

Abhijith Surendran

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Ionic-Liquid Induced Morphology Tuning of PEDOT:PSS for High-Performance Organic Electrochemical Transistors. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	43
2	Enhancing the Electrochemical Doping Efficiency in Diketopyrrolopyrrole-Based Polymer for Organic Electrochemical Transistors. <i>Advanced Electronic Materials</i> , 2021, 7, .	2.6	39
3	Cubic NaSbS ₂ as an Ionic-Electronic Coupled Semiconductor for Switchable Photovoltaic and Neuromorphic Device Applications. <i>Advanced Materials</i> , 2020, 32, e1906976.	11.1	34
4	Contact Modulated Ionic Transfer Doping in All-Solid-State Organic Electrochemical Transistor for Ultra-High Sensitive Tactile Perception at Low Operating Voltage. <i>Advanced Functional Materials</i> , 2020, 30, 2006186.	7.8	42
5	Recent Technological Advances in Fabrication and Application of Organic Electrochemical Transistors. <i>Advanced Materials Technologies</i> , 2020, 5, 2000523.	3.0	46
6	Flexible Organic Electronics: Contact Modulated Ionic Transfer Doping in All-Solid-State Organic Electrochemical Transistor for Ultra-High Sensitive Tactile Perception at Low Operating Voltage (Adv.) Tj ETQq0 070rgBT /Overlock 10		
7	Optogenetics inspired transition metal dichalcogenide neuristors for in-memory deep recurrent neural networks. <i>Nature Communications</i> , 2020, 11, 3211.	5.8	36
8	Self-Healable Organic Electrochemical Transistor with High Transconductance, Fast Response, and Long-Term Stability. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 33979-33988.	4.0	40
9	Universal Spray-Deposition Process for Scalable, High-Performance, and Stable Organic Electrochemical Transistors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 20757-20764.	4.0	48
10	Perturbation-Induced Seeding and Crystallization of Hybrid Perovskites over Surface-Modified Substrates for Optoelectronic Devices. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 27727-27734.	4.0	12
11	Electrospun electroactive poly(vinylidene fluoride)-based fibrous polymer electrolyte for sodium ion batteries. <i>Materials Research Express</i> , 2019, 6, 086318.	0.8	25
12	Electrochemical characterization of a polar β -phase poly(vinylidene fluoride) gel electrolyte in sodium ion cell. <i>Journal of Electroanalytical Chemistry</i> , 2019, 833, 411-417.	1.9	25
13	Ionic-Liquid Doping Enables High Transconductance, Fast Response Time, and High Ion Sensitivity in Organic Electrochemical Transistors. <i>Advanced Materials</i> , 2019, 31, e1805544.	11.1	95
14	Diketopyrrolopyrrole based organic semiconductors with different numbers of thiophene units: symmetry tuning effect on electronic devices. <i>New Journal of Chemistry</i> , 2018, 42, 4017-4028.	1.4	19
15	Human Hair Keratin for Biocompatible Flexible and Transient Electronic Devices. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 43004-43012.	4.0	74
16	Electroactive poly(vinylidene fluoride) fluoride separator for sodium ion battery with high coulombic efficiency. <i>Solid State Ionics</i> , 2016, 292, 130-135.	1.3	89
17	Self-Powered Organic Electrochemical Transistors with Stable, Light-Intensity Independent Operation Enabled by Carbon-Based Perovskite Solar Cells. <i>Advanced Materials Technologies</i> , 0, , 2100565.	3.0	7