

Bryan T Tuten

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,175
citations

471509

17
h-index

501196

28
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30
all docs

30
docs citations

30
times ranked

938
citing authors

#	ARTICLE	IF	CITATIONS
1	A brief user's guide to single-chain nanoparticles. <i>Polymer Chemistry</i> , 2015, 6, 181-197.	3.9	251
2	Single-chain polymer nanoparticles via reversible disulfide bridges. <i>Polymer Chemistry</i> , 2012, 3, 3068.	3.9	150
3	Intra-chain Photodimerization of Pendant Anthracene Units as an Efficient Route to Single-chain Nanoparticle Fabrication. <i>Macromolecular Rapid Communications</i> , 2014, 35, 249-253.	3.9	126
4	Visible Light [2 + 2] Cycloadditions for Reversible Polymer Ligation. <i>Macromolecules</i> , 2018, 51, 3802-3807.	4.8	84
5	Controlled folding of a novel electroactive polyolefin via multiple sequential orthogonal intra-chain interactions. <i>Chemical Communications</i> , 2013, 49, 4178-4180.	4.1	80
6	Macromolecular Superstructures: A Future Beyond Single Chain Nanoparticles. <i>Israel Journal of Chemistry</i> , 2020, 60, 86-99.	2.3	55
7	Characterizing single chain nanoparticles (SCNPs): a critical survey. <i>Polymer Chemistry</i> , 2017, 8, 5845-5851.	3.9	45
8	Visible-Light-Induced Passerini Multicomponent Polymerization. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5672-5676.	13.8	43
9	Contemporary catalyst-free photochemistry in synthetic macromolecular science. <i>Progress in Polymer Science</i> , 2020, 100, 101183.	24.7	30
10	Pyreneacyl sulfides as a visible light-induced versatile ligation platform. <i>Chemical Communications</i> , 2017, 53, 4501-4504.	4.1	29
11	Light-Controlled Orthogonal Covalent Bond Formation at Two Different Wavelengths. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7470-7474.	13.8	28
12	Imaging Single-Chain Nanoparticle Folding via High-Resolution Mass Spectrometry. <i>Journal of the American Chemical Society</i> , 2017, 139, 51-54.	13.7	27
13	Porphyrim-Cored Polymer Nanoparticles: Macromolecular Models for Heme Iron Coordination. <i>Inorganic Chemistry</i> , 2016, 55, 9493-9496.	4.0	25
14	Efficient fabrication of polymer nanoparticles via sonogashira cross-linking of linear polymers in dilute solution. <i>Journal of Polymer Science Part A</i> , 2016, 54, 209-217.	2.3	24
15	Polyselenoureas via Multicomponent Polymerizations Using Elemental Selenium as Monomer. <i>ACS Macro Letters</i> , 2018, 7, 898-903.	4.8	22
16	Intra-chain radical chemistry as a route to poly(norbornene imide) single-chain nanoparticles: structural considerations and the role of adventitious oxygen. <i>Polymer Chemistry</i> , 2015, 6, 5555-5559.	3.9	21
17	Characterization of single-chain polymer folding using size exclusion chromatography with multiple modes of detection. <i>Applied Petrochemical Research</i> , 2015, 5, 9-17.	1.3	19
18	An in-depth analysis approach enabling precision single chain nanoparticle design. <i>Polymer Chemistry</i> , 2020, 11, 6559-6578.	3.9	19

#	ARTICLE	IF	CITATIONS
19	Are Metal Halide Perovskite Solar Cells Ready for Space Applications?. Journal of Physical Chemistry Letters, 2022, 13, 2908-2920.	4.6	16
20	Radical-Induced Single-Chain Collapse of Passerini Sequence-Regulated Polymers Assessed by High-Resolution Mass Spectrometry. Macromolecules, 2018, 51, 3967-3974.	4.8	14
21	Critical Assessment of the Application of Multidetector SEC and AF4 for the Separation of Single-Chain Nanoparticles. ACS Macro Letters, 2020, 9, 1569-1575.	4.8	13
22	Multicomponent Reactions in Polymer Chemistry Utilizing Heavier Main Group Elements. Macromolecular Rapid Communications, 2021, 42, 2000495.	3.9	13
23	Visible Light Activation of Spin-Silenced Fluorescence. Chemistry - A European Journal, 2018, 24, 12246-12249.	3.3	11
24	Densely Functionalized Pendant Oligoaniline Bearing Poly(oxanorbornenes): Synthesis and Electronic Properties. Macromolecules, 2015, 48, 5054-5057.	4.8	10
25	Lichtinduzierte orthogonale Bildung kovalenter Bindungen durch zwei Wellenlängen. Angewandte Chemie, 2019, 131, 7548-7552.	2.0	7
26	Degradation of Melt Electrowritten PCL Scaffolds Following Melt Processing and Plasma Surface Treatment. Macromolecular Rapid Communications, 2021, 42, e2100433.	3.9	7
27	Four component Passerini polymerization of bulky monomers under high shear flow. Chemical Communications, 2021, 57, 8328-8331.	4.1	4
28	Visible-Light-Induced Passerini Multicomponent Polymerization. Angewandte Chemie, 2019, 131, 5728-5732.	2.0	2