

# Mei Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

482  
citations

759055

12  
h-index

677027

22  
g-index

28  
all docs

28  
docs citations

28  
times ranked

666  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of the chemical composition of boron-doped diamond surfaces upon different oxidation processes. <i>Electrochimica Acta</i> , 2009, 54, 5818-5824.	2.6	79
2	Distinction between surface hydroxyl and ether groups on boron-doped diamond electrodes using a chemical approach. <i>Electrochemistry Communications</i> , 2010, 12, 351-354.	2.3	48
3	Unprecedented Electrochromic Stability of a-WO <sub>3</sub> Thin Films Achieved by Using a Hybrid-Cationic Electrolyte. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 11067-11077.	4.0	44
4	Clicking ferrocene groups to boron-doped diamond electrodes. <i>Chemical Communications</i> , 2009, , 2753.	2.2	42
5	Artificial synapses with a sponge-like double-layer porous oxide memristor. <i>NPG Asia Materials</i> , 2021, 13, .	3.8	31
6	Photochemical Immobilization of Proteins and Peptides on Benzophenone-Terminated Boron-Doped Diamond Surfaces. <i>Langmuir</i> , 2010, 26, 1075-1080.	1.6	30
7	“Clicking” Thiophene on Diamond Interfaces. Preparation of a Conducting Polythiophene/Diamond Hybrid Material. <i>Journal of Physical Chemistry C</i> , 2009, 113, 17082-17086.	1.5	27
8	Stability and Repeatability of a Karst-like Hierarchical Porous Silicon Oxide-Based Memristor. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 21734-21740.	4.0	24
9	Covalent modification of boron-doped diamond electrodes with an imidazolium-based ionic liquid. <i>Electrochimica Acta</i> , 2010, 55, 1582-1587.	2.6	23
10	Interface dipole engineering in metal gate/high-k stacks. <i>Science Bulletin</i> , 2012, 57, 2872-2878.	1.7	22
11	Strain-enhanced power conversion efficiency of a BP/SnSe van der Waals heterostructure. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 14787-14795.	1.3	21
12	Lithium ion trapping mechanism of SiO <sub>2</sub> in LiCoO <sub>2</sub> based memristors. <i>Scientific Reports</i> , 2019, 9, 5081.	1.6	14
13	Barrier Reduction of Lithium Ion Tunneling through Graphene with Hybrid Defects: First-Principles Calculations. <i>Advanced Theory and Simulations</i> , 2018, 1, 1700009.	1.3	11
14	Wet-chemical approach for the halogenation of hydrogenated boron-doped diamond electrodes. <i>Chemical Communications</i> , 2008, , 6294.	2.2	10
15	Self-Driven Electrochromic Window System Cu/WO <sub>3</sub> /Al <sup>3+</sup> /GR with Dynamic Optical Modulation and Static Graph Display Functions. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 10517-10525.	4.0	10
16	Thickness Dependence of WO <sub>3</sub> and NiO Thin Films in All-Solid-State Complementary Electrochromic Devices. <i>Energy Technology</i> , 2021, 9, 2100656.	1.8	7
17	Preparation of H-terminated and aminated diamond like carbon surfaces. <i>Rare Metals</i> , 2012, 31, 189-192.	3.6	5
18	Topological superconductors from one-dimensional periodically modulated Majorana chains. <i>Scientific Reports</i> , 2017, 7, 9210.	1.6	5

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19	Electrochromic Adaptability of NiO <sub>x</sub> Films Modified by Substrate Temperature in Aqueous and Non-Aqueous Electrolytes. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	5
20	Fermi-level pinning in full metal/high-k/SiO <sub>2</sub> /Si stacks. <i>Journal of Applied Physics</i> , 2017, 122, .	1.1	4
21	Competitive conductive mechanism of interstitial Ag and oxygen vacancies in Ag/Ta <sub>2</sub> O <sub>5</sub> /Pt stack. <i>Journal of Applied Physics</i> , 2019, 126, .	1.1	4
22	Wrinkled Surface-Induced Memristive Behavior of MoS <sub>2</sub> Wrapped GaN Nanowires. <i>Advanced Electronic Materials</i> , 2020, 6, 2000571.	2.6	4
23	GaO <sub>x</sub> @GaN Nanowire Arrays on Flexible Graphite Paper with Tunable Persistent Photoconductivity. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 41916-41925.	4.0	4
24	Clicking cyclophane to boron doped diamond surfaces. <i>Science Bulletin</i> , 2013, 58, 2898-2902.	1.7	3
25	Modulation of resistive switching in Pt/LiCoO <sub>2</sub> /SiO <sub>2</sub> /Si stacks. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 4753-4759.	1.1	2
26	Photoluminescence Properties of GaN Nanowires Grown in a Gradient-Plasma Environment. <i>Journal of Physical Chemistry C</i> , 2020, 124, 16002-16008.	1.5	2
27	Clicking ferrocene to halogenated boron-doped diamond surfaces. <i>Rare Metals</i> , 2013, 32, 100-104.	3.6	1
28	Design and Test of a Multi-Axis Acoustic-Levitation Device for Non-Contact Dust Removal from Precision Instruments. <i>Research in Education Assessment and Learning</i> , 2020, 5, .	0.1	0