Shancheng Wang

List of Publications by Year
in descending order

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31 papers	3,386 citations	430442 18 h-index	476904 29 g-index
31 all docs	31 docs citations	31 times ranked	3295 citing authors

#	Article	IF	Citations
1	Layerâ€byâ€Layer Alignment of Silver Nanowires for Transparent and Flexible Energyâ€Saving Windows. Advanced Materials Technologies, 2022, 7, 2100824.	3.0	5
2	Flexible smart photovoltaic foil for energy generation and conservation in buildings. Nano Energy, 2022, 91, 106632.	8.2	18
3	Durable vanadium dioxide with 33-year service life for smart windows applications. Materials Today Energy, 2022, 26, 100978.	2.5	20
4	On-Demand Solar and Thermal Radiation Management Based on Switchable Interwoven Surfaces. ACS Energy Letters, 2022, 7, 1758-1763.	8.8	39
5	Transparent Bamboo with High Radiative Cooling Targeting Energy Savings. , 2021, 3, 883-888.		30
6	Scalable thermochromic smart windows with passive radiative cooling regulation. Science, 2021, 374, 1501-1504.	6.0	339
7	Liquid Thermo-Responsive Smart Window Derived from Hydrogel. Joule, 2020, 4, 2458-2474.	11.7	218
8	Femtosecond Laser-Induced Vanadium Oxide Metamaterial Nanostructures and the Study of Optical Response by Experiments and Numerical Simulations. ACS Applied Materials & Interfaces, 2020, 12, 41905-41918.	4.0	21
9	Tunable Grain Orientation of Chalcogenide Film and Its Application for Second Harmonic Generation. ACS Applied Materials & Interfaces, 2020, 12, 29953-29958.	4.0	5
10	4D Printed Hydrogels: 4D Printed Hydrogels: Fabrication, Materials, and Applications (Adv. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.0	2
11	Smart Windows: 3D Printed Smart Windows for Adaptive Solar Modulations (Advanced Optical) Tj ETQq1 1 0.784314 rgBT /Overlock	3.6	0
12	3D Printed Smart Windows for Adaptive Solar Modulations. Advanced Optical Materials, 2020, 8, 2000013.	3.6	28
13	Hydrogel smart windows. Journal of Materials Chemistry A, 2020, 8, 10007-10025.	5.2	154
14	4D Printed Hydrogels: Fabrication, Materials, and Applications. Advanced Materials Technologies, 2020, 5, 2000034.	3.0	75
15	Trisulfideâ€Bond Acenes for Organic Batteries. Angewandte Chemie, 2019, 131, 13647-13655.	1.6	7
16	Trisulfideâ€Bond Acenes for Organic Batteries. Angewandte Chemie - International Edition, 2019, 58, 13513-13521.	7.2	28
17	Smart Windows: Electroâ€, Thermoâ€, Mechanoâ€, Photochromics, and Beyond. Advanced Energy Materials, 2019, 9, 1902066.	10.2	383
18	Smart Windows: Smart Windows: Electroâ€, Thermoâ€, Mechanoâ€, Photochromics, and Beyond (Adv. Energy) Tj ETQq0 0 0 rgBT /Over	10.2	12

#	Article	IF	Citations
19	Agent-assisted VSSe ternary alloy single crystals as an efficient stable electrocatalyst for the hydrogen evolution reaction. Journal of Materials Chemistry A, 2019, 7, 15714-15721.	5.2	26
20	Enhanced Transition-Temperature Reduction in a Half-Sphere <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mi>Au</mml:mi><mml:mo>/</mml:mo><mml:msub><mml:mi>VO</mml:mi><mml:mn>2</mml:mn></mml:msub> Core-Shell Structure: Local Plasmonics versus Induced Stress and PercolationÂEffects. Physical Review Applied, 2019, 11, .	4.6	18
21	Unpacking the toolbox of two-dimensional nanostructures derived from nanosphere templates. Materials Horizons, 2019, 6, 1380-1408.	6.4	16
22	Self-Assembled VO₂ Mesh Film-Based Resistance Switches with High Transparency and Abrupt ON/OFF Ratio. ACS Omega, 2019, 4, 19635-19640.	1.6	9
23	Highly Stretchable, Elastic, and Ionic Conductive Hydrogel for Artificial Soft Electronics. Advanced Functional Materials, 2019, 29, 1806220.	7.8	602
24	Emerging Thermalâ€Responsive Materials and Integrated Techniques Targeting the Energyâ€Efficient Smart Window Application. Advanced Functional Materials, 2018, 28, 1800113.	7.8	322
25	Impact of Câ€“HÂ·Â·Â·X (X = F, N) and Ïâ€“Ï€ Interactions on Tuning the Degree of Charge Transfer in F₆TNAP-Based Organic Binary Compound Single Crystals. Crystal Growth and Design, 2018, 18, 1776-1785.	1.4	40
26	Fully Printed Flexible Smart Hybrid Hydrogels. Advanced Functional Materials, 2018, 28, 1705365.	7.8	121
27	Vanadium dioxide for energy conservation and energy storage applications: Synthesis and performance improvement. Applied Energy, 2018, 211, 200-217.	5.1	118
28	Vanadium Dioxide: Vanadium Dioxide: The Multistimuli Responsive Material and Its Applications (Small) Tj ETQq0 0 0 rgBT /Overlock 10	5.2	2
29	Largely Lowered Transition Temperature of a VO₂/Carbon Hybrid Phase Change Material with High Thermal Emissivity Switching Ability and Near Infrared Regulations. Advanced Materials Interfaces, 2018, 5, 1801063.	1.9	30
30	Thermochromic VO2 for Energy-Efficient Smart Windows. Joule, 2018, 2, 1707-1746.	11.7	536
31	Vanadium Dioxide: The Multistimuli Responsive Material and Its Applications. Small, 2018, 14, e1802025.	5.2	167