

Dian Yang

List of Publications by Year in descending order

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16
papers

1,138
citations

840776

11
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

1521
citing authors

#	ARTICLE	IF	CITATIONS
1	Buckling of Elastomeric Beams Enables Actuation of Soft Machines. <i>Advanced Materials</i> , 2015, 27, 6323-6327.	21.0	244
2	Buckling Pneumatic Linear Actuators Inspired by Muscle. <i>Advanced Materials Technologies</i> , 2016, 1, 1600055.	5.8	226
3	Bilayer-type fluorescence hydrogels with intelligent response serve as temperature/pH driven soft actuators. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 3117-3126.	7.8	125
4	A Soft Tube-Climbing Robot. <i>Soft Robotics</i> , 2018, 5, 133-137.	8.0	97
5	Phase-transforming and switchable metamaterials. <i>Extreme Mechanics Letters</i> , 2016, 6, 1-9.	4.1	77
6	Noncontact orientation of objects in three-dimensional space using magnetic levitation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 12980-12985.	7.1	71
7	Soft, Rotating Pneumatic Actuator. <i>Soft Robotics</i> , 2017, 4, 297-304.	8.0	70
8	Negative-Pressure Soft Linear Actuator with a Mechanical Advantage. <i>Advanced Materials Technologies</i> , 2017, 2, 1600164.	5.8	61
9	Using Magnetic Levitation for Non-Destructive Quality Control of Plastic Parts. <i>Advanced Materials</i> , 2015, 27, 1587-1592.	21.0	49
10	Green synthesis of silver nanowires via ultraviolet irradiation catalyzed by phosphomolybdic acid and their antibacterial properties. <i>New Journal of Chemistry</i> , 2013, 37, 2179.	2.8	48
11	Bilayer hydrogel mixed composites that respond to multiple stimuli for environmental sensing and underwater actuation. <i>Journal of Materials Chemistry B</i> , 2018, 6, 8170-8179.	5.8	45
12	Nematic ordering of rigid rod polyelectrolytes induced by electrostatic interactions: Effect of discrete charge distribution along the chain. <i>Journal of Chemical Physics</i> , 2011, 134, 074901.	3.0	8
13	Solution theory for systems of bilinear equations. <i>Linear and Multilinear Algebra</i> , 2014, 62, 1553-1566.	1.0	7
14	A solvable hyperbolic free boundary problem modelling tumour regrowth. <i>Applicable Analysis</i> , 2013, 92, 1541-1558.	1.3	2
15	Chirality-Dependent Friction of Bulk Molecular Solids. <i>Langmuir</i> , 2014, 30, 9972-9976.	3.5	1
16	Linear Actuators: Buckling Pneumatic Linear Actuators Inspired by Muscle (<i>Adv. Mater. Technol.</i>) Tj ETQq0 0 0 rgBT /Qverlock_10 Tf 50 1	5.8	1