

Amal Narayanan

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Cooperative Multivalent Weak and Strong Interfacial Interactions Enhance the Adhesion of Mussel-Inspired Adhesives. <i>Macromolecules</i> , 2021, 54, 5417-5428.	4.8	12
2	Light-Activated Adhesion and Debonding of Underwater Pressure-Sensitive Adhesives. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 29048-29057.	8.0	16
3	Design principles for creating synthetic underwater adhesives. <i>Chemical Society Reviews</i> , 2021, 50, 13321-13345.	38.1	57
4	Introduction of Hydrogen Bonds Improves the Shape Fidelity of Viscoelastic 3D Printed Scaffolds While Maintaining Their Low-Temperature Printability. <i>Macromolecules</i> , 2020, 53, 3690-3699.	4.8	21
5	Lower Critical Solution Temperature-Driven Self-Coacervation of Nonionic Polyester Underwater Adhesives. <i>ACS Nano</i> , 2020, 14, 8359-8367.	14.6	70
6	Advances in Photoreactive Tissue Adhesives Derived from Natural Polymers. <i>ChemEngineering</i> , 2020, 4, 32.	2.4	13
7	Viscosity Attunes the Adhesion of Bioinspired Low Modulus Polyester Adhesive Sealants to Wet Tissues. <i>Biomacromolecules</i> , 2019, 20, 2577-2586.	5.4	35
8	Modulating the crystallinity, mechanical properties, and degradability of poly(μ -caprolactone) derived polyesters by statistical and alternating copolymerization. <i>Polymer Chemistry</i> , 2019, 10, 2579-2588.	3.9	15
9	Role of pendant side-chain length in determining polymer 3D printability. <i>Polymer Chemistry</i> , 2019, 10, 5543-5554.	3.9	12
10	Opposing Effects of Side-Chain Flexibility and Hydrogen Bonding on the Thermal, Mechanical, and Rheological Properties of Supramolecularly Cross-Linked Polyesters. <i>Macromolecules</i> , 2018, 51, 9294-9305.	4.8	29
11	Direct Observation of the Interplay of Catechol Binding and Polymer Hydrophobicity in a Mussel-Inspired Elastomeric Adhesive. <i>ACS Central Science</i> , 2018, 4, 1420-1429.	11.3	69
12	Mussel-Inspired Polyesters with Aliphatic Pendant Groups Demonstrate the Importance of Hydrophobicity in Underwater Adhesion. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700506.	3.7	68
13	Exploring amino acid- ϵ -tethered polymethacrylates as CO ₂ -sensitive macromolecules: A concealed property. <i>Journal of Polymer Science Part A</i> , 2016, 54, 2794-2803.	2.3	9
14	Polymerization-induced self-assembly driving chiral nanostructured materials. <i>Polymer Chemistry</i> , 2015, 6, 6152-6162.	3.9	53
15	Exploring the post-polymerization modification of side-chain amino acid containing polymers via Michael addition reactions. <i>Reactive and Functional Polymers</i> , 2015, 91-92, 35-42.	4.1	18
16	Visualizing Phase Transition Behavior of Dilute Stimuli Responsive Polymer Solutions via Mueller Matrix Polarimetry. <i>Analytical Chemistry</i> , 2015, 87, 9120-9125.	6.5	8
17	Specific Counterion Repercussions on the Thermal, pH-Response, and Electrochemical Properties of Side-Chain Leucine Based Chiral Polyelectrolytes. <i>Langmuir</i> , 2014, 30, 13430-13437.	3.5	11