

# Robert C Ferrier

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

625  
citations

586496

16  
h-index

721071

23  
g-index

24  
all docs

24  
docs citations

24  
times ranked

981  
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile synthesis of epoxide-co-propylene sulphide polymers with compositional and architectural control. <i>Polymer Chemistry</i> , 2022, 13, 2803-2812.	1.9	4
2	Molecular View on Mechanical Reinforcement in Polymer Nanocomposites. <i>Physical Review Letters</i> , 2021, 126, 117801.	2.9	23
3	The versatile, functional polyether, polyepichlorohydrin: History, synthesis, and applications. <i>Journal of Polymer Science</i> , 2021, 59, 2704-2718.	2.0	20
4	Understanding the Effect of Precipitation Process Variables on Hardwood Lignin Characteristics and Recovery from Black Liquor. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 13997-14005.	3.2	28
5	Assembly of Indole Cores through a Palladium-Catalyzed Metathesis of Ar <sup>+</sup> -X <sup>-</sup> Bonds. <i>Organic Letters</i> , 2020, 22, 9556-9561.	2.4	10
6	Janus nanoparticle synthesis: Overview, recent developments, and applications. <i>Journal of Applied Physics</i> , 2020, 127, .	1.1	52
7	Aluminum-Based Initiators from Thiols for Epoxide Polymerizations. <i>Macromolecules</i> , 2020, 53, 8181-8191.	2.2	8
8	Recommendation for Accurate Experimental Determination of Reactivity Ratios in Chain Copolymerization. <i>Macromolecules</i> , 2019, 52, 2277-2285.	2.2	45
9	Demystifying the Mechanism of Regio- and Iselective Epoxide Polymerization Using the Vandenberg Catalyst. <i>Macromolecules</i> , 2018, 51, 1777-1786.	2.2	26
10	Controlling the polysulfide diffusion in lithium-sulfur batteries with a polymer membrane with intrinsic nanoporosity. <i>Materials Today Energy</i> , 2018, 7, 98-104.	2.5	31
11	Decoupling Catalysis and Chain-Growth Functions of Mono( <sup>1</sup> / <sub>4</sub> -alkoxo)bis(alkylaluminums) in Epoxide Polymerization: Emergence of the Na <sup>+</sup> -Al Adduct Catalyst. <i>ACS Catalysis</i> , 2018, 8, 8796-8803.	5.5	20
12	Out-of-plane orientation alignment and reorientation dynamics of gold nanorods in polymer nanocomposite films. <i>Soft Matter</i> , 2017, 13, 2207-2215.	1.2	11
13	Four-fold increase in epoxide polymerization rate with change of alkyl-substitution on mono- <sup>1</sup> / <sub>4</sub> -oxo-dialuminum initiators. <i>Polymer Chemistry</i> , 2017, 8, 4503-4511.	1.9	20
14	Ring-Opening Polymerization of Epoxides: Facile Pathway to Functional Polyethers via a Versatile Organoaluminum Initiator. <i>Macromolecules</i> , 2017, 50, 3121-3130.	2.2	42
15	Comparison of Field-Theoretic Approaches in Predicting Polymer Nanocomposite Phase Behavior. <i>Macromolecules</i> , 2017, 50, 8797-8809.	2.2	16
16	Fine Golden Rings: Tunable Surface Plasmon Resonance from Assembled Nanorods in Topological Defects of Liquid Crystals. <i>Advanced Materials</i> , 2016, 28, 2731-2736.	11.1	50
17	Engineering the Assembly of Gold Nanorods in Polymer Matrices. <i>Macromolecules</i> , 2016, 49, 1002-1015.	2.2	33
18	Dispersion of PMMA-grafted, mesoscopic iron-oxide rods in polymer films. <i>Soft Matter</i> , 2016, 12, 2550-2556.	1.2	10

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19	Tuning Optical Properties of Functionalized Gold Nanorods through Controlled Interactions with Organic Semiconductors. <i>Journal of Physical Chemistry C</i> , 2015, 119, 17899-17909.	1.5	4
20	Gold Nanorod Linking to Control Plasmonic Properties in Solution and Polymer Nanocomposites. <i>Langmuir</i> , 2014, 30, 1906-1914.	1.6	47
21	A facile route to synthesize nanogels doped with silver nanoparticles. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1323.	0.8	18
22	Polymer Single Crystal Templated Janus Nanoparticles. <i>Macromolecular Rapid Communications</i> , 2010, 31, 169-175.	2.0	51
23	Programmable Nanoparticle Assembly via Polymer Single Crystals. <i>Macromolecules</i> , 2009, 42, 9394-9399.	2.2	56