

Samuel R Nason

List of Publications by Year in descending order

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13
papers

270
citations

1307594

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1474206

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all docs

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docs citations

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times ranked

316
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | A low-power band of neuronal spiking activity dominated by local single units improves the performance of brain-machine interfaces. <i>Nature Biomedical Engineering</i> , 2020, 4, 973-983. | 22.5 | 73 |
| 2 | Cortical Decoding of Individual Finger Group Motions Using ReFIT Kalman Filter. <i>Frontiers in Neuroscience</i> , 2018, 12, 751. | 2.8 | 36 |
| 3 | 26.9 A 0.19Å–0.17mm ² Wireless Neural Recording IC for Motor Prediction with Near-Infrared-Based Power and Data Telemetry. , 2020, 2020, 416-418. | | 29 |
| 4 | Real-time linear prediction of simultaneous and independent movements of two finger groups using an intracortical brain-machine interface. <i>Neuron</i> , 2021, 109, 3164-3177.e8. | 8.1 | 24 |
| 5 | Bridging the “Last Millimeter” Gap of Brain-Machine Interfaces via Near-Infrared Wireless Power Transfer and Data Communications. <i>ACS Photonics</i> , 2021, 8, 1430-1438. | 6.6 | 23 |
| 6 | The future of upper extremity rehabilitation robotics: research and practice. <i>Muscle and Nerve</i> , 2020, 61, 708-718. | 2.2 | 22 |
| 7 | Design and testing of a 96-channel neural interface module for the Networked Neuroprosthesis system. <i>Bioelectronic Medicine</i> , 2019, 5, 3. | 2.3 | 19 |
| 8 | A Light-Tolerant Wireless Neural Recording IC for Motor Prediction With Near-Infrared-Based Power and Data Telemetry. <i>IEEE Journal of Solid-State Circuits</i> , 2022, 57, 1061-1074. | 5.4 | 19 |
| 9 | A Light Tolerant Neural Recording IC for Near-Infrared-Powered Free Floating Motes. , 2021, 2021, . | | 7 |
| 10 | A Power-Efficient Brain-Machine Interface System With a Sub-mw Feature Extraction and Decoding ASIC Demonstrated in Nonhuman Primates. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2022, 16, 395-408. | 4.0 | 6 |
| 11 | A low-power communication scheme for wireless, 1000 channel brain-machine interfaces. <i>Journal of Neural Engineering</i> , 2022, 19, 036037. | 3.5 | 6 |
| 12 | Restoring upper extremity function with brain-machine interfaces. <i>International Review of Neurobiology</i> , 2021, 159, 153-186. | 2.0 | 0 |
| 13 | Neural Dynamics in Primate Cortex during Exposure to Subanesthetic Concentrations of Nitrous Oxide. <i>ENeuro</i> , 2021, 8, ENEURO.0479-20.2021. | 1.9 | 0 |