

James P Wissman

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

698
citations

1040056

9
h-index

1281871

11
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14
all docs

14
docs citations

14
times ranked

898
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid Prototyping for Soft-Matter Electronics. <i>Advanced Functional Materials</i> , 2014, 24, 3351-3356.	14.9	173
2	EGaIn-Metal Interfacing for Liquid Metal Circuitry and Microelectronics Integration. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701596.	3.7	158
3	Field-Controlled Electrical Switch with Liquid Metal. <i>Advanced Science</i> , 2017, 4, 1700169.	11.2	107
4	Soft Anisotropic Conductors as Electric Vias for Ga-Based Liquid Metal Circuits. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 26923-26929.	8.0	66
5	Saddle-like deformation in a dielectric elastomer actuator embedded with liquid-phase gallium-indium electrodes. <i>Journal of Applied Physics</i> , 2014, 116, 144905.	2.5	35
6	Capacitive Bio-Inspired Flow Sensing Cupula. <i>Sensors</i> , 2019, 19, 2639.	3.8	33
7	Elastic instabilities of a ferroelastomer beam for soft reconfigurable electronics. <i>Extreme Mechanics Letters</i> , 2016, 9, 282-290.	4.1	32
8	Liquid metal actuator driven by electrochemical manipulation of surface tension. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	31
9	New compliant strain gauges for self-sensing dynamic deformation of flapping wings on miniature air vehicles. <i>Smart Materials and Structures</i> , 2013, 22, 085031.	3.5	30
10	Soft-matter electronics with stencil lithography. , 2013, , .		16
11	Tunable In Situ 3D-Printed PVDF-TrFE Piezoelectric Arrays. <i>Sensors</i> , 2021, 21, 5032.	3.8	11
12	Liquid metal-based bio-inspired capacitive flow sensor. , 2019, , .		3
13	Tunable acoustics with dielectric elastomer activated granular jamming exhibiting a solid-fluid transition. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	2
14	Soft-matter pressure sensors for turbulence detection. , 2019, , .		1