

# Bryan T Tuten

## List of Publications by Year in descending order

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28  
papers

1,175  
citations

471509

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h-index

501196

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30  
all docs

30  
docs citations

30  
times ranked

938  
citing authors

#	ARTICLE	IF	CITATIONS
1	Are Metal Halide Perovskite Solar Cells Ready for Space Applications?. Journal of Physical Chemistry Letters, 2022, 13, 2908-2920.	4.6	16
2	Multicomponent Reactions in Polymer Chemistry Utilizing Heavier Main Group Elements. Macromolecular Rapid Communications, 2021, 42, 2000495.	3.9	13
3	Four component Passerini polymerization of bulky monomers under high shear flow. Chemical Communications, 2021, 57, 8328-8331.	4.1	4
4	Degradation of Melt Electrowritten PCL Scaffolds Following Melt Processing and Plasma Surface Treatment. Macromolecular Rapid Communications, 2021, 42, e2100433.	3.9	7
5	Contemporary catalyst-free photochemistry in synthetic macromolecular science. Progress in Polymer Science, 2020, 100, 101183.	24.7	30
6	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
7	An in-depth analysis approach enabling precision single chain nanoparticle design. Polymer Chemistry, 2020, 11, 6559-6578.	3.9	19
8	Macromolecular Superstructures: A Future Beyond Single Chain Nanoparticles. Israel Journal of Chemistry, 2020, 60, 86-99.	2.3	55
9	Lichtinduzierte orthogonale Bildung kovalenter Bindungen durch zwei Wellenlängen. Angewandte Chemie, 2019, 131, 7548-7552.	2.0	7
10	Light-Controlled Orthogonal Covalent Bond Formation at Two Different Wavelengths. Angewandte Chemie - International Edition, 2019, 58, 7470-7474.	13.8	28
11	Visible-Light-Induced Passerini Multicomponent Polymerization. Angewandte Chemie, 2019, 131, 5728-5732.	2.0	2
12	Visible-Light-Induced Passerini Multicomponent Polymerization. Angewandte Chemie - International Edition, 2019, 58, 5672-5676.	13.8	43
13	Visible Light Activation of Spin-Silenced Fluorescence. Chemistry - A European Journal, 2018, 24, 12246-12249.	3.3	11
14	Radical-Induced Single-Chain Collapse of Passerini Sequence-Regulated Polymers Assessed by High-Resolution Mass Spectrometry. Macromolecules, 2018, 51, 3967-3974.	4.8	14
15	Polyselenoureas via Multicomponent Polymerizations Using Elemental Selenium as Monomer. ACS Macro Letters, 2018, 7, 898-903.	4.8	22
16	Visible Light [2 + 2] Cycloadditions for Reversible Polymer Ligation. Macromolecules, 2018, 51, 3802-3807.	4.8	84
17	Pyreneacyl sulfides as a visible light-induced versatile ligation platform. Chemical Communications, 2017, 53, 4501-4504.	4.1	29
18	Imaging Single-Chain Nanoparticle Folding via High-Resolution Mass Spectrometry. Journal of the American Chemical Society, 2017, 139, 51-54.	13.7	27

#	ARTICLE	IF	CITATIONS
19	Characterizing single chain nanoparticles (SCNPs): a critical survey. <i>Polymer Chemistry</i> , 2017, 8, 5845-5851.	3.9	45
20	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
21	Porphyrin-Cored Polymer Nanoparticles: Macromolecular Models for Heme Iron Coordination. <i>Inorganic Chemistry</i> , 2016, 55, 9493-9496.	4.0	25
22	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
23	Densely Functionalized Pendant Oligoaniline Bearing Poly(oxanorbornenes): Synthesis and Electronic Properties. <i>Macromolecules</i> , 2015, 48, 5054-5057.	4.8	10
24	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
25	A brief user's guide to single-chain nanoparticles. <i>Polymer Chemistry</i> , 2015, 6, 181-197.	3.9	251
26	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
27	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
28	Single-chain polymer nanoparticles via reversible disulfide bridges. <i>Polymer Chemistry</i> , 2012, 3, 3068.	3.9	150