

# Adrian Moreno Guerra

## List of Publications by Year in descending order

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28  
papers

625  
citations

516561

16  
h-index

580701

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all docs

28  
docs citations

28  
times ranked

504  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lignin-based smart materials: a roadmap to processing and synthesis for current and future applications. <i>Materials Horizons</i> , 2020, 7, 2237-2257.	6.4	129
2	Catalyst-Free Synthesis of Lignin Vitrimers with Tunable Mechanical Properties: Circular Polymers and Recoverable Adhesives. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 57952-57961.	4.0	51
3	Biocatalytic nanoparticles for the stabilization of degassed single electron transfer-living radical pickering emulsion polymerizations. <i>Nature Communications</i> , 2020, 11, 5599.	5.8	44
4	Access to tough and transparent nanocomposites <i>via</i> Pickering emulsion polymerization using biocatalytic hybrid lignin nanoparticles as functional surfactants. <i>Green Chemistry</i> , 2021, 23, 3001-3014.	4.6	40
5	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.	7.2	34
6	Polyacrylates Derived from Biobased Ethyl Lactate Solvent via SET-LRP. <i>Biomacromolecules</i> , 2019, 20, 2135-2147.	2.6	33
7	Replacing Cu(II)Br <sub>2</sub> with Me <sub>6</sub> -TREN in Biphasic Cu(0)/TREN Catalyzed SET-LRP Reveals the Mixed-Ligand Effect. <i>Biomacromolecules</i> , 2020, 21, 250-261.	2.6	26
8	SET-LRP in the Neoteric Ethyl Lactate Alcohol. <i>Biomacromolecules</i> , 2017, 18, 3447-3456.	2.6	23
9	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.	1.9	22
10	Photoinduced Upgrading of Lactic Acid-Based Solvents to Block Copolymer Surfactants. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 1276-1284.	3.2	22
11	Fully Biobased Photothermal Films and Coatings for Indoor Ultraviolet Radiation and Heat Management. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 12693-12702.	4.0	21
12	Primary interactions of biomass components during fast pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 159, 105297.	2.6	20
13	SET-LRP of Bio- and Petroleum-Sourced Methacrylates in Aqueous Alcoholic Mixtures. <i>Biomacromolecules</i> , 2019, 20, 1816-1827.	2.6	17
14	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.	1.9	16
15	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.	1.9	16
16	SET-LRP in biphasic mixtures of fluorinated alcohols with water. <i>Polymer Chemistry</i> , 2018, 9, 2313-2327.	1.9	16
17	SET-LRP from Programmed Difunctional Initiators Encoded with Double Single-Cleavage and Double Dual-Cleavage Groups. <i>Biomacromolecules</i> , 2019, 20, 3200-3210.	2.6	15
18	Linear and branched acetal polymers from castor oil via acetal metathesis polymerization. <i>European Polymer Journal</i> , 2018, 108, 348-356.	2.6	14

#	ARTICLE	IF	CITATIONS
19	Orthogonally functionalizable polyacetals: a versatile platform for the design of acid sensitive amphiphilic copolymers. <i>Polymer Chemistry</i> , 2019, 10, 5215-5227.	1.9	12
20	SET-LRP in Biphasic Mixtures of the Nondisproportionating Solvent Hexafluoroisopropanol with Water. <i>Biomacromolecules</i> , 2018, 19, 4480-4491.	2.6	11
21	Programming Self-Assembly and Stimuli-Triggered Response of Hydrophilic Telechelic Polymers with Sequence-Encoded Hydrophobic Initiators. <i>Macromolecules</i> , 2020, 53, 7285-7297.	2.2	10
22	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.	2.3	8
23	Chemical modification and functionalization of lignin nanoparticles. , 2022, , 385-431.		8
24	Acetone: a solvent or a reagent depending on the addition order in SET-LRP. <i>Polymer Chemistry</i> , 2018, 9, 5411-5417.	1.9	7
25	Dual Biochemically Breakable Drug Carriers from Programmed Telechelic Homopolymers. <i>Biomacromolecules</i> , 2020, 21, 4313-4325.	2.6	5
26	Highly reactive $\alpha$ -bromoacrylate monomers and Michael acceptors obtained by Cu(ii)Br <sub>2</sub> -dibromination of acrylates and instantaneous E2 by a ligand. <i>Polymer Chemistry</i> , 2018, 9, 2082-2086.	1.9	3
27	Tetramethyl guanidine-assisted synthesis and thermal crosslinking of multifunctional benzoxazine monomers based on natural phloretic acid. <i>Journal of Polymer Science</i> , 0, , .	2.0	2
28	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.	1.6	0