

Piotr Zawal

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8549480/publications.pdf>

Version: 2024-02-01

10
papers

171
citations

1306789

7
h-index

1473754

9
g-index

10
all docs

10
docs citations

10
times ranked

235
citing authors

#	ARTICLE	IF	CITATIONS
1	Heavy pnictogen chalcogenides: the synthesis, structure and properties of these rediscovered semiconductors. <i>Chemical Communications</i> , 2018, 54, 12133-12162.	2.2	39
2	Synaptic plasticity, metaplasticity and memory effects in hybrid organic–inorganic bismuth-based materials. <i>Nanoscale</i> , 2019, 11, 1080-1090.	2.8	36
3	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
4	Halogen-containing semiconductors: From artificial photosynthesis to unconventional computing. <i>Coordination Chemistry Reviews</i> , 2020, 415, 213316.	9.5	21
5	In-material neuromimetic devices: dynamics, information processing and pattern recognition. <i>Japanese Journal of Applied Physics</i> , 2020, 59, 050504.	0.8	17
6	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
7	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
8	Bismuth triiodide complexes: structure, spectroscopy, electronic properties, and memristive properties. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6136-6148.	2.7	6
9	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
10	From Oscillatory Reactions to Robotics: A Serendipitous Journey Through Chemistry, Physics and Computation. , 2021, , 1-79.		2