

# Hoyong Chung

## List of Publications by Year in descending order

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34  
papers

1,833  
citations

393982

19  
h-index

377514

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g-index

36  
all docs

36  
docs citations

36  
times ranked

2686  
citing authors

#	ARTICLE	IF	CITATIONS
1	Specific labelling of phagosome-derived vesicles in macrophages with a membrane dye delivered with microfabricated microparticles. <i>Acta Biomaterialia</i> , 2022, 141, 344-353.	4.1	4
2	N-heterocyclic Carbene Containing Homogeneous Ru Catalyst for Aqueous Atom Transfer Radical Polymerization of Water-soluble Vinyl Monomers. <i>Polymer</i> , 2022, 241, 124537.	1.8	4
3	Lignin-Based Solid Polymer Electrolytes: Lignin-Graft-Poly(ethylene glycol). <i>Macromolecular Rapid Communications</i> , 2021, 42, 2000428.	2.0	12
4	Synthesis and Characterization of Lignin-graft-poly(ethylene brassylate): a Biomass-Based Polyester with High Mechanical Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 14766-14776.	3.2	9
5	Conjugating Micropatches to Living Cells Through Membrane Intercalation. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 29110-29121.	4.0	3
6	Lignin, a biomass crosslinker, in a shape memory polycaprolactone network. <i>Journal of Polymer Science Part A</i> , 2019, 57, 2121-2130.	2.5	17
7	Metal-Free Electrically Conductive Bioinspired Adhesive Polymers. <i>Chemistry of Materials</i> , 2019, 31, 8358-8365.	3.2	9
8	Effect of Surface Roughness and Electroless Ni-P Plating on the Bonding Strength of Bi-Te-based Thermoelectric Modules. <i>Coatings</i> , 2019, 9, 213.	1.2	9
9	Recent progress of glycopolymer synthesis for biomedical applications. <i>Biomaterials Science</i> , 2019, 7, 4848-4872.	2.6	62
10	Removable Water-Soluble Olefin Metathesis Catalyst via Host-Guest Interaction. <i>Organic Letters</i> , 2018, 20, 736-739.	2.4	20
11	Synthesis of lightly crosslinked zwitterionic polymer-based bioinspired adhesives for intestinal tissue sealing. <i>Journal of Polymer Science Part A</i> , 2018, 56, 1564-1573.	2.5	11
12	Heterogeneous Removal of Water-Soluble Ruthenium Olefin Metathesis Catalyst from Aqueous Media Via Host-Guest Interaction. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	1
13	Oligo(ethylene glycol) Length Effect of Water-Soluble Ru-Based Olefin Metathesis Catalysts on Reactivity and Removability. <i>Journal of Organic Chemistry</i> , 2018, 83, 9787-9794.	1.7	16
14	Synthesis and adhesion control of glucose-based bioadhesive via strain-promoted azide-alkyne cycloaddition. <i>Polymer Chemistry</i> , 2018, 9, 3638-3650.	1.9	18
15	Single-Phase Photo-Cross-Linkable Bioinspired Adhesive for Precise Control of Adhesion Strength. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 1830-1839.	4.0	28
16	Photo-responsive bio-inspired adhesives: facile control of adhesion strength via a photocleavable crosslinker. <i>Polymer Chemistry</i> , 2017, 8, 6300-6308.	1.9	36
17	Catechol- and ketone-containing multifunctional bottlebrush polymers for oxime ligation and hydrogel formation. <i>Polymer Chemistry</i> , 2017, 8, 4707-4715.	1.9	21
18	Lignin-based polymers via graft copolymerization. <i>Journal of Polymer Science Part A</i> , 2017, 55, 3515-3528.	2.5	100

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19	Visible-Light Induced Thiolâ€Ene Reaction on Natural Lignin. ACS Sustainable Chemistry and Engineering, 2017, 5, 9160-9168.	3.2	58
20	Modified <i>N</i> -Heterocyclic Carbene Ligand for the Recovery of Olefin Metathesis Catalysts via Noncovalent Hostâ€Guest Interactions. ACS Omega, 2017, 2, 3951-3957.	1.6	13
21	Self-Healing Properties of Lignin-Containing Nanocomposite: Synthesis of Lignin- <i>graft</i> -poly(5-acetylamino-pentyl acrylate) via RAFT and Click Chemistry. Macromolecules, 2016, 49, 7246-7256.	2.2	63
22	POSS-Containing Bioinspired Adhesives with Enhanced Mechanical and Optical Properties for Biomedical Applications. Biomacromolecules, 2016, 17, 3853-3861.	2.6	44
23	Extraction and Types of Lignin. , 2016, , 13-25.		27
24	A universal route towards thermoplastic lignin composites with improved mechanical properties. Polymer, 2014, 55, 995-1003.	1.8	157
25	Lignin-Based Graft Copolymers via ATRP and Click Chemistry. ACS Symposium Series, 2013, , 373-391.	0.5	8
26	Chemistry of lignin-based materials. Green Materials, 2013, 1, 137-160.	1.1	134
27	Rapidly Cross-Linkable DOPA Containing Terpolymer Adhesives and PEG-Based Cross-Linkers for Biomedical Applications. Macromolecules, 2012, 45, 9666-9673.	2.2	110
28	Application of <sup>1</sup> H DOSY for Facile Measurement of Polymer Molecular Weights. Macromolecules, 2012, 45, 9595-9603.	2.2	175
29	Improved Lignin Polyurethane Properties with Lewis Acid Treatment. ACS Applied Materials & Interfaces, 2012, 4, 2840-2846.	4.0	186
30	Enhanced Adhesion of Dopamine Methacrylamide Elastomers via Viscoelasticity Tuning. Biomacromolecules, 2011, 12, 342-347.	2.6	88
31	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
32	Enhanced Reversible Adhesion of Dopamine Methacrylamide-Coated Elastomer Microfibrillar Structures under Wet Conditions. Langmuir, 2009, 25, 6607-6612.	1.6	193
33	Hydrophilic graft modification of a commercial crystalline polyolefin. Journal of Polymer Science Part A, 2008, 46, 3533-3545.	2.5	24
34	Regiospecific Side-Chain Functionalization of Linear Low-Density Polyethylene with Polar Groups. Angewandte Chemie - International Edition, 2005, 44, 6410-6413.	7.2	84