

Tara Y Meyer

List of Publications by Year in descending order

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52
papers

2,081
citations

218381

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all docs

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docs citations

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times ranked

2081
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploiting Sequence To Control the Hydrolysis Behavior of Biodegradable PLGA Copolymers. <i>Journal of the American Chemical Society</i> , 2011, 133, 6910-6913.	6.6	196
2	New Insights into Poly(lactic-co-glycolic acid) Microstructure: Using Repeating Sequence Copolymers To Decipher Complex NMR and Thermal Behavior. <i>Journal of the American Chemical Society</i> , 2010, 132, 10920-10934.	6.6	142
3	The Effect of Monomer Order on the Hydrolysis of Biodegradable Poly(lactic-co-glycolic acid) Repeating Sequence Copolymers. <i>Journal of the American Chemical Society</i> , 2012, 134, 16352-16359.	6.6	137
4	Catalytic CN Bond Formation by Metal-Imide-Mediated Imine Metathesis. <i>Journal of the American Chemical Society</i> , 1998, 120, 8035-8042.	6.6	94
5	Sequence-Controlled Copolymers Prepared via Entropy-Driven Ring-Opening Metathesis Polymerization. <i>ACS Macro Letters</i> , 2015, 4, 1039-1043.	2.3	85
6	Chemical and Electrochemical Manipulation of Mechanical Properties in Stimuli-Responsive Copper-Cross-Linked Hydrogels. <i>ACS Macro Letters</i> , 2013, 2, 1095-1099.	2.3	81
7	The impact of monomer sequence and stereochemistry on the swelling and erosion of biodegradable poly(lactic-co-glycolic acid) matrices. <i>Biomaterials</i> , 2017, 117, 66-76.	5.7	76
8	Sequence-Controlled Polymers Through Entropy-Driven Ring-Opening Metathesis Polymerization: Theory, Molecular Weight Control, and Monomer Design. <i>Journal of the American Chemical Society</i> , 2019, 141, 5741-5752.	6.6	75
9	The Regio- and Stereoselective One-Pot Catalytic Preparation of β^2 -Selenyl Acrylamides. <i>Organic Letters</i> , 2004, 6, 687-689.	2.4	70
10	Sequence Matters: Modulating Electronic and Optical Properties of Conjugated Oligomers via Tailored Sequence. <i>Macromolecules</i> , 2013, 46, 1384-1392.	2.2	67
11	Transition-Metal-Catalyzed Imine Metathesis. <i>Organometallics</i> , 1997, 16, 5381-5383.	1.1	61
12	Linear and Hyperbranchedm-Polyaniline: Synthesis of Polymers for the Study of Magnetism in Organic Systems. <i>Macromolecules</i> , 1998, 31, 3158-3161.	2.2	61
13	Manipulating Mechanical Properties with Electricity: Electroplastic Elastomer Hydrogels. <i>ACS Macro Letters</i> , 2012, 1, 204-208.	2.3	59
14	Stimuli-Responsive Iron-Cross-Linked Hydrogels That Undergo Redox-Driven Switching between Hard and Soft States. <i>Macromolecules</i> , 2015, 48, 1736-1747.	2.2	55
15	The Synthesis and Olefin Reactivity of Neutral and Cationic Tantalum Amidinate~Pentamethylcyclopentadienyl Complexes. <i>Organometallics</i> , 1999, 18, 4417-4420.	1.1	51
16	Monomer sequence in PLGA microparticles: Effects on acidic microclimates and in vivo inflammatory response. <i>Acta Biomaterialia</i> , 2018, 65, 259-271.	4.1	51
17	A Palladium-Catalyzed Regio- and Stereoselective Four-Component Coupling Reaction. <i>Journal of Organic Chemistry</i> , 2005, 70, 785-796.	1.7	50
18	o,p-Polyaniline: A New Form of a Classic Conducting Polymer. <i>Macromolecules</i> , 2003, 36, 4368-4373.	2.2	47

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19	Role of Trace Amine in the Metathesis of Imines by CpTa(NR)Cl ₂ . <i>Organometallics</i> , 2002, 21, 1933-1941.	1.1	44
20	Chirality-Directed Regioselectivity: An Approach for the Synthesis of Alternating Poly(Lactic- <i>cis</i> -Glycolic Acid). <i>Journal of the American Chemical Society</i> , 2021, 143, 4119-4124.	6.6	44
21	Catalytic Double-Bond Metathesis without the Transition Metal. <i>Journal of the American Chemical Society</i> , 2002, 124, 10698-10705.	6.6	40
22	Synthesis of repeating sequence copolymers of lactic, glycolic, and caprolactic acids. <i>Journal of Polymer Science Part A</i> , 2011, 49, 1847-1855.	2.5	39
23	Preparation and microstructural analysis of poly(lactic- <i>cis</i> -glycolic acid). <i>Journal of Polymer Science Part A</i> , 2008, 46, 4704-4711.	2.5	35
24	Learning from Peptides to Access Functional Precision Polymer Sequences. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10747-10751.	7.2	35
25	Sequence Effects in Donor-Acceptor Oligomeric Semiconductors Comprising Benzothiadiazole and Phenylenevinylene Monomers. <i>Macromolecules</i> , 2017, 50, 151-161.	2.2	33
26	Ring-Opening Metathesis of a Cyclic Imine. <i>Organometallics</i> , 2000, 19, 3562-3568.	1.1	27
27	Periodic Incorporation of Pendant Hydroxyl Groups in Repeating Sequence PLGA Copolymers. <i>Macromolecular Rapid Communications</i> , 2011, 32, 220-225.	2.0	27
28	<i>cis</i> -Selective Metathesis to Enhance the Living Character of Ring-Opening Polymerization: An Approach to Sequenced Copolymers. <i>ACS Macro Letters</i> , 2018, 7, 858-862.	2.3	25
29	Iterative Synthesis of Heterotelechelic Oligo(phenylene-vinylene)s by Olefin Cross-Metathesis. <i>Organic Letters</i> , 2010, 12, 5514-5517.	2.4	24
30	Iminophosphorane Mediated Imine Metathesis. <i>Inorganic Chemistry</i> , 2003, 42, 3438-3444.	1.9	23
31	Sequence Effects in Conjugated Donor-Acceptor Trimers and Polymers. <i>Macromolecular Rapid Communications</i> , 2016, 37, 882-887.	2.0	23
32	Short-Term and Long-Term Effects of POGIL in a Large-Enrollment General Chemistry Course. <i>Journal of Chemical Education</i> , 2020, 97, 1228-1238.	1.1	21
33	Ring-Opening of a Cyclic Imine: The First Step of Imine ROMP. <i>Organometallics</i> , 1999, 18, 4250-4252.	1.1	19
34	Organic/Fluorous Phase Extraction: A New Tool for the Isolation of Organometallic Complexes. <i>Organometallics</i> , 1998, 17, 1458-1459.	1.1	18
35	Synthesis and Characterization of Repeating Sequence Copolymers of Fluorene and Methylene Monomers. <i>Macromolecules</i> , 2008, 41, 31-35.	2.2	18
36	Iminophosphorane-mediated carbodiimide metathesis. <i>Chemical Communications</i> , 2000, , 1375-1376.	2.2	16

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37	C–H activation of pendant alkoxides by tungsten imide complexes. <i>Journal of Organometallic Chemistry</i> , 1999, 591, 104-113.	0.8	14
38	Proton as the Simplest of All Catalysts for [2 + 2] Cycloadditions: A DFT Study of Acid-Catalyzed Imine Metathesis. <i>Journal of Organic Chemistry</i> , 2004, 69, 6173-6184.	1.7	14
39	Mono- and Terfluorene Oligomers as Versatile Sensitizers for the Luminescent Eu ³⁺ Cation. <i>Inorganic Chemistry</i> , 2009, 48, 6332-6334.	1.9	13
40	Determining Sequence Fidelity in Repeating Sequence Poly(lactic-co-glycolic acid)s. <i>Macromolecules</i> , 2017, 50, 550-560.	2.2	13
41	Influence of Short-Range Scrambling of Monomer Order on the Hydrolysis Behaviors of Sequenced Degradable Polyesters. <i>Macromolecules</i> , 2019, 52, 4694-4702.	2.2	11
42	Property impact of common linker segments in sequence-controlled polyesters. <i>Polymer Chemistry</i> , 2019, 10, 244-252.	1.9	10
43	Engineering Hydrolytic Degradation Behavior of Poly(lactic-co-glycolic acid) through Precise Control of Monomer Sequence. <i>ACS Symposium Series</i> , 2014, , 271-286.	0.5	9
44	Consequences of isolated critical monomer sequence errors for the hydrolysis behaviors of sequenced degradable polyesters. <i>Polymer Chemistry</i> , 2019, 10, 4930-4934.	1.9	5
45	Quantitative Assessment of the Connection between Steric Hindrance and Electronic Coupling in 2,5-Bis(alkoxy)benzene-Based Mixed-Valence Dimers. <i>Journal of Physical Chemistry C</i> , 2014, 118, 12693-12699.	1.5	4
46	Von Peptiden lernen: eine Strategie für das Design funktionaler Präzisionspolymersequenzen. <i>Angewandte Chemie</i> , 2019, 131, 10858-10863.	1.6	4
47	Ph ₂ PCl ₃ : A Covalency in Solution and the Solid State. <i>Inorganic Chemistry</i> , 1999, 38, 2524-2526.	1.9	3
48	Dichloro(isopropylamido)bis(isopropylamine)(isopropylimido)tantalum(V), a monomeric TaV compound with imido, amido and amino moieties. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2003, 59, m46-m48.	0.4	2
49	Liquids that Freeze when Mixed: Homogeneous Cocrystallization Kinetics of Polyoxacyclobutane–Water Hydrate. <i>ACS Applied Polymer Materials</i> , 2022, 4, 703-713.	2.0	2
50	(2-Fluorophenylimino)tri(1-pyrrolyl)phosphorane. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2001, 57, 1341-1342.	0.4	0
51	The Regio- and Stereoselective One-Pot Catalytic Preparation of ¹²⁵ I-Selenyl Acrylamides.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
52	A Palladium-Catalyzed Regio- and Stereoselective Four-Component Coupling Reaction.. <i>ChemInform</i> , 2005, 36, no.	0.1	0