

Elliot J Fuller

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

3,029
citations

623734

14
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

3420
citing authors

#	ARTICLE	IF	CITATIONS
1	High accuracy single-layer free-space diffractive neuromorphic classifiers for spatially incoherent light. <i>Optics Express</i> , 2022, 30, 12510.	3.4	4
2	Efficient Electronic Tunneling Governs Transport in Conducting Polymer-Insulator Blends. <i>Journal of the American Chemical Society</i> , 2022, 144, 10368-10376.	13.7	26
3	In situ Parallel Training of Analog Neural Network Using Electrochemical Random-Access Memory. <i>Frontiers in Neuroscience</i> , 2021, 15, 636127.	2.8	24
4	Co-Design of Free-Space Metasurface Optical Neuromorphic Classifiers for High Performance. <i>ACS Photonics</i> , 2021, 8, 2103-2111.	6.6	7
5	Spatially Resolved Potential and Li-Ion Distributions Reveal Performance-Limiting Regions in Solid-State Batteries. <i>ACS Energy Letters</i> , 2021, 6, 3944-3951.	17.4	18
6	Filament-Free Bulk Resistive Memory Enables Deterministic Analogue Switching. <i>Advanced Materials</i> , 2020, 32, e2003984.	21.0	83
7	Low-Voltage, CMOS-Free Synaptic Memory Based on Li_xTiO_2 Redox Transistors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 38982-38992.	8.0	78
8	Parallel programming of an ionic floating-gate memory array for scalable neuromorphic computing. <i>Science</i> , 2019, 364, 570-574.	12.6	484
9	Optimized pulsed write schemes improve linearity and write speed for low-power organic neuromorphic devices. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 224002.	2.8	53
10	Kinetics-Controlled Degradation Reactions at Crystalline $\text{LiPON/Li}_x\text{CoO}_2$ and Crystalline LiPON/Li -Metal Interfaces. <i>ChemSusChem</i> , 2018, 11, 1956-1969.	6.8	32
11	Tin Oxynitride Anodes by Atomic Layer Deposition for Solid-State Batteries. <i>Chemistry of Materials</i> , 2018, 30, 2526-2534.	6.7	16
12	All-Solid-State Synaptic Transistor with Ultralow Conductance for Neuromorphic Computing. <i>Advanced Functional Materials</i> , 2018, 28, 1804170.	14.9	335
13	A non-volatile organic electrochemical device as a low-voltage artificial synapse for neuromorphic computing. <i>Nature Materials</i> , 2017, 16, 414-418.	27.5	1,234
14	Nanoscale Solid State Batteries Enabled by Thermal Atomic Layer Deposition of a Lithium Polyphosphazene Solid State Electrolyte. <i>Chemistry of Materials</i> , 2017, 29, 3740-3753.	6.7	122
15	Achieving ideal accuracies in analog neuromorphic computing using periodic carry. , 2017, , .		39
16	Li -Ion Synaptic Transistor for Low Power Analog Computing. <i>Advanced Materials</i> , 2017, 29, 1604310.	21.0	425
17	One-Dimensional Poole-Frenkel Conduction in the Single Defect Limit. <i>Nano Letters</i> , 2015, 15, 5248-5253.	9.1	5
18	Mean free paths in single-walled carbon nanotubes measured by Kelvin probe force microscopy. <i>Physical Review B</i> , 2014, 89, .	3.2	13

#	ARTICLE	IF	CITATIONS
19	Quantitative Kelvin probe force microscopy of current-carrying devices. Applied Physics Letters, 2013, 102, .	3.3	17
20	Distinguishing carbon nanotube defect chemistry using scanning gate spectroscopy. Physical Review B, 2012, 85, .	3.2	14