Rafael Mestre

List of Publications by Year
in descending order

14	565	933264 10	996849 15
papers	citations	h-index	g-index

19	19	19	689
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fundamental Aspects of Enzyme-Powered Micro- and Nanoswimmers. Accounts of Chemical Research, 2018, 51, 2662-2671.	7.6	171
2	Noncontinuous Superâ€Diffusive Dynamics of a Lightâ€Activated Nanobottle Motor. Angewandte Chemie - International Edition, 2018, 57, 6838-6842.	7.2	95
3	Miniaturized soft bio-hybrid robotics: a step forward into healthcare applications. Lab on A Chip, 2016, 16, 3626-3630.	3.1	64
4	Biohybrid soft robots with self-stimulating skeletons. Science Robotics, 2021, 6, .	9.9	58
5	Force Modulation and Adaptability of 3Dâ€Bioprinted Biological Actuators Based on Skeletal Muscle Tissue. Advanced Materials Technologies, 2019, 4, 1800631.	3.0	47
6	Ionic Species Affect the Self-Propulsion of Urease-Powered Micromotors. Research, 2020, 2020, 2424972.	2.8	25
7	Engineering transient dynamics of artificial cells by stochastic distribution of enzymes. Nature Communications, 2021, 12, 6897.	5.8	23
8	Biohybrid robotics: From the nanoscale to the macroscale. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2021, 13, e1703.	3.3	21
9	Noncontinuous Superâ€Diffusive Dynamics of a Lightâ€Activated Nanobottle Motor. Angewandte Chemie, 2018, 130, 6954-6958.	1.6	15
10	Scalable and integrated flow synthesis of triple-responsive nano-motors via microfluidic Pickering emulsification. Applied Materials Today, 2020, 21, 100854.	2.3	12
11	3D-bioengineered model of human skeletal muscle tissue with phenotypic features of aging for drug testing purposes. Biofabrication, 2021, 13, 045011.	3.7	9
12	Design, Optimization and Characterization of Bio-Hybrid Actuators Based on 3D-Bioprinted Skeletal Muscle Tissue. Lecture Notes in Computer Science, 2019, , 205-215.	1.0	8
13	Nanorods Based on Mesoporous Silica Containing Iron Oxide Nanoparticles as Catalytic Nanomotors: Study of Motion Dynamics. ChemNanoMat, 2021, 7, 134-140.	1.5	8
14	3D Bioprinted Muscle-Based Bio-Actuators: Force Adaptability Due to Training. Lecture Notes in Computer Science, 2018, , 316-320.	1.0	6