# Christopher Abbott Reece Chapman

List of Publications by Year
in descending order



| 17 | 417 | 933264 | 887953 |
|---|---|---|---|
| papers | citations | 10 h-index | 17 g-index |

| 17 | 17 | 17 | 648 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Flexible Networks of Patterned Conducting Polymer Nanowires for Fully Polymeric Bioelectronics. Advanced NanoBiomed Research, 2022, 2, 2100102. | 1.7 | 2 |
| 2 | Model-based geometrical optimisation and in vivo validation of a spatially selective multielectrode cuff array for vagus nerve neuromodulation. Journal of Neuroscience Methods, 2021, 352, 109079. | 1.3 | 42 |
| 3 | Mind the gap: State-of-the-art technologies and applications for EEG-based brainâ€“computer interfaces. APL Bioengineering, 2021, 5, 031507. | 3.3 | 28 |
| 4 | Actively controlled local drug delivery using conductive polymer-based devices. Applied Physics Letters, 2020, 116, . | 1.5 | 48 |
| 5 | Optimisation of bioimpedance measurements of neuronal activity with an ex vivo preparation of Cancer pagurus peripheral nerves. Journal of Neuroscience Methods, 2019, 327, 108322. | 1.3 | 6 |
| 6 | Extracting impedance changes from a frequency multiplexed signal during neural activity in sciatic nerve of rat: preliminary study in vitro. Physiological Measurement, 2019, 40, 034006. | 1.2 | 5 |
| 7 | Electrode fabrication and interface optimization for imaging of evoked peripheral nervous system activity with electrical impedance tomography (EIT). Journal of Neural Engineering, 2019, 16, 016001. | 1.8 | 23 |
| 8 | Multifunctional Neural Interfaces for Closedâ€Loop Control of Neural Activity. Advanced Functional Materials, 2018, 28, 1703523. | 7.8 | 22 |
| 9 | Nanostructure Introduces Artifacts in Quantitative Immunofluorescence by Influencing Fluorophore Intensity. Scientific Reports, 2017, 7, 427. | 1.6 | 7 |
| 10 | Neural Interfaces: Nanoporous Gold Biointerfaces: Modifying Nanostructure to Control Neural Cell Coverage and Enhance Electrophysiological Recording Performance (Adv. Funct. Mater. 3/2017). Advanced Functional Materials, 2017, 27, . | 7.8 | 2 |
| 11 | Nanoporous Gold Biointerfaces: Modifying Nanostructure to Control Neural Cell Coverage and Enhance Electrophysiological Recording Performance. Advanced Functional Materials, 2017, 27, 1604631. | 7.8 | 52 |
| 12 | Utilizing dynamic laser speckle to probe nanoscale morphology evolution in nanoporous gold thin films. Optics Express, 2016, 24, 5323. | 1.7 | 3 |
| 13 | Mechanisms of Reduced Astrocyte Surface Coverage in Cortical Neuron-Glia Co-cultures on Nanoporous Gold Surfaces. Cellular and Molecular Bioengineering, 2016, 9, 433-442. | 1.0 | 16 |
| 14 | Substrate topography guides pore morphology evolution in nanoporous gold thin films. Scripta Materialia, 2016, 110, 33-36. | 2.6 | 6 |
| 15 | Engineering on-chip nanoporous gold material libraries via precision photothermal treatment. Nanoscale, 2016, 8, 785-795. | 2.8 | 19 |
| 16 | Nanoporous Gold as a Neural Interface Coating: Effects of Topography, Surface Chemistry, and Feature Size. ACS Applied Materials & Interfaces, 2015, 7, 7093-7100. | 4.0 | 123 |
| 17 | Microfabrication of Nanoporous Gold Patterns for Cell-material Interaction Studies. Journal of Visualized Experiments, 2013, , e50678. | 0.2 | 13 |