

Mihaiela C Stuparu

List of Publications by Year in descending order

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47
papers

1,619
citations

304743

22
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302126

39
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49
all docs

49
docs citations

49
times ranked

1843
citing authors

#	ARTICLE	IF	CITATIONS
1	Corannulene: a molecular bowl of carbon with multifaceted properties and diverse applications. <i>Chemical Communications</i> , 2018, 54, 6503-6519.	4.1	142
2	Post-polymerization modification reactions of poly(glycidyl methacrylate)s. <i>RSC Advances</i> , 2017, 7, 55874-55884.	3.6	118
3	Thiol-epoxy click-chemistry: Application in preparation and postpolymerization modification of polymers. <i>Journal of Polymer Science Part A</i> , 2016, 54, 3057-3070.	2.3	112
4	Facile and General Preparation of Multifunctional Main-Chain Cationic Polymers through Application of Robust, Efficient, and Orthogonal Click Chemistries. <i>Journal of the American Chemical Society</i> , 2012, 134, 17291-17297.	13.7	82
5	Homopolymer bifunctionalization through sequential thiol-epoxy and esterification reactions: an optimization, quantification, and structural elucidation study. <i>Polymer Chemistry</i> , 2015, 6, 1393-1404.	3.9	78
6	Dual-Reactive Hyperbranched Polymer Synthesis through Proton Transfer Polymerization of Thiol and Epoxide Groups. <i>Macromolecules</i> , 2014, 47, 5070-5080.	4.8	76
7	Phase separation of supramolecular and dynamic block copolymers. <i>Polymer Chemistry</i> , 2012, 3, 3033.	3.9	73
8	Structural, Optical, and Electrochemical Properties of Three-Dimensional Push-Pull Corannulenes. <i>Journal of Organic Chemistry</i> , 2012, 77, 11014-11026.	3.2	71
9	Synthesis of corannulene-based nanographenes. <i>Communications Chemistry</i> , 2019, 2, .	4.5	70
10	π -Conjugated Discrete Oligomers Containing Planar and Nonplanar Aromatic Motifs. <i>Journal of the American Chemical Society</i> , 2017, 139, 3089-3094.	13.7	63
11	Rationally Designed Polymer Hosts of Fullerene. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7786-7790.	13.8	58
12	Corannulene: A Curved Polyarene Building Block for the Construction of Functional Materials. <i>Accounts of Chemical Research</i> , 2021, 54, 2858-2870.	15.6	58
13	Aza-Michael addition reaction: Post-polymerization modification and preparation of PEI/PEG-based polyester hydrogels from enzymatically synthesized reactive polymers. <i>Journal of Polymer Science Part A</i> , 2015, 53, 745-749.	2.3	53
14	Mechanochemical Synthesis of Corannulene-Based Curved Nanographenes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21620-21626.	13.8	53
15	Amphipathic Homopolymers for siRNA Delivery: Probing Impact of Bifunctional Polymer Composition on Transfection. <i>Biomacromolecules</i> , 2014, 15, 1707-1715.	5.4	45
16	Polymeric Nanomaterials Based on the Buckybowl Motif: Synthesis through Ring-Opening Metathesis Polymerization and Energy Storage Applications. <i>ACS Macro Letters</i> , 2017, 6, 1212-1216.	4.8	32
17	A photochemical approach to aromatic extension of the corannulene nucleus. <i>Chemical Communications</i> , 2016, 52, 9957-9960.	4.1	29
18	Corannulene-carbaldehyde: High-yielding Synthesis by Rieche Formylation and Facile Access to a Variety of Corannulene Derivatives. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 36-40.	2.4	25

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19	Thermoresponsive Corannulene. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 570-576.	2.4	25
20	Synthesis and properties of star polymers with a C_{50} asymmetric bowl-shaped aromatic core. <i>Journal of Polymer Science Part A</i> , 2012, 50, 2641-2649.	2.3	24
21	Amphiphilic Corannulene Derivatives: Synthetic Access and Development of a Structure/Property Relationship in Thermoresponsive Buckybowl Amphiphiles. <i>ACS Omega</i> , 2017, 2, 4964-4971.	3.5	24
22	Aggregation-free and high stability core-shell polymer nanoparticles with high fullerene loading capacity, variable fullerene type, and compatibility towards biological conditions. <i>Chemical Science</i> , 2021, 12, 4949-4957.	7.4	24
23	A general approach to non-fullerene electron acceptors based on the corannulene motif. <i>Chemical Communications</i> , 2019, 55, 3113-3116.	4.1	23
24	Towards Molecular Ribbons of Corannulene. <i>Chemistry - A European Journal</i> , 2013, 19, 13199-13206.	3.3	20
25	Photochemical Synthesis and Electronic Properties of Extended Corannulenes with Variable Fluorination Pattern. <i>Journal of Organic Chemistry</i> , 2018, 83, 3529-3536.	3.2	20
26	Self-assembly of an interacting binary blend of diblock copolymers in thin films: a potential route to porous materials with reactive nanochannel chemistry. <i>Soft Matter</i> , 2014, 10, 5755.	2.7	19
27	Synthesis and Properties of Large Polycyclic Aromatic Hydrocarbons with Planar and Non-Planar Structural Motifs. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 6010-6014.	2.4	15
28	All-organic luminescent nanodots from corannulene and cyclodextrin nano-assembly: continuous-flow synthesis, non-linear optical properties, and bio-imaging applications. <i>Materials Chemistry Frontiers</i> , 2017, 1, 831-837.	5.9	15
29	Novel amphiphilic corannulene additive for moisture-resistant perovskite solar cells. <i>Chemical Communications</i> , 2020, 56, 11997-12000.	4.1	15
30	Corannulene Chalcogenides. <i>Chemistry - an Asian Journal</i> , 2021, 16, 20-29.	3.3	14
31	Synthesis of azahelicenes through Mallory reaction of imine precursors: corannulene substrates provide an exception to the rule in oxidative photocyclizations of diarylethenes. <i>Chemical Science</i> , 2021, 12, 3977-3983.	7.4	14
32	Supramolecular star polymers with compositional heterogeneity. <i>Journal of Polymer Science Part A</i> , 2012, 50, 1844-1850.	2.3	13
33	Host-guest interaction between corannulene and β -cyclodextrin: mass spectrometric evidence of a 1:1 inclusion complex formation. <i>RSC Advances</i> , 2016, 6, 110001-110003.	3.6	13
34	Efficient preparation and properties of triazole-linked corannulene derivatives. <i>Tetrahedron</i> , 2012, 68, 3527-3531.	1.9	12
35	Effect of precursor chemical composition on the formation and stability of G-quadruplex core supramolecular star polymers. <i>Polymer Chemistry</i> , 2012, 3, 2615.	3.9	10
36	Towards Macromolecular Architectures of Corannulene. <i>Chimia</i> , 2011, 65, 799-801.	0.6	9

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37	Corannulene-Based Electron Acceptors: Combining Modular and Practical Synthesis with Electron Affinity and Solubility. <i>Chemistry - A European Journal</i> , 2020, 26, 3231-3235.	3.3	9
38	Synthesis and Properties of Bis-corannulenes. <i>Organic Letters</i> , 2021, 23, 1468-1472.	4.6	9
39	Synthesis and characterization of corannulene-metal-organic framework support material for palladium catalyst: An excellent anode material for accelerated methanol oxidation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 615, 126237.	4.7	8
40	Poly($\ddot{\text{Y}}$ -hydroxy thioether)s: synthesis through thiol-epoxy "click"™ reaction and post-polymerization modification to main-chain polysulfonium salts. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2022, 59, 2-10.	2.2	8
41	Effect of precursor chain length on the formation and stability of poly(ethylene glycol)-based supramolecular star polymers. <i>Journal of Polymer Science Part A</i> , 2012, 50, 2415-2420.	2.3	7
42	Synthesis and Properties of a Buckybowl/Buckyball Dyad. <i>Synlett</i> , 2016, 27, 2101-2104.	1.8	7
43	Selenium and Tellurium Derivatives of Corannulene: Serendipitous Discovery of a One-Dimensional Stereoregular Coordination Polymer Crystal Based on Te Backbone and Side-Chain Aromatic Array. <i>Chemistry - A European Journal</i> , 2020, 26, 15135-15139.	3.3	7
44	Buckybowl polymers: synthesis of corannulene-containing polymers through post-polymerization modification strategy. <i>Polymer Chemistry</i> , 2021, 12, 5209-5216.	3.9	5
45	Sequential Thiol-Epoxy and Esterification Reactions: A Facile Route to Bifunctional Homopolymer Sequences. <i>Advances in Polymer Science</i> , 2014, , 87-103.	0.8	3
46	Synthesis and characterization of palladium nanoparticles-corannulene nanocomposite: An anode electrocatalyst for direct oxidation of methanol in alkaline medium. <i>Journal of Electroanalytical Chemistry</i> , 2021, 900, 115654.	3.8	1
47	Bilateral Aromatic Extension of Corannulene Nucleus. <i>European Journal of Organic Chemistry</i> , 2022, ,	2.4	1