

Seppe Terryn

List of Publications by Year in descending order

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763
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-healing soft pneumatic robots. Science Robotics, 2017, 2, .	17.6	359
2	A review on self-healing polymers for soft robotics. Materials Today, 2021, 47, 187-205.	14.2	150
3	Processing of Self-Healing Polymers for Soft Robotics. Advanced Materials, 2022, 34, e2104798.	21.0	80
4	Additive Manufacturing for Self-Healing Soft Robots. Soft Robotics, 2020, 7, 711-723.	8.0	54
5	A Pneumatic Artificial Muscle Manufactured Out of Self-Healing Polymers That Can Repair Macroscopic Damages. IEEE Robotics and Automation Letters, 2018, 3, 16-21.	5.1	39
6	Development of a self-healing soft pneumatic actuator: a first concept. Bioinspiration and Biomimetics, 2015, 10, 046007.	2.9	38
7	Self-Healing and High Interfacial Strength in Multi-Material Soft Pneumatic Robots via Reversible Diels-Alder Bonds. Actuators, 2020, 9, 34.	2.3	35
8	Room Temperature Self-Healing in Soft Pneumatic Robotics: Autonomous Self-Healing in a Diels-Alder Polymer Network. IEEE Robotics and Automation Magazine, 2020, 27, 44-55.	2.0	32
9	Toward Self-Healing Actuators: A Preliminary Concept. IEEE Transactions on Robotics, 2016, 32, 736-743.	10.3	24
10	Structure-Property Relationships of Self-Healing Polymer Networks Based on Reversible Diels-Alder Chemistry. Macromolecules, 2022, 55, 5497-5513.	4.8	19
11	A Multi-Material Self-Healing Soft Gripper. , 2019, , .		17
12	The Influence of the Furan and Maleimide Stoichiometry on the Thermoreversible Diels-Alder Network Polymerization. Polymers, 2021, 13, 2522.	4.5	16
13	A Healable Resistive Heater as a Stimuli-Providing System in Self-Healing Soft Robots. IEEE Robotics and Automation Letters, 2022, 7, 4574-4581.	5.1	11
14	Self-healing sensorized soft robots. , 2022, 1, 100003.		11
15	Investigation of self-healing compliant actuators for robotics. , 2015, , .		9
16	FEA-Based Inverse Kinematic Control: Hyperelastic Material Characterization of Self-Healing Soft Robots. IEEE Robotics and Automation Magazine, 2022, 29, 78-88.	2.0	9
17	Quasi-Static FEA Model for a Multi-Material Soft Pneumatic Actuator in SOFA. IEEE Robotics and Automation Letters, 2022, 7, 7391-7398.	5.1	2