

Grant W Fahnhorst

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

210
citations

1307594

7
h-index

1372567

10
g-index

11
all docs

11
docs citations

11
times ranked

309
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | A Carbomethoxylated Polyvalerolactone from Malic Acid: Synthesis and Divergent Chemical Recycling. ACS Macro Letters, 2018, 7, 143-147. | 4.8 | 63 |
| 2 | Star vs long chain branching of poly(lactic acid) with multifunctional aziridine. Journal of Rheology, 2017, 61, 785-796. | 2.6 | 40 |
| 3 | Engineering the production of dipicolinic acid in E. coli. Metabolic Engineering, 2018, 48, 208-217. | 7.0 | 30 |
| 4 | Hydrolytically-degradable homo- and copolymers of a strained exocyclic hemiacetal ester. Polymer Chemistry, 2019, 10, 4573-4583. | 3.9 | 24 |
| 5 | 4-Carboalkoxylated Polyvalerolactones from Malic Acid: Tough and Degradable Polyesters. Macromolecules, 2020, 53, 3194-3201. | 4.8 | 17 |
| 6 | Isomerization of Linear to Hyperbranched Polymers: Two Isomeric Lactones Converge via Metastable Isostructural Polyesters to a Highly Branched Analogue. ACS Macro Letters, 2018, 7, 1144-1148. | 4.8 | 8 |
| 7 | Superabsorbent Poly(isoprenecarboxylate) Hydrogels from Glucose. ACS Sustainable Chemistry and Engineering, 2019, 7, 7491-7495. | 6.7 | 8 |
| 8 | Poly(isoprenecarboxylates) from Glucose via Anhydromevalonolactone. ACS Macro Letters, 2016, 5, 1128-1131. | 4.8 | 7 |
| 9 | Iodination of vanillin and subsequent Suzuki-Miyaura coupling: two-step synthetic sequence teaching green chemistry principles. Green Chemistry Letters and Reviews, 2019, 12, 117-126. | 4.7 | 7 |
| 10 | Synthesis and Study of Sustainable Polymers in the Organic Chemistry Laboratory: An Inquiry-Based Experiment Exploring the Effects of Size and Composition on the Properties of Renewable Block Polymers. ACS Symposium Series, 2016, , 123-147. | 0.5 | 6 |
| 11 | Long chain branching of PLA. AIP Conference Proceedings, 2017, , . | 0.4 | 0 |