Ying Yang

List of Publications by Year
in descending order

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16 papers	2,455 citations	687363 13 h-index	888059 17 g-index
17 all docs	17 docs citations	17 times ranked	3309 citing authors

#	Article	IF	Citations
1	Quantitative predictions of maximum strain storage in shape memory polymers (SMP). Polymer, 2020, 186, 122006.	3.8	9
2	Mechanistic Insights on Spontaneous Moisture-Driven Healing of Urea-Based Polyurethanes. ACS Applied Materials & Interfaces, 2019, 11, 46176-46182.	8.0	18
3	Key-and-lock commodity self-healing copolymers. Science, 2018, 362, 220-225.	12.6	251
4	Leaf-Inspired Self-Healing Polymers. CheM, 2018, 4, 1928-1936.	11.7	111
5	Selfâ€Healing of Polymers via Supramolecular Chemistry. Advanced Materials Interfaces, 2018, 5, 1800384.	3.7	132
6	Stimuliâ€Responsive Polymeric Nanoparticles. Macromolecular Rapid Communications, 2017, 38, 1700030.	3.9	79
7	Quantitative Predictions of Shapeâ€Memory Effects in Polymers. Advanced Materials, 2017, 29, 1603334.	21.0	65
8	Self-healing of glucose-modified polyurethane networks facilitated by damage-induced primary amines. Polymer Chemistry, 2017, 8, 303-309.	3.9	28
9	Towards scalable fabrication of ultrasmooth and porous thin carbon films. Carbon, 2016, 96, 184-195.	10.3	10
10	Chemical and physical aspects of self-healing materials. Progress in Polymer Science, 2015, 49-50, 34-59.	24.7	375
11	Selfâ€Repairable Polyurethane Networks by Atmospheric Carbon Dioxide and Water. Angewandte Chemie - International Edition, 2014, 53, 12142-12147.	13.8	73
12	UV-induced self-repairing polydimethylsiloxaneâ€“polyurethane (PDMSâ€“PUR) and polyethylene glycolâ€“polyurethane (PEGâ€“PUR) Cu-catalyzed networks. Journal of Materials Chemistry A, 2014, 2, 15527.	10.3	67
13	Self-healing polymeric materials. Chemical Society Reviews, 2013, 42, 7446.	38.1	1,152
14	Thermodynamics of Self-Healing in Polymeric Materials. RSC Polymer Chemistry Series, 2013, , 126-148.	0.2	9
15	Genipin-crosslinked hydrophobical chitosan microspheres and their interactions with bovine serum albumin. Carbohydrate Polymers, 2011, 83, 2016-2021.	10.2	31
16	Surface imprinted macroporous film for high performance protein recognition in combination with quartz crystal microbalance. Sensors and Actuators B: Chemical, 2011, 153, 96-102.	7.8	35