

Mohammad Rashed Khan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1117646/publications.pdf>

Version: 2024-02-01

14
papers

1,436
citations

933447

10
h-index

1058476

14
g-index

15
all docs

15
docs citations

15
times ranked

1643
citing authors

#	ARTICLE	IF	CITATIONS
1	Giant and switchable surface activity of liquid metal via surface oxidation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14047-14051.	7.1	309
2	Stretchable Capacitive Sensors of Torsion, Strain, and Touch Using Double Helix Liquid Metal Fibers. Advanced Functional Materials, 2017, 27, 1605630.	14.9	257
3	Vacuum filling of complex microchannels with liquid metal. Lab on A Chip, 2017, 17, 3043-3050.	6.0	169
4	Influence of Water on the Interfacial Behavior of Gallium Liquid Metal Alloys. ACS Applied Materials & Interfaces, 2014, 6, 22467-22473.	8.0	168
5	A reconfigurable liquid metal antenna driven by electrochemically controlled capillarity. Journal of Applied Physics, 2015, 117, .	2.5	159
6	Recapillarity: Electrochemically Controlled Capillary Withdrawal of a Liquid Metal Alloy from Microchannels. Advanced Functional Materials, 2015, 25, 671-678.	14.9	112
7	A frequency shifting liquid metal antenna with pressure responsiveness. Applied Physics Letters, 2011, 99, .	3.3	106
8	A Pressure Responsive Fluidic Microstrip Open Stub Resonator Using a Liquid Metal Alloy. IEEE Microwave and Wireless Components Letters, 2012, 22, 577-579.	3.2	59
9	A Compound Frequency- and Polarization- Reconfigurable Crossed Dipole Using Multidirectional Spreading of Liquid Metal. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 79-82.	4.0	57
10	Localized Instabilities of Liquid Metal Films via In-Plane Recapillarity. Advanced Materials Interfaces, 2016, 3, 1600546.	3.7	23
11	A Method to Manipulate Surface Tension of a Liquid Metal via Surface Oxidation and Reduction. Journal of Visualized Experiments, 2016, , e53567.	0.3	6
12	Crystallization and hydrogen absorption in a Ni ₃₂ Nb ₂₈ Zr ₃₀ Fe ₁₀ melt spun alloy and correlation with icosahedral clusters. International Journal of Hydrogen Energy, 2022, 47, 10298-10307.	7.1	5
13	Microfluidics: Recapillarity: Electrochemically Controlled Capillary Withdrawal of a Liquid Metal Alloy from Microchannels (Adv. Funct. Mater. 5/2015). Advanced Functional Materials, 2015, 25, 654-654.	14.9	3
14	Sensors: Stretchable Capacitive Sensors of Torsion, Strain, and Touch Using Double Helix Liquid Metal Fibers (Adv. Funct. Mater. 20/2017). Advanced Functional Materials, 2017, 27, .	14.9	3