Adrian Moreno Guerra

List of Publications by Year in Descending Order

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	Chemical modification and functionalization of lignin nanoparticles **2022**, 385-431		1
25	Catalyst-Free Synthesis of Lignin Vitrimers with Tunable Mechanical Properties: Circular Polymers and Recoverable Adhesives. *ACS Applied Materials & Interfaces*, **2021**, 13, 57952-57961	9.5	6
24	Unravelling the Hydration Barrier of Lignin Oleate Nanoparticles for Acid- and Base-Catalyzed Functionalization in Dispersion State. *Angewandte Chemie*, **2021**, 133, 21065-21073	3.6	
23	Unravelling the Hydration Barrier of Lignin Oleate Nanoparticles for Acid- and Base-Catalyzed Functionalization in Dispersion State. *Angewandte Chemie - International Edition*, **2021**, 60, 20897-20905	16.4	13
22	Primary interactions of biomass components during fast pyrolysis. *Journal of Analytical and Applied Pyrolysis*, **2021**, 159, 105297	6	4
21	Access to tough and transparent nanocomposites via Pickering emulsion polymerization using biocatalytic hybrid lignin nanoparticles as functional surfactants. *Green Chemistry*, **2021**, 23, 3001-3014	10	20
20	Lignin-based smart materials: a roadmap to processing and synthesis for current and future applications. *Materials Horizons*, **2020**, 7, 2237-2257	14.4	70
19	Photoinduced Upgrading of Lactic Acid-Based Solvents to Block Copolymer Surfactants. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 1276-1284	8.3	12
18	Biocatalytic nanoparticles for the stabilization of degassed single electron transfer-living radical pickering emulsion polymerizations. *Nature Communications*, **2020**, 11, 5599	17.4	23
17	Dual Biochemically Breakable Drug Carriers from Programmed Telechelic Homopolymers. *Biomacromolecules*, **2020**, 21, 4313-4325	6.9	4
16	Programming Self-Assembly and Stimuli-Triggered Response of Hydrophilic Telechelic Polymers with Sequence-Encoded Hydrophobic Initiators. *Macromolecules*, **2020**, 53, 7285-7297	5.5	6
15	Replacing Cu(II)Br with Me-TREN in Biphasic Cu(0)/TREN Catalyzed SET-LRP Reveals the Mixed-Ligand Effect. *Biomacromolecules*, **2020**, 21, 250-261	6.9	14
14	pH-Responsive Micellar Nanoassemblies from Water-Soluble Telechelic Homopolymers Endcoding Acid-Labile Middle-Chain Groups in Their Hydrophobic Sequence-Defined Initiator Residue. *ACS Macro Letters*, **2019**, 8, 1200-1208	6.6	7
13	Orthogonally functionalizable polyacetals: a versatile platform for the design of acid sensitive amphiphilic copolymers. *Polymer Chemistry*, **2019**, 10, 5215-5227	4.9	9
12	Polyacrylates Derived from Biobased Ethyl Lactate Solvent via SET-LRP. *Biomacromolecules*, **2019**, 20, 2135-2147	6.9	14
11	SET-LRP of Bio- and Petroleum-Sourced Methacrylates in Aqueous Alcoholic Mixtures. *Biomacromolecules*, **2019**, 20, 1816-1827	6.9	11
10	SET-LRP from Programmed Difunctional Initiators Encoded with Double Single-Cleavage and Double Dual-Cleavage Groups. *Biomacromolecules*, **2019**, 20, 3200-3210	6.9	10

9	Macromonomers, telechelics and more complex architectures of PMA by a combination of biphasic SET-LRP and biphasic esterification. *Polymer Chemistry*, **2018**, 9, 1885-1899	4.9	15
8	Acrylate-macromonomers and telechelics of PBA by merging biphasic SET-LRP of BA, chain extension with MA and biphasic esterification. *Polymer Chemistry*, **2018**, 9, 1961-1971	4.9	14
7	SET-LRP in biphasic mixtures of fluorinated alcohols with water. *Polymer Chemistry*, **2018**, 9, 2313-2327	4.9	13
6	Highly reactive α-bromoacrylate monomers and Michael acceptors obtained by Cu(II)Br2-dibromination of acrylates and instantaneous E2 by a ligand. *Polymer Chemistry*, **2018**, 9, 2082-2086	4.9	2
5	Acetone: a solvent or a reagent depending on the addition order in SET-LRP. *Polymer Chemistry*, **2018**, 9, 5411-5417	4.9	5
4	SET-LRP in Biphasic Mixtures of the Nondisproportionating Solvent Hexafluoroisopropanol with Water. *Biomacromolecules*, **2018**, 19, 4480-4491	6.9	8
3	Linear and branched acetal polymers from castor oil via acetal metathesis polymerization. *European Polymer Journal*, **2018**, 108, 348-356	5.2	12
2	SET-LRP in the Neoteric Ethyl Lactate Alcohol. *Biomacromolecules*, **2017**, 18, 3447-3456	6.9	18
1	SET-LRP mediated by TREN in biphasic water–organic solvent mixtures provides the most economical and efficient process. *Polymer Chemistry*, **2017**, 8, 7559-7574	4.9	21