Hoyong Chung

List of Publications by Year in descending order

34 papers	1,833 citations	393982 19 h-index	377514 34 g-index
36 all docs	36 docs citations	36 times ranked	2686 citing authors

#	Article	IF	Citations
1	Enhanced Reversible Adhesion of Dopamine Methacrylamide-Coated Elastomer Microfibrillar Structures under Wet Conditions. Langmuir, 2009, 25, 6607-6612.	1.6	193
2	Improved Lignin Polyurethane Properties with Lewis Acid Treatment. ACS Applied Materials & Interfaces, 2012, 4, 2840-2846.	4.0	186
3	Application of ¹H DOSY for Facile Measurement of Polymer Molecular Weights. Macromolecules, 2012, 45, 9595-9603.	2.2	175
4	A universal route towards thermoplastic lignin composites with improved mechanical properties. Polymer, 2014, 55, 995-1003.	1.8	157
5	Chemistry of lignin-based materials. Green Materials, 2013, 1, 137-160.	1.1	134
6	Rapidly Cross-Linkable DOPA Containing Terpolymer Adhesives and PEG-Based Cross-Linkers for Biomedical Applications. Macromolecules, 2012, 45, 9666-9673.	2.2	110
7	Ligninâ€based polymers via graft copolymerization. Journal of Polymer Science Part A, 2017, 55, 3515-3528.	2.5	100
8	Enhanced Adhesion of Dopamine Methacrylamide Elastomers via Viscoelasticity Tuning. Biomacromolecules, 2011, 12, 342-347.	2.6	88
9	Regiospecific Side-Chain Functionalization of Linear Low-Density Polyethylene with Polar Groups. Angewandte Chemie - International Edition, 2005, 44, 6410-6413.	7.2	84
10	Enhanced Wet Adhesion and Shear of Elastomeric Micro-Fiber Arrays with Mushroom Tip Geometry and a Photopolymerized p(DMA-co-MEA) Tip Coating. Langmuir, 2010, 26, 17357-17362.	1.6	78
11	Self-Healing Properties of Lignin-Containing Nanocomposite: Synthesis of Lignin-graft-poly(5-acetylaminopentyl acrylate) via RAFT and Click Chemistry. Macromolecules, 2016, 49, 7246-7256.	2.2	63
12	Recent progress of glycopolymer synthesis for biomedical applications. Biomaterials Science, 2019, 7, 4848-4872.	2.6	62
13	Visible-Light Induced Thiolâ€“Ene Reaction on Natural Lignin. ACS Sustainable Chemistry and Engineering, 2017, 5, 9160-9168.	3.2	58
14	POSS-Containing Bioinspired Adhesives with Enhanced Mechanical and Optical Properties for Biomedical Applications. Biomacromolecules, 2016, 17, 3853-3861.	2.6	44
15	Photo-responsive bio-inspired adhesives: facile control of adhesion strength via a photocleavable crosslinker. Polymer Chemistry, 2017, 8, 6300-6308.	1.9	36
16	Single-Phase Photo-Cross-Linkable Bioinspired Adhesive for Precise Control of Adhesion Strength. ACS Applied Materials & Interfaces, 2017, 9, 1830-1839.	4.0	28
17	Extraction and Types of Lignin. , 2016, , 13-25.		27
18	Hydrophilic graft modification of a commercial crystalline polyolefin. Journal of Polymer Science Part A, 2008, 46, 3533-3545.	2.5	24

#	Article	IF	Citations
19	Catechol- and ketone-containing multifunctional bottlebrush polymers for oxime ligation and hydrogel formation. Polymer Chemistry, 2017, 8, 4707-4715.	1.9	21
20	Removable Water-Soluble Olefin Metathesis Catalyst via Hostâ€“Guest Interaction. Organic Letters, 2018, 20, 736-739.	2.4	20
21	Synthesis and adhesion control of glucose-based bioadhesive via strain-promoted azideâ€“alkyne cycloaddition. Polymer Chemistry, 2018, 9, 3638-3650.	1.9	18
22	Lignin, a biomass crosslinker, in a shape memory polycaprolactone network. Journal of Polymer Science Part A, 2019, 57, 2121-2130.	2.5	17
23	Oligo(ethylene glycol) Length Effect of Water-Soluble Ru-Based Olefin Metathesis Catalysts on Reactivity and Removability. Journal of Organic Chemistry, 2018, 83, 9787-9794.	1.7	16
24	Modified N-Heterocyclic Carbene Ligand for the Recovery of Olefin Metathesis Catalysts via Noncovalent Hostâ€“Guest Interactions. ACS Omega, 2017, 2, 3951-3957.	1.6	13
25	Ligninâ€Based Solid Polymer Electrolytes: Ligninâ€Graftâ€Poly(ethylene glycol). Macromolecular Rapid Communications, 2021, 42, 2000428.	2.0	12
26	Synthesis of lightly crosslinked zwitterionic polymerâ€based bioinspired adhesives for intestinal tissue sealing. Journal of Polymer Science Part A, 2018, 56, 1564-1573.	2.5	11
27	Metal-Free Electrically Conductive Bioinspired Adhesive Polymers. Chemistry of Materials, 2019, 31, 8358-8365.	3.2	9
28	Effect of Surface Roughness and Electroless Niâ€“P Plating on the Bonding Strength of Biâ€“Te-based Thermoelectric Modules. Coatings, 2019, 9, 213.	1.2	9
29	Synthesis and Characterization of Lignin-graft-poly(ethylene brassylate): a Biomass-Based Polyester with High Mechanical Properties. ACS Sustainable Chemistry and Engineering, 2021, 9, 14766-14776.	3.2	9
30	Lignin-Based Graft Copolymers via ATRP and Click Chemistry. ACS Symposium Series, 2013, , 373-391.	0.5	8
31	Specific labelling of phagosome-derived vesicles in macrophages with a membrane dye delivered with microfabricated microparticles. Acta Biomaterialia, 2022, 141, 344-353.	4.1	4
32	N-heterocyclic Carbene Containing Homogeneous Ru Catalyst for Aqueous Atom Transfer Radical Polymerization of Water-soluble Vinyl Monomers. Polymer, 2022, 241, 124537.	1.8	4
33	Conjugating Micropatches to Living Cells Through Membrane Intercalation. ACS Applied Materials & Interfaces, 2020, 12, 29110-29121.	4.0	3
34	Heterogeneous Removal of Water-Soluble Ruthenium Olefin Metathesis Catalyst from Aqueous Media Via Host-Guest Interaction. Journal of Visualized Experiments, 2018, , .	0.2	1