

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	Highly Stretchable, Elastic, and Ionic Conductive Hydrogel for Artificial Soft Electronics. <i>Advanced Functional Materials</i> , 2019, 29, 1806220.	7.8	602
2	Thermochromic VO ₂ for Energy-Efficient Smart Windows. <i>Joule</i> , 2018, 2, 1707-1746.	11.7	536
3	Smart Windows: Electro-, Thermo-, Mechano-, Photochromics, and Beyond. <i>Advanced Energy Materials</i> , 2019, 9, 1902066.	10.2	383
4	Scalable thermochromic smart windows with passive radiative cooling regulation. <i>Science</i> , 2021, 374, 1501-1504.	6.0	339
5	Emerging Thermal-Responsive Materials and Integrated Techniques Targeting the Energy-Efficient Smart Window Application. <i>Advanced Functional Materials</i> , 2018, 28, 1800113.	7.8	322
6	Liquid Thermo-Responsive Smart Window Derived from Hydrogel. <i>Joule</i> , 2020, 4, 2458-2474.	11.7	218
7	Vanadium Dioxide: The Multistimuli Responsive Material and Its Applications. <i>Small</i> , 2018, 14, e1802025.	5.2	167
8	Hydrogel smart windows. <i>Journal of Materials Chemistry A</i> , 2020, 8, 10007-10025.	5.2	154
9	Fully Printed Flexible Smart Hybrid Hydrogels. <i>Advanced Functional Materials</i> , 2018, 28, 1705365.	7.8	121
10	Vanadium dioxide for energy conservation and energy storage applications: Synthesis and performance improvement. <i>Applied Energy</i> , 2018, 211, 200-217.	5.1	118
11	4D Printed Hydrogels: Fabrication, Materials, and Applications. <i>Advanced Materials Technologies</i> , 2020, 5, 2000034.	3.0	75
12	Impact of C-H...X (X = F, N) and π - π Interactions on Tuning the Degree of Charge Transfer in F ₆ TNAP-Based Organic Binary Compound Single Crystals. <i>Crystal Growth and Design</i> , 2018, 18, 1776-1785.	1.4	40
13	On-Demand Solar and Thermal Radiation Management Based on Switchable Interwoven Surfaces. <i>ACS Energy Letters</i> , 2022, 7, 1758-1763.	8.8	39
14	Largely Lowered Transition Temperature of a VO ₂ /Carbon Hybrid Phase Change Material with High Thermal Emissivity Switching Ability and Near Infrared Regulations. <i>Advanced Materials Interfaces</i> , 2018, 5, 1801063.	1.9	30
15	Transparent Bamboo with High Radiative Cooling Targeting Energy Savings. , 2021, 3, 883-888.		30
16	Trisulfide-Bond Acenes for Organic Batteries. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13513-13521.	7.2	28
17	3D Printed Smart Windows for Adaptive Solar Modulations. <i>Advanced Optical Materials</i> , 2020, 8, 2000013.	3.6	28
18	Agent-assisted VSSe ternary alloy single crystals as an efficient stable electrocatalyst for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15714-15721.	5.2	26

#	ARTICLE	IF	CITATIONS
19	Femtosecond Laser-Induced Vanadium Oxide Metamaterial Nanostructures and the Study of Optical Response by Experiments and Numerical Simulations. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 41905-41918.	4.0	21
20	Durable vanadium dioxide with 33-year service life for smart windows applications. <i>Materials Today Energy</i> , 2022, 26, 100978.	2.5	20
21	Flexible smart photovoltaic foil for energy generation and conservation in buildings. <i>Nano Energy</i> , 2022, 91, 106632.	8.2	18
22	Unpacking the toolbox of two-dimensional nanostructures derived from nanosphere templates. <i>Materials Horizons</i> , 2019, 6, 1380-1408.	6.4	16
23	Enhanced Transition-Temperature Reduction in a Half-Sphere VO_2 Core-Shell Structure: Local Plasmonics versus Induced Stress and Percolation Effects. <i>Physical Review Applied</i> , 2019, 11, .	10.2	12
24	Smart Windows: Smart Windows: Electrochromic, Thermochromic, Mechanochromic, Photochromics, and Beyond (<i>Adv. Energy</i>)	10.2	12
25	Self-Assembled VO_2 Mesh Film-Based Resistance Switches with High Transparency and Abrupt ON/OFF Ratio. <i>ACS Omega</i> , 2019, 4, 19635-19640.	1.6	9
26	Trisulfide-Bond Acenes for Organic Batteries. <i>Angewandte Chemie</i> , 2019, 131, 13647-13655.	1.6	7
27	Tunable Grain Orientation of Chalcogenide Film and Its Application for Second Harmonic Generation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 29953-29958.	4.0	5
28	Layer-by-Layer Alignment of Silver Nanowires for Transparent and Flexible Energy-Saving Windows. <i>Advanced Materials Technologies</i> , 2022, 7, 2100824.	3.0	5
29	Vanadium Dioxide: Vanadium Dioxide: The Multistimuli Responsive Material and Its Applications (Small)	3.2	2
30	4D Printed Hydrogels: 4D Printed Hydrogels: Fabrication, Materials, and Applications (<i>Adv. Mater.</i>)	3.0	2
31	Smart Windows: 3D Printed Smart Windows for Adaptive Solar Modulations (<i>Advanced Optical</i>)	3.6	0