

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.	1.6	35
2	Dynamic Interfacial Adhesion through Cucurbit[<i>n</i>]uril Molecular Recognition. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8854-8858.	7.2	83
3	Self-assembled adhesive biomaterials formed by a genetically designed fusion protein. <i>Chemical Communications</i> , 2018, 54, 12642-12645.	2.2	17
4	Bioinspired reversible hydrogel adhesives for wet and underwater surfaces. <i>Journal of Materials Chemistry B</i> , 2018, 6, 8064-8070.	2.9	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.	4.0	227
6	Exploring a naturally tailored small molecule for stretchable, self-healing, and adhesive supramolecular polymers. <i>Science Advances</i> , 2018, 4, eaat8192.	4.7	422
7	Exploiting CH/ π interactions in robust supramolecular adhesives. <i>Polymer Chemistry</i> , 2018, 9, 4303-4308.	1.9	1
8	Functional Polymeric Materials Inspired by Geckos, Mussels, and Spider Silk. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800051.	1.1	5
9	Reversible Supramolecular Assembly of Velvet Worm Adhesive Fibers via Electrostatic Interactions of Charged Phosphoproteins. <i>Biomacromolecules</i> , 2018, 19, 4034-4043.	2.6	22
10	Enhanced Adhesion and Cohesion of Bioinspired Dry/Wet Pressure-Sensitive Adhesives. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 28296-28306.	4.0	92
11	Design of Nanocomposite Injectable Hydrogels for Minimally Invasive Surgery. <i>Accounts of Chemical Research</i> , 2019, 52, 2101-2112.	7.6	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.	1.8	8
13	Supramolecular silicone coating capable of strong substrate bonding, readily damage healing, and easy oil sliding. <i>Science Advances</i> , 2019, 5, eaaw5643.	4.7	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.	3.2	10
15	Injectable Adhesive Hydrogel through a Microcapsule Cross-Link for Periodontitis Treatment. <i>ACS Applied Bio Materials</i> , 2019, 2, 5985-5994.	2.3	27
16	Adjacent cationic- π aromatic sequences yield strong electrostatic adhesion of hydrogels in seawater. <i>Nature Communications</i> , 2019, 10, 5127.	5.8	202
17	Strong Adhesives from Corn Protein and Tannic Acid. <i>Advanced Sustainable Systems</i> , 2019, 3, 1900077.	2.7	22
18	Toughening of Glassy Supramolecular Polymer Networks. <i>ACS Macro Letters</i> , 2019, 8, 1484-1490.	2.3	25

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20	DNA-Inspired Adhesive Hydrogels Based on the Biodegradable Polyphosphoesters Tackified by a Nucleobase. <i>Biomacromolecules</i> , 2019, 20, 3672-3683.	2.6	27
21	Identifying adhesive components in a model tunicate. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20190197.	1.8	27
22	Composite polyurethane adhesives that debond-on-demand by hysteresis heating in an oscillating magnetic field. <i>European Polymer Journal</i> , 2019, 121, 109264.	2.6	39
23	Constructing High Performance Hydrogels with Strong Underwater Adhesion through a "Mussel Feet-Rock" Inspired Strategy. <i>ACS Applied Polymer Materials</i> , 2019, 1, 2883-2889.	2.0	26
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25	Poly(N-isopropylacrylamide)/polydopamine/clay nanocomposite hydrogels with stretchability, conductivity, and dual light- and thermo- responsive bending and adhesive properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 177, 149-159.	2.5	45
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27	Engineered <i>Bacillus subtilis</i> biofilms as living glues. <i>Materials Today</i> , 2019, 28, 40-48.	8.3	72
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29	Fibers on the Fly: Multiscale Mechanisms of Fiber Formation in the Capture Slime of Velvet Worms. <i>Integrative and Comparative Biology</i> , 2019, 59, 1690-1699.	0.9	12
30	Chirally Twisted Ultrathin Polydopamine Nanoribbons: Synthesis and Spontaneous Assembly of Silver Nanoparticles on Them. <i>Chemistry - A European Journal</i> , 2019, 25, 12905-12910.	1.7	21
31	Mussel-inspired catechol-based chemistry for direct construction of superhydrophilic and waterproof coatings on intrinsic hydrophobic surfaces. <i>Journal of Applied Polymer Science</i> , 2019, 136, 48013.	1.3	16
32	Skin-Inspired Antibacterial Conductive Hydrogels for Epidermal Sensors and Diabetic Foot Wound Dressings. <i>Advanced Functional Materials</i> , 2019, 29, 1901474.	7.8	371
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34	From Molecular Electrostatic Interactions and Hydrogel Architecture to Macroscopic Underwater Adherence. <i>Macromolecules</i> , 2019, 52, 3852-3862.	2.2	13
35	Bioinspired self-assembled films of carboxymethyl cellulose-dopamine/montmorillonite. <i>Journal of Materials Chemistry A</i> , 2019, 7, 14033-14041.	5.2	54
36	(De)bonding on Demand with Optically Switchable Adhesives. <i>Advanced Optical Materials</i> , 2019, 7, 1900230.	3.6	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.	5.2	32
38	Self-assembly of oppositely charged polyelectrolyte block copolymers containing short thermoresponsive blocks. <i>Polymer Chemistry</i> , 2019, 10, 3127-3134.	1.9	19
39	Thermoresponsive Complex Coacervate-Based Underwater Adhesive. <i>Advanced Materials</i> , 2019, 31, e1808179.	11.1	137
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47	Reversible Underwater Dry Adhesion of a Shape Memory Polymer. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801542.	1.9	34
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49	A reversible underwater glue based on photo- and thermo-responsive dynamic covalent bonds. <i>Materials Horizons</i> , 2020, 7, 282-288.	6.4	113
50	Bioinspired Multiscale Wet Adhesive Surfaces: Structures and Controlled Adhesion. <i>Advanced Functional Materials</i> , 2020, 30, 1905287.	7.8	137
51	Tough polyacrylamide-tannic acid-kaolin adhesive hydrogels for quick hemostatic application. <i>Materials Science and Engineering C</i> , 2020, 109, 110649.	3.8	75
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59	Temperature-responsive polyelectrolyte complexes for bio-inspired underwater adhesives. <i>European Polymer Journal</i> , 2020, 141, 110034.	2.6	15
60	Crystallizable Supramolecular Polymers: Binding Motif and Processing Matter. <i>Macromolecules</i> , 2020, 53, 9086-9096.	2.2	8
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63	Supramolecular adhesive materials from small-molecule self-assembly. <i>SmartMat</i> , 2020, 1, e1012.	6.4	79
64	Hydrogel-Tissue Adhesion Using Blood Coagulation Induced by Silica Nanoparticle Coatings. <i>ACS Applied Bio Materials</i> , 2020, 3, 8808-8819.	2.3	10
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74	Recent Progress of Highly Adhesive Hydrogels as Wound Dressings. <i>Biomacromolecules</i> , 2020, 21, 3966-3983.	2.6	127
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82	Water-Resistant Zein-Based Adhesives. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 7668-7679.	3.2	39
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94	Cooperativity of Catechols and Amines in High-Performance Dry/Wet Adhesives. <i>Angewandte Chemie</i> , 2020, 132, 16759-16767.	1.6	25
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143	An Artificial Phase-Transitional Underwater Bioglue with Robust and Switchable Adhesion Performance. <i>Angewandte Chemie</i> , 2021, 133, 12189-12196.	1.6	14
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146	Genetically Engineered Polypeptide Adhesive Coacervates for Surgical Applications. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23687-23694.	7.2	78
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