

Ying Yang

List of Publications by Year in descending order

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Version: 2024-02-01

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