

Andrew J D Magenau

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6015984/publications.pdf>

Version: 2024-02-01

33
papers

3,049
citations

236925

25
h-index

377865

34
g-index

35
all docs

35
docs citations

35
times ranked

2253
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemically Mediated Atom Transfer Radical Polymerization. <i>Science</i> , 2011, 332, 81-84.	12.6	724
2	Electrochemically mediated atom transfer radical polymerization (eATRP). <i>Progress in Polymer Science</i> , 2017, 69, 47-78.	24.7	295
3	ICAR ATRP with ppm Cu Catalyst in Water. <i>Macromolecules</i> , 2012, 45, 4461-4468.	4.8	228
4	ATRP under Biologically Relevant Conditions: Grafting from a Protein. <i>ACS Macro Letters</i> , 2012, 1, 6-10.	4.8	224
5	Controlled Aqueous Atom Transfer Radical Polymerization with Electrochemical Generation of the Active Catalyst. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11391-11394.	13.8	205
6	Investigation of Electrochemically Mediated Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2013, 46, 4346-4353.	4.8	148
7	ARGET ATRP of Methyl Acrylate with Inexpensive Ligands and ppm Concentrations of Catalyst. <i>Macromolecules</i> , 2011, 44, 811-819.	4.8	143
8	Substituted Tris(2-pyridylmethyl)amine Ligands for Highly Active ATRP Catalysts. <i>ACS Macro Letters</i> , 2012, 1, 1037-1040.	4.8	97
9	ATRP of Methacrylates Utilizing Cu ^{II} X ₂ /L and Copper Wire. <i>Macromolecules</i> , 2010, 43, 9682-9689.	4.8	75
10	Preparation of Cationic Nanogels for Nucleic Acid Delivery. <i>Biomacromolecules</i> , 2012, 13, 3445-3449.	5.4	71
11	Covalently incorporated protein nanogels using AGET ATRP in an inverse miniemulsion. <i>Polymer Chemistry</i> , 2011, 2, 1476.	3.9	66
12	Star Synthesis Using Macroinitiators via Electrochemically Mediated Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2013, 46, 5856-5860.	4.8	65
13	Systematic Insights from Medicinal Chemistry To Discern the Nature of Polymer Hydrophobicity. <i>Macromolecules</i> , 2015, 48, 7230-7236.	4.8	61
14	Highly Active Bipyridine-Based Ligands for Atom Transfer Radical Polymerization. <i>ACS Macro Letters</i> , 2012, 1, 508-512.	4.8	58
15	Polyisobutylene RAFT CTA by a Click Chemistry Site Transformation Approach: Synthesis of Poly(isobutylene-b-N-isopropylacrylamide). <i>Macromolecules</i> , 2009, 42, 8044-8051.	4.8	57
16	Facile polyisobutylene functionalization via thiol-ene click chemistry. <i>Polymer Chemistry</i> , 2010, 1, 831.	3.9	51
17	Oxygen Tolerant and Room Temperature RAFT through Alkylborane Initiation. <i>ACS Macro Letters</i> , 2018, 7, 370-375.	4.8	51
18	Site Transformation of Polyisobutylene Chain Ends into Functional RAFT Agents for Block Copolymer Synthesis. <i>Macromolecules</i> , 2009, 42, 2353-2359.	4.8	46

#	ARTICLE	IF	CITATIONS
19	Halogen Conservation in Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2012, 45, 8929-8932.	4.8	43
20	Well-Dispersed Nanocomposites Using Covalently Modified, Multilayer, 2D Titanium Carbide (MXene) and In-Situ "Click" Polymerization. <i>Chemistry of Materials</i> , 2021, 33, 1648-1656.	6.7	37
21	Effect of Base/Nucleophile Treatment on Interlayer Ion Intercalation, Surface Terminations, and Osmotic Swelling of Ti ₃ C ₂ T _z MXene Multilayers. <i>Chemistry of Materials</i> , 2022, 34, 678-693.	6.7	33
22	From Click Chemistry to Cross-Coupling: Designer Polymers from One Efficient Reaction. <i>Macromolecules</i> , 2017, 50, 8010-8018.	4.8	28
23	Two-compartment kinetic Monte Carlo modelling of electrochemically mediated ATRP. <i>Reaction Chemistry and Engineering</i> , 2018, 3, 866-874.	3.7	28
24	Functionalization-Induced Self-Assembly of Block Copolymers for Nanoparticle Synthesis. <i>ACS Macro Letters</i> , 2018, 7, 1503-1508.	4.8	26
25	Bottom-up, scalable synthesis of anatase nanofilament-based two-dimensional titanium carbo-oxide flakes. <i>Materials Today</i> , 2022, 54, 8-17.	14.2	24
26	Thiol-terminated polyisobutylene: Synthesis, characterization, and derivatization. <i>Journal of Polymer Science Part A</i> , 2010, 48, 5505-5513.	2.3	23
27	Reaction-induced phase transitions with block copolymers in solution and bulk. <i>Polymer Chemistry</i> , 2021, 12, 12-28.	3.9	20
28	Functionalization-induced self-assembly under ambient conditions via thiol-epoxide "click" chemistry. <i>Polymer Chemistry</i> , 2020, 11, 298-303.	3.9	15
29	Arm-first star polymer synthesis in one-pot via alkylborane-initiated <i>scp</i> RAFT. <i>Journal of Polymer Science</i> , 2020, 58, 1463-1471.	3.8	15
30	Alkylborane-Initiated Thiol-Ene Networks for the Synthesis of Thick and Highly Loaded Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 55262-55268.	8.0	14
31	Genetically targeted fluorogenic macromolecules for subcellular imaging and cellular perturbation. <i>Biomaterials</i> , 2015, 66, 1-8.	11.4	9
32	Functional polyisobutylenes via a click chemistry approach. <i>Journal of Polymer Science Part A</i> , 2010, 48, 2533-2545.	2.3	7
33	Grafting-through ROMP for gels with tailorable moduli and crosslink densities. <i>Polymer Chemistry</i> , 2018, 9, 5173-5178.	3.9	5