Joshua Bongard

List of Publications by Year
in descending order

18 papers	1,402 citations	933447 10 h-index	996975 15 g-index
20 all docs	20 docs citations	20 times ranked	1177 citing authors

#	Article	IF	Citations
1	Machine behaviour. Nature, 2019, 568, 477-486.	27.8	536
2	A scalable pipeline for designing reconfigurable organisms. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 1853-1859.	7.1	255
3	A soft robot that adapts to environments through shape change. Nature Machine Intelligence, 2021, 3, 51-59.	16.0	91
4	A cellular platform for the development of synthetic living machines. Science Robotics, 2021, 6, .	17.6	86
5	Towards enduring autonomous robots via embodied energy. Nature, 2022, 602, 393-402.	27.8	84
6	Shape Changing Robots: Bioinspiration, Simulation, and Physical Realization. Advanced Materials, 2021, 33, e2002882.	21.0	66
7	Biological underpinnings for lifelong learning machines. Nature Machine Intelligence, 2022, 4, 196-210.	16.0	62
8	Kinematic self-replication in reconfigurable organisms. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	57
9	Scalable co-optimization of morphology and control in embodied machines. Journal of the Royal Society Interface, 2018, 15, 20170937.	3.4	51
10	How morphological development can guide evolution. Scientific Reports, 2018, 8, 13934.	3.3	44
11	Automated Shapeshifting for Function Recovery in Damaged Robots. , 0, , .		31
12	Active Learning with Adaptive Heterogeneous Ensembles. , 2009, , .		10
13	Probabilistic Robotics. Sebastian Thrun, Wolfram Burgard, and Dieter Fox. (2005, MIT Press.) 647 pages. Artificial Life, 2008, 14, 227-229.	1.3	8
14	Avoiding local optima with user demonstrations and low-level control. , 2013, , .		6
15	Participation and Contribution in Crowdsourced Surveys. PLoS ONE, 2015, 10, e0120521.	2.5	6
16	Shapeâ€Changing Robots: Shape Changing Robots: Bioinspiration, Simulation, and Physical Realization (Adv. Mater. 19/2021). Advanced Materials, 2021, 33, 2170150.	21.0	2
17	A crowdsourcing approach to understand weight and weight loss in men. Preventive Medicine Reports, 2019, 13, 224-228.	1.8	1
18	Editorial: Introduction to the 2020 Conference on Artificial Life Special Issue. Artificial Life, 2022, 27, 141-142.	1.3	0