

Nezha Badi

List of Publications by Year in descending order

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37
papers

2,282
citations

304368

22
h-index

301761

39
g-index

41
all docs

41
docs citations

41
times ranked

2510
citing authors

#	ARTICLE	IF	CITATIONS
1	Sequence control in polymer synthesis. <i>Chemical Society Reviews</i> , 2009, 38, 3383.	18.7	456
2	Single-chain technology using discrete synthetic macromolecules. <i>Nature Chemistry</i> , 2011, 3, 917-924.	6.6	348
3	Liquid-Phase Synthesis of Block Copolymers Containing Sequence-Ordered Segments. <i>Journal of the American Chemical Society</i> , 2009, 131, 9195-9197.	6.6	169
4	Non-linear PEG-based thermoresponsive polymer systems. <i>Progress in Polymer Science</i> , 2017, 66, 54-79.	11.8	129
5	Thiol-ene chemistry for polymer coatings and surface modification – building in sustainability and performance. <i>Materials Horizons</i> , 2017, 4, 1041-1053.	6.4	111
6	PEG-based thermogels: Applicability in physiological media. <i>Journal of Controlled Release</i> , 2009, 140, 224-229.	4.8	97
7	Thermogelation of PEG-Based Macromolecules of Controlled Architecture. <i>Macromolecules</i> , 2009, 42, 33-36.	2.2	90
8	Applications of Discrete Synthetic Macromolecules in Life and Materials Science: Recent and Future Trends. <i>Advanced Science</i> , 2021, 8, 2004038.	5.6	76
9	Smart bioactive surfaces. <i>Soft Matter</i> , 2010, 6, 705-713.	1.2	72
10	Synthesis of Single-Chain Sugar Arrays. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2335-2339.	7.2	66
11	Microstructure Control: An Underestimated Parameter in Recent Polymer Design. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 135-142.	1.1	58
12	Well-defined synthetic polymers with a protein-like gelation behavior in water. <i>Chemical Communications</i> , 2010, 46, 4517.	2.2	47
13	From Sequence-Defined Macromolecules to Macromolecular Pin Codes. <i>Advanced Science</i> , 2020, 7, 1903698.	5.6	47
14	“Inverse”-synthesis of polymer bioconjugates using soluble supports. <i>Chemical Communications</i> , 2012, 48, 3887.	2.2	36
15	Precision PEGylated Polymers Obtained by Sequence-Controlled Copolymerization and Postpolymerization Modification. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9231-9235.	7.2	36
16	Stereocontrolled, multi-functional sequence-defined oligomers through automated synthesis. <i>Polymer Chemistry</i> , 2020, 11, 4271-4280.	1.9	32
17	Synthesis of Half-Channels by the Anionic Polymerization of Ethylene Oxide Initiated by Modified Cyclodextrin. <i>Advanced Materials</i> , 2009, 21, 4054-4057.	11.1	31
18	Automated Synthesis Protocol of Sequence-Defined Oligo-Urethane-Amides Using Thiolactone Chemistry. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1800685.	2.0	28

#	ARTICLE	IF	CITATIONS
19	Smart Polymer Surfaces: Concepts and Applications in Biosciences. <i>Advances in Polymer Science</i> , 2010, , 1-33.	0.4	27
20	Double-Modified Glycopolymers from Thiolactones to Modulate Lectin Selectivity and Affinity. <i>ACS Macro Letters</i> , 2018, 7, 1498-1502.	2.3	27
21	Design of Thermoresponsive Materials by ATRP of Oligo(ethylene glycol)-based (Macro)monomers. <i>ACS Symposium Series</i> , 2009, , 189-202.	0.5	26
22	Sequence-Encoded Macromolecules with Increased Data Storage Capacity through a Thiol-Epoxy Reaction. <i>ACS Macro Letters</i> , 2021, 10, 616-622.	2.3	25
23	Anionic ring-opening polymerization of ethylene oxide in DMF with cyclodextrin derivatives as new initiators. <i>Carbohydrate Polymers</i> , 2013, 94, 323-331.	5.1	24
24	β -Cyclodextrins modified by alkyl and poly(ethylene oxide) chains: A novel class of mass transfer additives for aqueous organometallic catalysis. <i>Journal of Molecular Catalysis A</i> , 2010, 318, 8-14.	4.8	23
25	Tribological and mechanical investigation of acrylic-based nanocomposite coatings reinforced with PMMA-grafted-MWCNT. <i>Materials Chemistry and Physics</i> , 2016, 175, 206-214.	2.0	22
26	Synthesis of per-2,3-di-O-heptyl- β and β -cyclodextrins: a new kind of amphiphilic molecules bearing hydrophobic parts. <i>Tetrahedron Letters</i> , 2006, 47, 8925-8927.	0.7	21
27	Precisely Alternating Functionalized Polyampholytes Prepared in a Single Pot from Sustainable Thiolactone Building Blocks. <i>ACS Macro Letters</i> , 2017, 6, 277-280.	2.3	20
28	Synthesis of Well-Defined Polystyrene Rink Amide Soluble Supports and Their Use in Peptide Synthesis. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 1984-1990.	1.1	18
29	Multifunctional Dendrimer Formation Using Thiolactone Chemistry. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1600575.	1.1	15
30	Structurally diverse polymers from norbornene and thiolactone containing building blocks. <i>European Polymer Journal</i> , 2018, 98, 246-253.	2.6	15
31	Preparation of poly(ethylene imine) derivatives with precisely controlled molecular weight. <i>European Polymer Journal</i> , 2016, 84, 338-344.	2.6	13
32	Cationic polymerization of dienes VIII: Is the elimination of cross-linking by a bulky electron donor a general behavior in the presence of aluminium trichloride?. <i>European Polymer Journal</i> , 2009, 45, 837-845.	2.6	12
33	Biomimetic artificial ion channels based on beta-cyclodextrin. <i>Chemical Communications</i> , 2013, 49, 11647.	2.2	12
34	Sequence-Defined Mikto-Arm Star-Shaped Macromolecules. <i>Journal of the American Chemical Society</i> , 2022, 144, 7236-7244.	6.6	12
35	Per-O-(3-hydroxy)propyl- β -cyclodextrin: a cyclodextrin derivative bearing only primary hydroxyl groups. <i>Carbohydrate Research</i> , 2007, 342, 1989-1991.	1.1	9
36	Sequence-defined oligoampholytes using hydrolytically stable vinyl sulfonamides: design and UCST behaviour. <i>Polymer Chemistry</i> , 2021, 12, 4193-4204.	1.9	8

#	ARTICLE	IF	CITATIONS
37	Study of the Interactions of Organic Sulfides with Active Species in the Cationic Polymerization of 1,3-Pentadiene. Polymer Bulletin, 2004, 51, 343-349.	1.7	4