

Nethmi De Alwis Watuthanthrige

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

287
citations

933447

10
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

281
citing authors

#	ARTICLE	IF	CITATIONS
1	A general model for the ideal chain length distributions of polymers made with reversible deactivation. <i>Polymer Chemistry</i> , 2022, 13, 898-913.	3.9	6
2	Tuning Dual-Dynamic Network Materials through Polymer Architectural Features. <i>ACS Applied Polymer Materials</i> , 2022, 4, 1475-1486.	4.4	17
3	Interpenetrated triple network polymers: synergies of three different dynamic bonds. <i>Polymer Chemistry</i> , 2022, 13, 3705-3712.	3.9	5
4	Designing Dynamic Materials from Dynamic Bonds to Macromolecular Architecture. <i>Trends in Chemistry</i> , 2021, 3, 231-247.	8.5	36
5	Simple polymerization through oxygen at reduced volumes using oil and water. <i>Journal of Polymer Science</i> , 2021, 59, 2530.	3.8	10
6	Effect of structural transitions of n-hexadecane in nanoscale confinement on atomic friction. <i>Carbon</i> , 2021, 183, 428-437.	10.3	4
7	Tuning the molecular weight distributions of vinylketone-based polymers using RAFT photopolymerization and UV photodegradation. <i>Polymer Chemistry</i> , 2021, 12, 6761-6770.	3.9	11
8	Substituent effects in iniferter photopolymerization: can bond homolysis be enhanced by electronics?. <i>Polymer Chemistry</i> , 2020, 11, 6129-6133.	3.9	12
9	Wavelength-Controlled Synthesis and Degradation of Thermoplastic Elastomers Based on Intrinsically Photoresponsive Phenyl Vinyl Ketone. <i>Macromolecules</i> , 2020, 53, 5199-5207.	4.8	18
10	Accelerating dynamic exchange and self-healing using mechanical forces in crosslinked polymers. <i>Materials Horizons</i> , 2020, 7, 1581-1587.	12.2	32
11	Controlling polymer architecture to design dynamic network materials with multiple dynamic linkers. <i>Molecular Systems Design and Engineering</i> , 2020, 5, 1267-1276.	3.4	8
12	In situ Chemiluminescence-Driven Reversible Addition-Fragmentation Chain-Transfer Photopolymerization. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11826-11829.	13.8	18
13	Intrinsic and Catalyzed Photochemistry of Phenylvinylketone for Wavelength-Sensitive Controlled Polymerization. <i>ChemPhotoChem</i> , 2019, 3, 1171-1179.	3.0	19
14	How Do Reaction and Reactor Conditions Affect Photoinduced Electron/Energy Transfer Reversible Addition-Fragmentation Transfer Polymerization?. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 4203-4213.	3.7	52
15	Photolabile protecting groups: a strategy for making primary amine polymers by RAFT. <i>Polymer Chemistry</i> , 2018, 9, 1557-1561.	3.9	15
16	Complementary Dynamic Chemistries for Multifunctional Polymeric Materials. <i>Advanced Functional Materials</i> , 0, , 2108431.	14.9	24