

Bioinspired Underwater Adhesives by Using the Supran

Advanced Materials

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Dynamic Interfacial Adhesion through Cucurbit[<i>n</i>]uril Molecular Recognition. <i>Angewandte Chemie</i> , 2018, 130, 8992-8996.	2.0	35
2	Dynamic Interfacial Adhesion through Cucurbit[<i>n</i>]uril Molecular Recognition. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8854-8858.	13.8	83
3	Self-assembled adhesive biomaterials formed by a genetically designed fusion protein. <i>Chemical Communications</i> , 2018, 54, 12642-12645.	4.1	17
4	Bioinspired reversible hydrogel adhesives for wet and underwater surfaces. <i>Journal of Materials Chemistry B</i> , 2018, 6, 8064-8070.	5.8	81
5	Mussel-Inspired Tissue-Adhesive Hydrogel Based on the Polydopamine- α -Chondroitin Sulfate Complex for Growth-Factor-Free Cartilage Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 28015-28026.	8.0	227
6	Exploring a naturally tailored small molecule for stretchable, self-healing, and adhesive supramolecular polymers. <i>Science Advances</i> , 2018, 4, eaat8192.	10.3	422
7	Exploiting CH/ π interactions in robust supramolecular adhesives. <i>Polymer Chemistry</i> , 2018, 9, 4303-4308.	3.9	1
8	Functional Polymeric Materials Inspired by Geckos, Mussels, and Spider Silk. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800051.	2.2	5
9	Reversible Supramolecular Assembly of Velvet Worm Adhesive Fibers via Electrostatic Interactions of Charged Phosphoproteins. <i>Biomacromolecules</i> , 2018, 19, 4034-4043.	5.4	22
10	Enhanced Adhesion and Cohesion of Bioinspired Dry/Wet Pressure-Sensitive Adhesives. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 28296-28306.	8.0	92
11	Design of Nanocomposite Injectable Hydrogels for Minimally Invasive Surgery. <i>Accounts of Chemical Research</i> , 2019, 52, 2101-2112.	15.6	149
12	Decoupling the roles of the catechol content from those of glass transition temperature and dynamic mechanical modulus in determining self-healing and anti-corrosion of mussel-inspired polymers. <i>Polymer</i> , 2019, 185, 121928.	3.8	8
13	Supramolecular silicone coating capable of strong substrate bonding, readily damage healing, and easy oil sliding. <i>Science Advances</i> , 2019, 5, eaaw5643.	10.3	132
14	Hierarchical Cross-Linked Poly(caprolactone- <i>co</i> -urethane) toward Connective Tissue-like Properties and Multifunctional Integration. <i>Chemistry of Materials</i> , 2019, 31, 9295-9306.	6.7	10
15	Injectable Adhesive Hydrogel through a Microcapsule Cross-Link for Periodontitis Treatment. <i>ACS Applied Bio Materials</i> , 2019, 2, 5985-5994.	4.6	27
16	Adjacent cationic- π -aromatic sequences yield strong electrostatic adhesion of hydrogels in seawater. <i>Nature Communications</i> , 2019, 10, 5127.	12.8	202
17	Strong Adhesives from Corn Protein and Tannic Acid. <i>Advanced Sustainable Systems</i> , 2019, 3, 1900077.	5.3	22
18	Toughening of Glassy Supramolecular Polymer Networks. <i>ACS Macro Letters</i> , 2019, 8, 1484-1490.	4.8	25

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19	Instant, Tough, Noncovalent Adhesion. ACS Applied Materials & Interfaces, 2019, 11, 40749-40757.	8.0	60
20	DNA-Inspired Adhesive Hydrogels Based on the Biodegradable Polyphosphoesters Tackified by a Nucleobase. Biomacromolecules, 2019, 20, 3672-3683.	5.4	27
21	Identifying adhesive components in a model tunicate. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20190197.	4.0	27
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23	Constructing High Performance Hydrogels with Strong Underwater Adhesion through a "Mussel Feet-Rock"-Inspired Strategy. ACS Applied Polymer Materials, 2019, 1, 2883-2889.	4.4	26
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31	Mussel-Inspired catechol-based chemistry for direct construction of superhydrophilic and waterproof coatings on intrinsic hydrophobic surfaces. Journal of Applied Polymer Science, 2019, 136, 48013.	2.6	16
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35	Bioinspired self-assembled films of carboxymethyl cellulose-dopamine/montmorillonite. Journal of Materials Chemistry A, 2019, 7, 14033-14041.	10.3	54
36	(De)bonding on Demand with Optically Switchable Adhesives. Advanced Optical Materials, 2019, 7, 1900230.	7.3	82

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37	Boron nitride nanosheet embedded bio-inspired wet adhesives with switchable adhesion and oxidation resistance. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12266-12275.	10.3	32
38	Self-assembly of oppositely charged polyelectrolyte block copolymers containing short thermoresponsive blocks. <i>Polymer Chemistry</i> , 2019, 10, 3127-3134.	3.9	19
39	Thermoresponsive Complex Coacervate-Based Underwater Adhesive. <i>Advanced Materials</i> , 2019, 31, e1808179.	21.0	137
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42	Strong, tough, and repeatable adhesion of an alternating peptide comprising phenyl glycine as a repeating unit. <i>Journal of Materials Chemistry B</i> , 2019, 7, 2766-2770.	5.8	7
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44	Bioinspired Binders Actively Controlling Ion Migration and Accommodating Volume Change in High Sulfur Loading Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1902938.	19.5	70
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46	Phenolische Bausteine für die Assemblierung von Funktionsmaterialien. <i>Angewandte Chemie</i> , 2019, 131, 1920-1945.	2.0	34
47	Reversible Underwater Dry Adhesion of a Shape Memory Polymer. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801542.	3.7	34
48	Hydrogel Adhesion: A Supramolecular Synergy of Chemistry, Topology, and Mechanics. <i>Advanced Functional Materials</i> , 2020, 30, 1901693.	14.9	507
49	A reversible underwater glue based on photo- and thermo-responsive dynamic covalent bonds. <i>Materials Horizons</i> , 2020, 7, 282-288.	12.2	113
50	Bioinspired Multiscale Wet Adhesive Surfaces: Structures and Controlled Adhesion. <i>Advanced Functional Materials</i> , 2020, 30, 1905287.	14.9	137
51	Tough polyacrylamide-tannic acid-kaolin adhesive hydrogels for quick hemostatic application. <i>Materials Science and Engineering C</i> , 2020, 109, 110649.	7.3	75
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54	Recent progress in synthesis and application of mussel-inspired adhesives. <i>Nanoscale</i> , 2020, 12, 1307-1324.	5.6	230

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56	Fabrication of strong hydrogen-bonding induced coacervate adhesive hydrogels with antibacterial and hemostatic activities. <i>Biomaterials Science</i> , 2020, 8, 1455-1463.	5.4	71
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64	Hydrogel-Tissue Adhesion Using Blood Coagulation Induced by Silica Nanoparticle Coatings. <i>ACS Applied Bio Materials</i> , 2020, 3, 8808-8819.	4.6	10
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71	Boc-Protection on L-DOPA: an Easy Way to Promote Underwater Adhesion. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 7144-7150.	2.4	7
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74	Recent Progress of Highly Adhesive Hydrogels as Wound Dressings. Biomacromolecules, 2020, 21, 3966-3983.	5.4	127
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88	Cooperativity of Catechols and Amines in High-Performance Dry/Wet Adhesives. Angewandte Chemie - International Edition, 2020, 59, 16616-16624.	13.8	76
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120	Mussel foot protein inspired tough tissue-selective underwater adhesive hydrogel. Materials Horizons, 2021, 8, 997-1007.	12.2	124
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142	Genetically Engineered Polypeptide Adhesive Coacervates for Surgical Applications. <i>Angewandte Chemie</i> , 2021, 133, 23880-23887.	2.0	8
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146	Genetically Engineered Polypeptide Adhesive Coacervates for Surgical Applications. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23687-23694.	13.8	78
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