

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
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17
all docs

17
docs citations

17
times ranked

1521
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | 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 |
| 2 | A Soft Tube-Climbing Robot. <i>Soft Robotics</i> , 2018, 5, 133-137. | 8.0 | 97 |
| 3 | 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 |
| 4 | Soft, Rotating Pneumatic Actuator. <i>Soft Robotics</i> , 2017, 4, 297-304. | 8.0 | 70 |
| 5 | Negative-Pressure Soft Linear Actuator with a Mechanical Advantage. <i>Advanced Materials Technologies</i> , 2017, 2, 1600164. | 5.8 | 61 |
| 6 | Buckling Pneumatic Linear Actuators Inspired by Muscle. <i>Advanced Materials Technologies</i> , 2016, 1, 1600055. | 5.8 | 226 |
| 7 | Linear Actuators: Buckling Pneumatic Linear Actuators Inspired by Muscle (<i>Adv. Mater. Technol.</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 1 | 5.8 | 1 |
| 8 | Phase-transforming and switchable metamaterials. <i>Extreme Mechanics Letters</i> , 2016, 6, 1-9. | 4.1 | 77 |
| 9 | Buckling of Elastomeric Beams Enables Actuation of Soft Machines. <i>Advanced Materials</i> , 2015, 27, 6323-6327. | 21.0 | 244 |
| 10 | Using Magnetic Levitation for Non-Destructive Quality Control of Plastic Parts. <i>Advanced Materials</i> , 2015, 27, 1587-1592. | 21.0 | 49 |
| 11 | Solution theory for systems of bilinear equations. <i>Linear and Multilinear Algebra</i> , 2014, 62, 1553-1566. | 1.0 | 7 |
| 12 | Chirality-Dependent Friction of Bulk Molecular Solids. <i>Langmuir</i> , 2014, 30, 9972-9976. | 3.5 | 1 |
| 13 | 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 |
| 14 | 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 |
| 15 | A solvable hyperbolic free boundary problem modelling tumour regrowth. <i>Applicable Analysis</i> , 2013, 92, 1541-1558. | 1.3 | 2 |
| 16 | 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 |