Rainer Kaltseis

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7877954/publications.pdf

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13	1,016	840776 11	1199594 12
papers	citations	h-index	g-index

14	14	14	1577
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Lesson from Plants: Highâ€Speed Soft Robotic Actuators. Advanced Science, 2020, 7, 1903391.	11.2	55
2	High-performance electromechanical transduction using laterally-constrained dielectric elastomers part I: Actuation processes. Journal of the Mechanics and Physics of Solids, 2017, 105, 81-94.	4.8	46
3	Instant tough bonding of hydrogels for soft machines and electronics. Science Advances, 2017, 3, e1700053.	10.3	359
4	Cost-Efficient Open Source Desktop Size Radial Stretching System With Force Sensor. IEEE Access, 2015, 3, 556-561.	4.2	21
5	Natural rubber for sustainable high-power electrical energy generation. RSC Advances, 2014, 4, 27905-27913.	3.6	125
6	Stretch dependence of the electrical breakdown strength and dielectric constant of dielectric elastomers. Smart Materials and Structures, 2013, 22, 104012.	3.5	126
7	Performance of dissipative dielectric elastomer generators. Journal of Applied Physics, 2012, 111, .	2.5	85
8	Modeling guided design of dielectric elastomer generators and actuators. Proceedings of SPIE, 2012, , .	0.8	1
9	Electric-field-tuned color in photonic crystal elastomers. Applied Physics Letters, 2012, 100, 101902.	3.3	40
10	Dielectric elastomers: from the beginning of modern science to applications in actuators and energy harvesters. , 2011, , .		7
11	Method for measuring energy generation and efficiency of dielectric elastomer generators. Applied Physics Letters, 2011, 99, .	3.3	106
12	Large area expansion of a soft dielectric membrane triggered by a liquid gaseous phase change. Applied Physics A: Materials Science and Processing, 2011, 105, 1-3.	2.3	22
13	Roton-Roton Crossover in Strongly Correlated Dipolar Bose-Einstein Condensates. Physical Review Letters, 2011, 107, 065303.	7.8	23