Marc Z Miskin

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2828668/publications.pdf

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21 papers	1,199 citations	567281 15 h-index	794594 19 g-index
22 all docs	22 docs citations	22 times ranked	1567 citing authors

#	Article	IF	Citations
1	Electronically integrated, mass-manufactured, microscopic robots. Nature, 2020, 584, 557-561.	27.8	192
2	Particle shape effects on the stress response of granular packings. Soft Matter, 2014, 10, 48-59.	2.7	170
3	Graphene-based bimorphs for micron-sized, autonomous origami machines. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 466-470.	7.1	144
4	Adapting granular materials through artificialÂevolution. Nature Materials, 2013, 12, 326-331.	27.5	116
5	Direct observation of particle interactions and clustering in charged granular streams. Nature Physics, 2015, 11, 733-737.	16.7	100
6	Turning statistical physics models into materials design engines. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 34-39.	7.1	71
7	Micrometer-sized electrically programmable shape-memory actuators for low-power microrobotics. Science Robotics, 2021, 6, .	17.6	62
8	Evolutionary pattern design for copolymer directed self-assembly. Soft Matter, 2013, 9, 11467.	2.7	57
9	Droplet formation and scaling in dense suspensions. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 4389-4394.	7.1	54
10	Evolving design rules for the inverse granular packing problem. Soft Matter, 2014, 10, 3708.	2.7	50
11	Cilia metasurfaces for electronically programmable microfluidic manipulation. Nature, 2022, 605, 681-686.	27.8	50
12	Capillary Origami with Atomically Thin Membranes. Nano Letters, 2019, 19, 6221-6226.	9.1	33
13	Measuring and Manipulating the Adhesion of Graphene. Nano Letters, 2018, 18, 449-454.	9.1	25
14	Atomic Layer Deposition for Membranes, Metamaterials, and Mechanisms. Advanced Materials, 2019, 31, e1901944.	21.0	24
15	Lattice Boltzmann simulations of particle-laden liquid bridges: Effects of volume fraction and wettability. International Journal of Multiphase Flow, 2015, 76, 32-46.	3.4	20
16	Bidirectional Self-Folding with Atomic Layer Deposition Nanofilms for Microscale Origami. Nano Letters, 2020, 20, 4850-4856.	9.1	15
17	Physical learning beyond the quasistatic limit. Physical Review Research, 2022, 4, .	3.6	12
18	Atomic origami. Current Opinion in Solid State and Materials Science, 2020, 24, 100882.	11.5	1

#	Article	IF	Citations
19	Making robots microscopic. Physics Today, 2020, 73, 66-67.	0.3	1
20	Micromechanical Systems: Atomic Layer Deposition for Membranes, Metamaterials, and Mechanisms (Adv. Mater. 29/2019). Advanced Materials, 2019, 31, 1970212.	21.0	0
21	A $oldsymbol{210}imes oldsymbol{340}imes oldsymbol{50}oldsymbol{mu}mathbf{m}$ Integrated CMOS System f0 $mathbf{r}$ Micro-Robots with Energy Harvesting, Sensing, Processing, Communication and Actuation. , 2022, , .		0