resin and its flame retardancy in EVM. <i>Polymers for Advanced Technologies</i> , 2012, 23, 166-170.	3.2	22
10	Light and pH dual-sensitive biodegradable polymeric nanoparticles for controlled release of cargos. <i>Journal of Polymer Science Part A</i> , 2017, 55, 1773-1783.	2.3	22
11	Photo-responsive amphiphilic poly(β -hydroxy acids) with pendent <i>o</i> -nitrobenzyl ester constructed via copper-catalyzed azide-alkyne cycloaddition reaction. <i>Polymers for Advanced Technologies</i> , 2015, 26, 449-456.	3.2	20
12	Polycarbonate-based core-crosslinked redox-responsive nanoparticles for targeted delivery of anticancer drug. <i>Journal of Materials Chemistry B</i> , 2018, 6, 3348-3357.	5.8	20
13	Room-temperature chemical looping hydrogen production mediated by electrochemically induced heterogeneous Cu(I)/Cu(II) redox. <i>Chem Catalysis</i> , 2021, 1, 1493-1504.	6.1	20
14	An Hg ²⁺ -selective chemosensor based on the self-assembly of a novel amphiphilic block copolymer bearing rhodamine 6G derivative moieties in purely aqueous media. <i>Analytical Methods</i> , 2015, 7, 2738-2746.	2.7	19
15	Green synthesis of bisphenol F over 12-phosphotungstic acid supported on acid-activated palygorskite. <i>RSC Advances</i> , 2015, 5, 62394-62401.	3.6	18
16	Recycled LiCoO ₂ in spent lithium-ion battery as an oxygen evolution electrocatalyst. <i>RSC Advances</i> , 2016, 6, 103541-103545.	3.6	18
17	Curing kinetics of fluorene containing benzoxazine investigated by nonisothermal differential scanning calorimetry. <i>Journal of Applied Polymer Science</i> , 2011, 121, 2481-2487.	2.6	16
18	Flame Retardancy and Mechanical Properties of Ethylene-vinyl Acetate Rubber with Expandable Graphite/Ammonium Polyphosphate/Dipentaerythritol System. <i>Journal of Macromolecular Science - Physics</i> , 2011, 50, 1864-1872.	1.0	15

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19	Spiropyran-decorated light-responsive amphiphilic poly(β -hydroxy acids) micelles constructed via a CuAAC reaction. RSC Advances, 2014, 4, 58432-58439.	3.6	14
20	Facile synthesis of a reduction-responsive amphiphilic triblock polymer via a selective thiol-disulfide exchange reaction. RSC Advances, 2014, 4, 48897-48900.	3.6	14
21	Mesoporous Al-incorporated silica-pillared clay interlayer materials for catalytic hydroxyalkylation of phenol to bisphenol F. RSC Advances, 2016, 6, 74028-74038.	3.6	14
22	Photoresponsive biodegradable poly(carbonate)s with pendent <i>o</i> -nitrobenzyl ester. Journal of Polymer Science Part A, 2017, 55, 2770-2780.	2.3	14
23	Synthesis of poly(amido amine)-derived dendrimers with pendant benzoxazine groups and their thermal behavior. Journal of Applied Polymer Science, 2013, 127, 282-288.	2.6	12
24	Lipase-catalyzed ring-opening copolymerization of ϵ -pentadecalactone and γ -valerolactone by reactive extrusion. Green Chemistry, 2020, 22, 662-668.	9.0	12
25	Preparation, characterization, and polymerization of novel maleimidobenzoxazine containing carboxylic moiety and its cocuring behaviors with epoxy resin. Journal of Applied Polymer Science, 2010, 118, 705-710.	2.6	11
26	Preparation of ROS-responsive core crosslinked polycarbonate micelles with thioketal linkage. Colloids and Surfaces B: Biointerfaces, 2020, 195, 111276.	5.0	11
27	Preparation and characterization of a novel composite based on hyperbranched polysilane and fullerene. Journal of Applied Polymer Science, 2007, 105, 821-826.	2.6	9
28	Hydroxyalkylation of phenol to bisphenol F over heteropolyacid catalysts: The effect of catalyst acid strength on isomer distribution and kinetics. Journal of Colloid and Interface Science, 2016, 481, 75-81.	9.4	9
29	Anionic polymerization of 1,3-pentadiene in toluene: homopolymer, alternating and block copolymers. RSC Advances, 2016, 6, 51533-51543.	3.6	8
30	Lipase-Catalyzed Reactive Extrusion: Copolymerization of ϵ -Caprolactone and ϵ -Pentadecalactone. Macromolecular Rapid Communications, 2020, 41, e2000417.	3.9	7
31	Polymerization of N-phenylmaleimide with a rare-earth coordination catalyst. Journal of Applied Polymer Science, 2005, 96, 979-982.	2.6	6
32	Facile synthesis of dendronized polyamides with chloromethyl groups in the periphery and some properties. Journal of Applied Polymer Science, 2007, 105, 3087-3096.	2.6	6
33	Template-free fabrication of hierarchical graphitic carbon nitride <i>in situ</i> self-assembled aggregates for enhanced photocatalytic hydrogen evolution activity under visible light. Catalysis Science and Technology, 2020, 10, 6350-6358.	4.1	6
34	pH-responsive core crosslinked polycarbonate micelles via thiol-ene Michael addition reaction. Journal of Applied Polymer Science, 2017, 134, .	2.6	4
35	Construction of pH-responsive core crosslinked micelles via thiol-ene click reaction. Journal of Applied Polymer Science, 2022, 139, .	2.6	4
36	Preparation and Characteration of UV-cured EA/MMT Nanocomposites Via <i>In-Situ</i> Polymerization. Journal of Macromolecular Science - Pure and Applied Chemistry, 2010, 47, 647-654.	2.2	3

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37	A New Synthetic Strategy for Polymeric Bromine Precursors: One-Step Change from Bromine-Containing Polymers to Functional Polymers. <i>Macromolecular Chemistry and Physics</i> , 2021, 222, 2000303.	2.2	1
38	A photochromic salicylhydrazide based on perylene diimide and its application for ion sensor probes. <i>Journal of Luminescence</i> , 2021, 241, 118416.	3.1	1
39	A Novel Sigma-Conjugated Hyperbranched Polysilane Polymethylphenylsilane-co-methylsilane (PMPS-co-MS). <i>Materials Research Society Symposia Proceedings</i> , 2006, 937, 1.	0.1	0
40	Coumarin-surfactant modified polyoxometalate catalyzed cross dehydrogenative coupling of benzyl alcohol with the para-C-H of unprotected aniline. <i>Catalysis Science and Technology</i> , 2018, 8, 5133-5136.	4.1	0