

Mohit Rameshchandra Kulkarni

List of Publications by Year in descending order

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548
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#	ARTICLE	IF	CITATIONS
1	Diffusive and Drift Halide Perovskite Memristive Barristors as Nociceptive and Synaptic Emulators for Neuromorphic Computing. <i>Advanced Materials</i> , 2021, 33, 2007851.	21.0	83
2	Directed Assembly of Liquid Metal–Elastomer Conductors for Stretchable and Self-Healing Electronics. <i>Advanced Materials</i> , 2020, 32, e2001642.	21.0	72
3	Self healable neuromorphic memtransistor elements for decentralized sensory signal processing in robotics. <i>Nature Communications</i> , 2020, 11, 4030.	12.8	63
4	Transparent Flexible Multifunctional Nanostructured Architectures for Non-optical Readout, Proximity, and Pressure Sensing. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 15015-15021.	8.0	58
5	High- <i>k</i> , Ultrastretchable Self-Enclosed Ionic Liquid-Elastomer Composites for Soft Robotics and Flexible Electronics. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 37561-37570.	8.0	51
6	Enabling high performance n-type metal oxide semiconductors at low temperatures for thin film transistors. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1822-1844.	6.0	40
7	Soft Actuator Materials for Electrically Driven Haptic Interfaces. <i>Advanced Intelligent Systems</i> , 2022, 4, 2100061.	6.1	29
8	Field-Driven Athermal Activation of Amorphous Metal Oxide Semiconductors for Flexible Programmable Logic Circuits and Neuromorphic Electronics. <i>Small</i> , 2019, 15, e1901457.	10.0	11
9	Bilayer BaSnO ₃ thin film transistors on silicon substrates. <i>Journal of Materials Chemistry C</i> , 2020, 8, 5231-5238.	5.5	3