

# Junlan Li

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

524  
citations

840728

11  
h-index

888047

17  
g-index

23  
all docs

23  
docs citations

23  
times ranked

486  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Micro/nano-structured TiO <sub>2</sub> surface with dual-functional antibacterial effects for biomedical applications. <i>Bioactive Materials</i> , 2019, 4, 346-357.  | 15.6 | 75        |
| 2  | Thermally induced vibration of composite solar array with honeycomb panels in low earth orbit. <i>Applied Thermal Engineering</i> , 2014, 71, 419-432.   | 6.0  | 65        |
| 3  | Kinematic accuracy and dynamic performance of a simple planar space deployable mechanism with joint clearance considering parameter uncertainty. <i>Acta Astronautica</i> , 2017, 136, 34-45.  | 3.2  | 65        |
| 4  | Thermal analysis of composite solar array subjected to space heat flux. <i>Aerospace Science and Technology</i> , 2013, 27, 84-94.   | 4.8  | 57        |
| 5  | An Improved Adaptive Genetic Algorithm for Image Segmentation and Vision Alignment Used in Microelectronic Bonding. <i>IEEE/ASME Transactions on Mechatronics</i> , 2014, 19, 916-923.   | 5.8  | 49        |
| 6  | Effects of damping, friction, gravity, and flexibility on the dynamic performance of a deployable mechanism with clearance. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2013, 227, 1791-1803.         | 2.1  | 46        |
| 7  | An Extended Family of Rigidly Foldable Origami Tubes. <i>Journal of Mechanisms and Robotics</i> , 2017, 9, .   | 2.2  | 35        |
| 8  | Mechanism reliability of bistable compliant mechanisms considering degradation and uncertainties: Modeling and evaluation method. <i>Applied Mathematical Modelling</i> , 2016, 40, 10377-10388.   | 4.2  | 30        |
| 9  | Optimization design method for kirigami-inspired space deployable structures with cylindrical surfaces. <i>Applied Mathematical Modelling</i> , 2021, 89, 1575-1598.   | 4.2  | 19        |
| 10 | Dynamic modeling and motion precision analysis of spacecraft manipulator with harmonic drive considering the alternate thermal field in orbit. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2015, 229, 135-148. | 1.3  | 14        |
| 11 | Dynamic-Envelope Analysis of Clamp-Band Joint Considering Pyroshock of Satellite Separation. <i>Journal of Spacecraft and Rockets</i> , 2014, 51, 1390-1400.   | 1.9  | 13        |
| 12 | Design of deployable bistable structures for morphing skin and its structural optimization. <i>Engineering Optimization</i> , 2014, 46, 745-762.   | 2.6  | 12        |
| 13 | Analysis of parameter sensitivity on dynamics of satellite separation. <i>Acta Astronautica</i> , 2015, 114, 22-33.  | 3.2  | 9         |
| 14 | Dynamic analysis of satellite separation considering the flexibility of interface rings. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2015, 229, 1886-1902.   | 1.3  | 9         |
| 15 | Conceptual Design of Deployment Structure of Morphing Nose Cone. <i>Advances in Mechanical Engineering</i> , 2013, 5, 590957.  | 1.6  | 8         |
| 16 | Camera calibration with a near-parallel imaging system based on geometric moments. <i>Optical Engineering</i> , 2011, 50, 023601.  | 1.0  | 7         |
| 17 | Modeling and Simulation of Clamp Band Dynamic Envelope in a LV/SC Separation System. <i>Applied Mechanics and Materials</i> , 0, 141, 359-363.   | 0.2  | 5         |
| 18 | Modeling and simulation of joint clearance effects on space manipulator. , 2015, , .   |      | 3         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Design and Experimental Investigation of a 2-DOF Planar Micro-Positioning Table. International Journal of Intelligent Mechatronics and Robotics, 2013, 3, 39-54. | 0.4 | 2         |
| 20 | A Vision Alignment Method Based on Improved Genetic Algorithm for IC Packaging. Advanced Materials Research, 2011, 189-193, 4177-4181.                           | 0.3 | 1         |
| 21 | Calibration of computer vision positioning system for MEMS wire bonder. , 2007, , .  |     | 0         |
| 22 | Design and simulation of the Positioning System Using Computer Vision for IC Packaging. , 2007, , .  |     | 0         |
| 23 | Achievement of Dynamic-Link Library for Image Segmentation Based on LabVIEW. Materials Science Forum, 0, 697-698, 805-808.                                       | 0.3 | 0         |