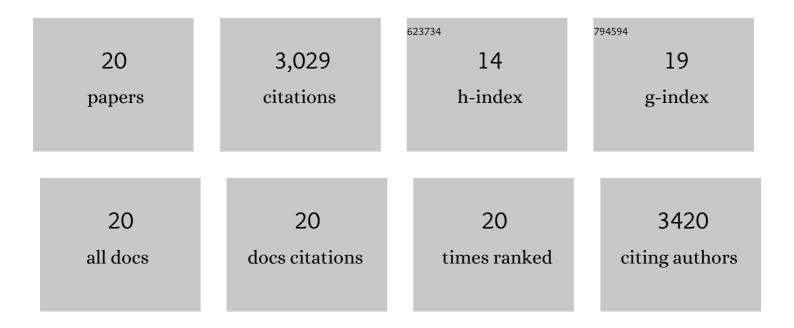
Elliot J Fuller

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/11197050/publications.pdf Version: 2024-02-01



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| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 1 | A non-volatile organic electrochemical device as a low-voltage artificial synapse for neuromorphic computing. Nature Materials, 2017, 16, 414-418. | 27.5 | 1,234 |
| 2 | Parallel programming of an ionic floating-gate memory array for scalable neuromorphic computing. Science, 2019, 364, 570-574. | 12.6 | 484 |
| 3 | Liâ€lon Synaptic Transistor for Low Power Analog Computing. Advanced Materials, 2017, 29, 1604310. | 21.0 | 425 |
| 4 | Allâ€Solidâ€State Synaptic Transistor with Ultralow Conductance for Neuromorphic Computing. Advanced Functional Materials, 2018, 28, 1804170. | 14.9 | 335 |
| 5 | Nanoscale Solid State Batteries Enabled by Thermal Atomic Layer Deposition of a Lithium Polyphosphazene Solid State Electrolyte. Chemistry of Materials, 2017, 29, 3740-3753. | 6.7 | 122 |
| 6 | Filamentâ€Free Bulk Resistive Memory Enables Deterministic Analogue Switching. Advanced Materials, 2020, 32, e2003984. | 21.0 | 83 |
| 7 | Low-Voltage, CMOS-Free Synaptic Memory Based on Li <i>_X</i> TiO ₂ Redox Transistors. ACS Applied Materials & Interfaces, 2019, 11, 38982-38992. | 8.0 | 78 |
| 8 | Optimized pulsed write schemes improve linearity and write speed for low-power organic neuromorphic devices. Journal Physics D: Applied Physics, 2018, 51, 224002. | 2.8 | 53 |
| 9 | Achieving ideal accuracies in analog neuromorphic computing using periodic carry. , 2017, , . | | 39 |
| 10 | Kinetics ontrolled Degradation Reactions at Crystalline LiPON/Li _{<i>x</i>} CoO ₂ and Crystalline LiPON/Liâ€Metal Interfaces. ChemSusChem, 2018, 11, 1956-1969. | 6.8 | 32 |
| 11 | Efficient Electronic Tunneling Governs Transport in Conducting Polymer-Insulator Blends. Journal of the American Chemical Society, 2022, 144, 10368-10376. | 13.7 | 26 |
| 12 | In situ Parallel Training of Analog Neural Network Using Electrochemical Random-Access Memory. Frontiers in Neuroscience, 2021, 15, 636127. | 2.8 | 24 |
| 13 | Spatially Resolved Potential and Li-Ion Distributions Reveal Performance-Limiting Regions in Solid-State Batteries. ACS Energy Letters, 2021, 6, 3944-3951. | 17.4 | 18 |
| 14 | Quantitative Kelvin probe force microscopy of current-carrying devices. Applied Physics Letters, 2013, 102, . | 3.3 | 17 |
| 15 | Tin Oxynitride Anodes by Atomic Layer Deposition for Solid-State Batteries. Chemistry of Materials, 2018, 30, 2526-2534. | 6.7 | 16 |
| 16 | Distinguishing carbon nanotube defect chemistry using scanning gate spectroscopy. Physical Review B, 2012, 85, . | 3.2 | 14 |
| 17 | Mean free paths in single-walled carbon nanotubes measured by Kelvin probe force microscopy. Physical Review B, 2014, 89, . | 3.2 | 13 |
| 18 | Co-Design of Free-Space Metasurface Optical Neuromorphic Classifiers for High Performance. ACS Photonics, 2021, 8, 2103-2111. | 6.6 | 7 |

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| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | One-Dimensional Poole-Frenkel Conduction in the Single Defect Limit. Nano Letters, 2015, 15, 5248-5253. | 9.1 | 5 |
| 20 | High accuracy single-layer free-space diffractive neuromorphic classifiers for spatially incoherent light. Optics Express, 2022, 30, 12510. | 3.4 | 4 |