

Robert A Nawrocki

List of Publications by Year in descending order

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32
papers

658
citations

1051969

10
h-index

939365

18
g-index

32
all docs

32
docs citations

32
times ranked

1288
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of 3D printed pneumatic soft actuator. <i>Sensors and Actuators A: Physical</i> , 2022, 334, 113337.	2.0	9
2	Organic Logic Domain Integrator Synapse. <i>Advanced Electronic Materials</i> , 2022, 8, 2100724.	2.6	4
3	Modeling of the electrical characteristics of an organic field effect transistor in presence of the bending effects. <i>Organic Electronics</i> , 2021, 88, 106000.	1.4	15
4	A Review of the Progress of Thin-Film Transistors and Their Technologies for Flexible Electronics. <i>Micromachines</i> , 2021, 12, 655.	1.4	51
5	Organic electronics Axon-Hillock neuromorphic circuit: towards biologically compatible, and physically flexible, integrate-and-fire spiking neural networks. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 104004.	1.3	16
6	Lessons Learned the Hard Way. , 2020, , .		0
7	Impedimetric, PEDOT:PSS-Based Organic Electrochemical Sensor for Detection of Histamine for Precision Animal Agriculture. , 2020, 4, 1-4.		2
8	Organic Electrochemical, PEDOT:PSS-Based Impedimetric Histamine Sensor. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 2225-2225.	0.0	0
9	Modeling of an Internal Stress and Strain Distribution of an Inverted Staggered Thin-Film Transistor Based on Two-Dimensional Mass-Spring-Damper Structure. <i>CMES - Computer Modeling in Engineering and Sciences</i> , 2020, 125, 515-539.	0.8	8
10	Enhancement of Charge Transport in Polythiophene Semiconducting Polymer by Blending with Graphene Nanoparticles. <i>ChemPlusChem</i> , 2019, 84, 1366-1374.	1.3	3
11	Super- and Ultrathin Organic Field-Effect Transistors: from Flexibility to Super- and Ultraflexibility. <i>Advanced Functional Materials</i> , 2019, 29, 1906908.	7.8	35
12	Global Sustainability through Closed-Loop Precision Animal Agriculture. <i>Mechanical Engineering</i> , 2018, 140, S19-S23.	0.0	4
13	NUCLEOs: Toward Rapid-Prototyping of Robotic Materials That Can Sense, Think and Act. , 2018, , .		2
14	Self-Adhesive and Ultra-Conformable, Sub-300 nm Dry Thin-Film Electrodes for Surface Monitoring of Biopotentials. <i>Advanced Functional Materials</i> , 2018, 28, 1803279.	7.8	136
15	Enhancement of Closed-Loop Gain of Organic Amplifiers Using Double Gate Structures. <i>IEEE Electron Device Letters</i> , 2016, , 1-1.	2.2	1
16	A Mini Review of Neuromorphic Architectures and Implementations. <i>IEEE Transactions on Electron Devices</i> , 2016, 63, 3819-3829.	1.6	152
17	300-nm Imperceptible, Ultraflexible, and Biocompatible e-Skin Fit with Tactile Sensors and Organic Transistors. <i>Advanced Electronic Materials</i> , 2016, 2, 1500452.	2.6	120
18	Fabrication of poly(3-hexylthiophene) nanowires for high-mobility transistors. <i>Organic Electronics</i> , 2016, 30, 92-98.	1.4	16

#	ARTICLE	IF	CITATIONS
19	Morphing Bus: A New Paradigm in Peripheral Interconnect Bus. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2014, 4, 341-351.	1.4	6
20	Neurons in Polymer: Hardware Neural Units Based on Polymer Memristive Devices and Polymer Transistors. IEEE Transactions on Electron Devices, 2014, 61, 3513-3519.	1.6	22
21	An inverted, organic WORM device based on PEDOT:PSS with very low turn-on voltage. Organic Electronics, 2014, 15, 1791-1798.	1.4	14
22	Polymer and Nanoparticle-Composite Bistable Devices: Physics of Operation and Initial Applications. , 2012, , 291-314.		2
23	Monitoring Performance Degradation of Cerebellar Functions Using Computational Neuroscience Methods: Implications on Neurological Diseases. PLoS ONE, 2012, 7, e45581.	1.1	1
24	Wireless Electrical Power to Sub-millimeter Robots. Lecture Notes in Computer Science, 2012, , 301-312.	1.0	0
25	Artificial neural network performance degradation under network damage: Stuck-at faults. , 2011, , .		11
26	A neuromorphic architecture from single transistor neurons with organic bistable devices for weights. , 2011, , .		6
27	Structured computational polymers for safety, security, and rescue robotics. , 2011, , .		0
28	Structured Computational Polymers for a soft robot: Actuation and cognition. , 2011, , .		7
29	Simulating Hardware Neural Networks with Organic Memristors and Organic Field Effect Transistors. , 2010, , 477-484.		7
30	Monitoring Artificial Neural Network Performance Degradation under Network Damage. , 2010, , 97-104.		4
31	Towards an all-polymer robot for search and rescue. , 2009, , .		3
32	Effect Of Additive Manufacturing On β -Phase Poly(vinylidene fluoride) Based Capacitive Temperature Sensors. Advanced Engineering Materials, 0, , .	1.6	1