

Jing-Wei Chen

List of Publications by Year in descending order

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53
papers

3,652
citations

218592

26
h-index

175177

52
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56
all docs

56
docs citations

56
times ranked

5608
citing authors

#	ARTICLE	IF	CITATIONS
1	Extremely Stretchable Strain Sensors Based on Conductive Self-Healing Dynamic Cross-Links Hydrogels for Human-Motion Detection. <i>Advanced Science</i> , 2017, 4, 1600190.	5.6	728
2	Highly Stable Transparent Conductive Silver Grid/PEDOT:PSS Electrodes for Integrated Bifunctional Flexible Electrochromic Supercapacitors. <i>Advanced Energy Materials</i> , 2016, 6, 1501882.	10.2	391
3	Smart Windows: Electro-, Thermo-, Mechano-, Photochromics, and Beyond. <i>Advanced Energy Materials</i> , 2019, 9, 1902066.	10.2	383
4	Sulfidation of NiMn-Layered Double Hydroxides/Graphene Oxide Composites toward Supercapacitor Electrodes with Enhanced Performance. <i>Advanced Energy Materials</i> , 2016, 6, 1501745.	10.2	254
5	Inkjet-printed all solid-state electrochromic devices based on NiO/WO ₃ nanoparticle complementary electrodes. <i>Nanoscale</i> , 2016, 8, 348-357.	2.8	157
6	NiMn layered double hydroxides as efficient electrocatalysts for the oxygen evolution reaction and their application in rechargeable Zn-air batteries. <i>Nanoscale</i> , 2017, 9, 774-780.	2.8	130
7	Carbon Coated Bimetallic Sulfide Hollow Nanocubes as Advanced Sodium Ion Battery Anode. <i>Advanced Energy Materials</i> , 2017, 7, 1700180.	10.2	130
8	Molecular Level Assembly for High-Performance Flexible Electrochromic Energy-Storage Devices. <i>ACS Energy Letters</i> , 2020, 5, 1159-1166.	8.8	126
9	Electrochemical Supercapacitors: From Mechanism Understanding to Multifunctional Applications. <i>Advanced Energy Materials</i> , 2021, 11, 2003311.	10.2	109
10	The Advances of Metal Sulfides and In Situ Characterization Methods beyond Li Ion Batteries: Sodium, Potassium, and Aluminum Ion Batteries. <i>Small Methods</i> , 2020, 4, 1900648.	4.6	106
11	Direct Observation of Indium Conductive Filaments in Transparent, Flexible, and Transferable Resistive Switching Memory. <i>ACS Nano</i> , 2017, 11, 1712-1718.	7.3	83
12	Electrochemical Mechanism Investigation of Cu ₂ MoS ₄ Hollow Nanospheres for Fast and Stable Sodium Ion Storage. <i>Advanced Functional Materials</i> , 2019, 29, 1807753.	7.8	72
13	One-Dimensional Conjugated Coordination Polymer for Electrochromic Energy Storage Device with Exceptionally High Performance. <i>Advanced Science</i> , 2020, 7, 1903109.	5.6	72
14	A High-Performance Lithium-Ion Capacitor Based on 2D Nanosheet Materials. <i>Small</i> , 2017, 13, 1602893.	5.2	70
15	Highly Transparent Conducting Nanopaper for Solid State Foldable Electrochromic Devices. <i>Small</i> , 2016, 12, 6370-6377.	5.2	66
16	Spray coated ultrathin films from aqueous tungsten molybdenum oxide nanoparticle ink for high contrast electrochromic applications. <i>Journal of Materials Chemistry C</i> , 2016, 4, 33-38.	2.7	63
17	Holey graphene-wrapped porous TiNb ₂₄ O ₆₂ microparticles as high-performance intercalation pseudocapacitive anode materials for lithium-ion capacitors. <i>NPG Asia Materials</i> , 2018, 10, 406-416.	3.8	55
18	Zinc-Ion Hybrid Supercapacitors: Progress and Future Perspective. <i>Batteries and Supercaps</i> , 2021, 4, 1529-1546.	2.4	48

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19	Ti-Doped WO ₃ synthesized by a facile wet bath method for improved electrochromism. Journal of Materials Chemistry C, 2017, 5, 9995-10000.	2.7	43
20	Encapsulation of MnS Nanocrystals into N, S-Co-doped Carbon as Anode Material for Full Cell Sodium-Ion Capacitors. Nano-Micro Letters, 2020, 12, 34.	14.4	42
21	Sulfur-Rich Colloidal Nickel Sulfides as Bifunctional Catalyst for All-Solid-State, Flexible and Rechargeable Zn-Air Batteries. ChemCatChem, 2019, 11, 1205-1213.	1.8	40
22	A Nonpresodiate Sodium-Ion Capacitor with High Performance. Small, 2018, 14, e1804035.	5.2	36
23	Robust Trioptical-State Electrochromic Energy Storage Device Enabled by Reversible Metal Electrodeposition. ACS Energy Letters, 2021, 6, 4328-4335.	8.8	36
24	Large-scale doping-engineering enables boron/nitrogen dual-doped porous carbon for high-performance zinc ion capacitors. Rare Metals, 2022, 41, 2505-2516.	3.6	35
25	A Tailorable Spray-Assembly Strategy of Silver Nanowires-Bundle Mesh for Transferable High-Performance Transparent Conductor. Advanced Functional Materials, 2021, 31, .	7.8	32
26	Towards High-Performance Aqueous Sodium Ion Batteries: Constructing Hollow NaTi ₂ (PO ₄) ₃ @C Nanocube Anode with Zn Metal-Induced Pre-Sodiation and Deep Eutectic Electrolyte. Advanced Energy Materials, 2022, 12, .	10.2	30
27	<i>Diphyllia grayi</i> -Inspired Stretchable Hydrochromics with Large Optical Modulation in the Visible-Near-Infrared Region. ACS Applied Materials & Interfaces, 2018, 10, 37685-37693.	4.0	29
28	A Quasi-Solid-State Tristate Reversible Electrochemical Mirror Device with Enhanced Stability. Advanced Science, 2020, 7, 1903198.	5.6	26
29	High-Capacity Iron-Based Anodes for Aqueous Secondary Nickel-Iron Batteries: Recent Progress and Prospects. ChemElectroChem, 2021, 8, 274-290.	1.7	23
30	Spatially Confined Edge-to-Edge Strategy for Achieving Compact Na ⁺ /K ⁺ Storage: Constructing Hetero-Ni ₃ S ₂ in Densified Carbons. Advanced Functional Materials, 2022, 32, .	7.8	23
31	A semitransparent snake-like tactile and olfactory bionic sensor with reversibly stretchable properties. NPG Asia Materials, 2017, 9, e437-e437.	3.8	22
32	Fabrication and Raman scattering behavior of novel turbostratic BN thin films. Materials Letters, 2015, 151, 130-133.	1.3	19
33	A facile route to high-purity BN nanoplates with ultraviolet cathodoluminescence emissions at room temperature. Materials Research Bulletin, 2014, 53, 190-195.	2.7	18
34	NiMn layered double hydroxides derived multiphase Mn-doped Ni sulfides with reduced graphene oxide composites as anode materials with superior cycling stability for sodium ion batteries. Materials Today Energy, 2018, 9, 74-82.	2.5	18
35	Synthesis through 3D printing: formation of 3D coordination polymers. RSC Advances, 2020, 10, 14812-14817.	1.7	17
36	Heat-Insulating Black Electrochromic Device Enabled by Reversible Nickel-Copper Electrodeposition. ACS Applied Materials & Interfaces, 2022, 14, 20237-20246.	4.0	17

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37	Flexible electrochromic fiber with rapid color switching and high optical modulation. Nano Research, 2023, 16, 5473-5479.	5.8	16
38	Scalable Inkjet Printing of Electrochromic Smart Windows for Building Energy Modulation. Advanced Energy and Sustainability Research, 2022, 3, 2100172.	2.8	14
39	Pseudocapacitive and dual-functional electrochromic Zn batteries. Materials Today Energy, 2022, 27, 101048.	2.5	14
40	Smart Windows: Smart Windows: Electrochromic, Thermochromic, Mechanochromic, Photochromics, and Beyond (Adv. Energy Mater. 2020, 10, 1000000) / Over	10.2	12
41	Coupling core-shell Bi ₂ TiO ₇ heterostructures into carbon nanofibers for achieving fast potassium storage and long cycling stability. Journal of Materials Chemistry A, 2022, 10, 12908-12920.	5.2	12
42	Tri-rutile layered niobium-molybdates for all solid-state symmetric supercapacitors. Journal of Materials Chemistry A, 2020, 8, 20141-20150.	5.2	6
43	Vanadium Oxide Nanosheets for Flexible Dendrite-Free Hybrid Aluminium-Lithium Ion Batteries with Excellent Cycling Performance. Batteries and Supercaps, 2019, 2, 205-212.	2.4	5
44	Recent Advances and Prospects of Fiber-Shaped Rechargeable Aqueous Alkaline Batteries. Advanced Energy and Sustainability Research, 2021, 2, 2100060.	2.8	5
45	Strain Sensors: Extremely Stretchable Strain Sensors Based on Conductive Self-Healing Dynamic Cross-Links Hydrogels for Human Motion Detection (Adv. Sci. 2/2017). Advanced Science, 2017, 4, .	5.6	4
46	Zinc-Iron Hybrid Supercapacitors: Progress and Future Perspective. Batteries and Supercaps, 2021, 4, 1527-1528.	2.4	4
47	Supercapacitors: Highly Stable Transparent Conductive Silver Grid/PEDOT:PSS Electrodes for Integrated Bifunctional Flexible Electrochromic Supercapacitors (Adv. Energy Mater. 4/2016). Advanced Energy Materials, 2016, 6, n/a-n/a.	10.2	2
48	Capacitors: A High-Performance Lithium-Ion Capacitor Based on 2D Nanosheet Materials (Small 6/2017). Small, 2017, 13, .	5.2	2
49	Reversible Electrochemical Mirror Devices: A Quasi-Solid-State Tristate Reversible Electrochemical Mirror Device with Enhanced Stability (Adv. Sci. 13/2020). Advanced Science, 2020, 7, 2070073.	5.6	2
50	High-Capacity Iron-Based Anodes for Aqueous Secondary Nickel-Iron Batteries: Recent Progress and Prospects. ChemElectroChem, 2021, 8, 273-273.	1.7	2
51	Vanadium Oxide Nanosheets for Flexible Dendrite-Free Hybrid Aluminium-Lithium Ion Batteries with Excellent Cycling Performance. Batteries and Supercaps, 2019, 2, 180-180.	2.4	1
52	Foldable Electronic Devices: Highly Transparent Conducting Nanopaper for Solid State Foldable Electrochromic Devices (Small 46/2016). Small, 2016, 12, 6418-6418.	5.2	0
53	Batteries. , 2021, , 79-141.		0