

Alexander Kogler

List of Publications by Year in descending order

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Version: 2024-02-01

7
papers

541
citations

1307594

7
h-index

1720034

7
g-index

9
all docs

9
docs citations

9
times ranked

727
citing authors

#	ARTICLE	IF	CITATIONS
1	Directional, passive liquid transport: the Texas horned lizard as a model for a biomimetic "liquid diode". Journal of the Royal Society Interface, 2015, 12, 20150415.	3.4	168
2	Stretch dependence of the electrical breakdown strength and dielectric constant of dielectric elastomers. Smart Materials and Structures, 2013, 22, 104012.	3.5	126
3	Natural rubber for sustainable high-power electrical energy generation. RSC Advances, 2014, 4, 27905-27913.	3.6	125
4	A Lesson from Plants: High-Speed Soft Robotic Actuators. Advanced Science, 2020, 7, 1903391.	11.2	55
5	Bio-inspired Microfluidic Devices for Passive, Directional Liquid Transport: Model-based Adaption for Different Materials. Procedia Engineering, 2015, 120, 106-111.	1.2	36
6	"Fluidic diode" for passive unidirectional liquid transport bioinspired by the spermathecae of fleas. Journal of Bionic Engineering, 2018, 15, 42-56.	5.0	21
7	Bio-inspired "fluidic diode" for large-area unidirectional passive water transport even against gravity. Sensors and Actuators A: Physical, 2018, 283, 375-385.	4.1	10