

Piotr Zawal

List of Publications by Year in descending order

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10
papers

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Light-Induced Synaptic Effects Controlled by Incorporation of Charge-Trapping Layer into Hybrid Perovskite Memristor. <i>Advanced Electronic Materials</i> , 2022, 8, . | 2.6 | 9 |
| 2 | From Oscillatory Reactions to Robotics: A Serendipitous Journey Through Chemistry, Physics and Computation. , 2021, , 1-79. | | 2 |
| 3 | Neuromorphic Applications of a Multivalued $[\text{Sn}_4\{(\text{C}_6\text{H}_5)_2\text{SO}_2]$ Memristor Incorporated in the Echo State Machine. <i>ACS Applied Electronic Materials</i> , 2020, 2, 329-338. | 2.0 | 16 |
| 4 | Halogen-containing semiconductors: From artificial photosynthesis to unconventional computing. <i>Coordination Chemistry Reviews</i> , 2020, 415, 213316. | 9.5 | 21 |
| 5 | Bismuth triiodide complexes: structure, spectroscopy, electronic properties, and memristive properties. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6136-6148. | 2.7 | 6 |
| 6 | In-materioneuromimetic devices: dynamics, information processing and pattern recognition. <i>Japanese Journal of Applied Physics</i> , 2020, 59, 050504. | 0.8 | 17 |
| 7 | Synaptic plasticity, metaplasticity and memory effects in hybrid organic-inorganic bismuth-based materials. <i>Nanoscale</i> , 2019, 11, 1080-1090. | 2.8 | 36 |
| 8 | Memristor in a Reservoir System—Experimental Evidence for High-Level Computing and Neuromorphic Behavior of PbI_2 . <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 17009-17018. | 4.0 | 23 |
| 9 | Heavy pnictogen chalcogenides: the synthesis, structure and properties of these rediscovered semiconductors. <i>Chemical Communications</i> , 2018, 54, 12133-12162. | 2.2 | 39 |
| 10 | Hollow microtubes made of carbon, boron and gold: novel semiconducting nanocomposite material for applications in electrochemistry and temperature sensing. <i>RSC Advances</i> , 2015, 5, 64083-64090. | 1.7 | 2 |