

Adrian Moreno Guerra

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

26

papers

334

citations

12

h-index

17

g-index

28

ext. papers

451

ext. citations

7.2

avg, IF

4.5

L-index

#	Paper	IF	Citations
26	Lignin-based smart materials: a roadmap to processing and synthesis for current and future applications. <i>Materials Horizons</i> , 2020 , 7, 2237-2257	14.4	70
25	Biocatalytic nanoparticles for the stabilization of degassed single electron transfer-living radical pickering emulsion polymerizations. <i>Nature Communications</i> , 2020 , 11, 5599	17.4	23
24	SET-LRP mediated by TREN in biphasic water/organic solvent mixtures provides the most economical and efficient process. <i>Polymer Chemistry</i> , 2017 , 8, 7559-7574	4.9	21
23	Access to tough and transparent nanocomposites via Pickering emulsion polymerization using biocatalytic hybrid lignin nanoparticles as functional surfactants. <i>Green Chemistry</i> , 2021 , 23, 3001-3014	10	20
22	SET-LRP in the Neoteric Ethyl Lactate Alcohol. <i>Biomacromolecules</i> , 2017 , 18, 3447-3456	6.9	18
21	Macromonomers, telechelics and more complex architectures of PMA by a combination of biphasic SET-LRP and biphasic esterification. <i>Polymer Chemistry</i> , 2018 , 9, 1885-1899	4.9	15
20	Polyacrylates Derived from Biobased Ethyl Lactate Solvent via SET-LRP. <i>Biomacromolecules</i> , 2019 , 20, 2135-2147	6.9	14
19	Acrylate-macromonomers and telechelics of PBA by merging biphasic SET-LRP of BA, chain extension with MA and biphasic esterification. <i>Polymer Chemistry</i> , 2018 , 9, 1961-1971	4.9	14
18	Replacing Cu(II)Br with Me-TREN in Biphasic Cu(0)/TREN Catalyzed SET-LRP Reveals the Mixed-Ligand Effect. <i>Biomacromolecules</i> , 2020 , 21, 250-261	6.9	14
17	SET-LRP in biphasic mixtures of fluorinated alcohols with water. <i>Polymer Chemistry</i> , 2018 , 9, 2313-2327	4.9	13
16	Unravelling the Hydration Barrier of Lignin Oleate Nanoparticles for Acid- and Base-Catalyzed Functionalization in Dispersion State. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 20897-20905	16.4	13
15	Photoinduced Upgrading of Lactic Acid-Based Solvents to Block Copolymer Surfactants. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 1276-1284	8.3	12
14	Linear and branched acetal polymers from castor oil via acetal metathesis polymerization. <i>European Polymer Journal</i> , 2018 , 108, 348-356	5.2	12
13	SET-LRP of Bio- and Petroleum-Sourced Methacrylates in Aqueous Alcoholic Mixtures. <i>Biomacromolecules</i> , 2019 , 20, 1816-1827	6.9	11
12	SET-LRP from Programmed Difunctional Initiators Encoded with Double Single-Cleavage and Double Dual-Cleavage Groups. <i>Biomacromolecules</i> , 2019 , 20, 3200-3210	6.9	10
11	Orthogonally functionalizable polyacetals: a versatile platform for the design of acid sensitive amphiphilic copolymers. <i>Polymer Chemistry</i> , 2019 , 10, 5215-5227	4.9	9
10	SET-LRP in Biphasic Mixtures of the Nondisproportionating Solvent Hexafluoroisopropanol with Water. <i>Biomacromolecules</i> , 2018 , 19, 4480-4491	6.9	8

9	pH-Responsive Micellar Nanoassemblies from Water-Soluble Telechelic Homopolymers Encoding Acid-Labile Middle-Chain Groups in Their Hydrophobic Sequence-Defined Initiator Residue. <i>ACS Macro Letters</i> , 2019 , 8, 1200-1208	6.6	7
8	Catalyst-Free Synthesis of Lignin Vitrimers with Tunable Mechanical Properties: Circular Polymers and Recoverable Adhesives. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 57952-57961	9.5	6
7	Programming Self-Assembly and Stimuli-Triggered Response of Hydrophilic Telechelic Polymers with Sequence-Encoded Hydrophobic Initiators. <i>Macromolecules</i> , 2020 , 53, 7285-7297	5.5	6
6	Acetone: a solvent or a reagent depending on the addition order in SET-LRP. <i>Polymer Chemistry</i> , 2018 , 9, 5411-5417	4.9	5
5	Dual Biochemically Breakable Drug Carriers from Programmed Telechelic Homopolymers. <i>Biomacromolecules</i> , 2020 , 21, 4313-4325	6.9	4
4	Primary interactions of biomass components during fast pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021 , 159, 105297	6	4
3	Highly reactive Bromoacrylate monomers and Michael acceptors obtained by Cu(II)Br ₂ -dibromination of acrylates and instantaneous E2 by a ligand. <i>Polymer Chemistry</i> , 2018 , 9, 2082-2086	4.9	2
2	Chemical modification and functionalization of lignin nanoparticles 2022 , 385-431		1
1	Unravelling the Hydration Barrier of Lignin Oleate Nanoparticles for Acid- and Base-Catalyzed Functionalization in Dispersion State. <i>Angewandte Chemie</i> , 2021 , 133, 21065-21073	3.6	