Nethmi De Alwis Watuthanthrige

List of Publications by Year
in descending order

16	287	933447 10	996975 15
papers	citations	h-index	g-index

16	16	16	281
all docs	docs citations	times ranked	citing authors

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