

Yujie Ke

List of Publications by Year in descending order

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36
papers

2,826
citations

361045

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h-index

395343

33
g-index

36
all docs

36
docs citations

36
times ranked

3189
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible smart photovoltaic foil for energy generation and conservation in buildings. Nano Energy, 2022, 91, 106632.	8.2	18
2	Tetra-Fish-Inspired aesthetic thermochromic windows toward Energy-Saving buildings. Applied Energy, 2022, 315, 119053.	5.1	19
3	On-Demand Solar and Thermal Radiation Management Based on Switchable Interwoven Surfaces. ACS Energy Letters, 2022, 7, 1758-1763.	8.8	39
4	Mg-Doped VO ₂ @ZrO ₂ Core-Shell Nanoflakes for Thermochromic Smart Windows with Enhanced Performance. Advanced Materials Interfaces, 2021, 8, .	1.9	18
5	On-off near-infrared absorbance based on thermal-responsive plasmonic coupling in vanadium dioxide arrays for thermochromic windows. Optics Express, 2021, 29, 9324.	1.7	5
6	Anisotropic localized surface plasmon resonance of vanadium dioxide rods in flexible thermochromic film towards multifunctionality. Solar Energy Materials and Solar Cells, 2021, 230, 111163.	3.0	16
7	Manipulating atomic defects in plasmonic vanadium dioxide for superior solar and thermal management. Materials Horizons, 2021, 8, 1700-1710.	6.4	13
8	4D Printed Hydrogels: Fabrication, Materials, and Applications (Adv. Mater.)	3.0	2
9	Smart Windows: 3D Printed Smart Windows for Adaptive Solar Modulations (Advanced Optical)	3.6	0
10	3D Printed Smart Windows for Adaptive Solar Modulations. Advanced Optical Materials, 2020, 8, 2000013.	3.6	28
11	4D Printed Hydrogels: Fabrication, Materials, and Applications. Advanced Materials Technologies, 2020, 5, 2000034.	3.0	75
12	Cephalopod-inspired versatile design based on plasmonic VO ₂ nanoparticle for energy-efficient mechano-thermochromic windows. Nano Energy, 2020, 73, 104785.	8.2	74
13	Smart Windows: Electro-, Thermo-, Mechano-, Photochromics, and Beyond. Advanced Energy Materials, 2019, 9, 1902066.	10.2	383
14	Smart Windows: Electro-, Thermo-, Mechano-, Photochromics, and Beyond (Adv. Energy)	10.2	12
15	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
16	Unpacking the toolbox of two-dimensional nanostructures derived from nanosphere templates. Materials Horizons, 2019, 6, 1380-1408.	6.4	16
17	Adaptive Thermochromic Windows from Active Plasmonic Elastomers. Joule, 2019, 3, 858-871.	11.7	128
18	Emerging Thermal-Responsive Materials and Integrated Techniques Targeting the Energy-Efficient Smart Window Application. Advanced Functional Materials, 2018, 28, 1800113.	7.8	322

#	ARTICLE	IF	CITATIONS
19	Enhanced oxidation of arsenite to arsenate using tunable K ⁺ concentration in the OMS-2 tunnel. Environmental Pollution, 2018, 238, 524-531.	3.7	11
20	Fully Printed Flexible Smart Hybrid Hydrogels. Advanced Functional Materials, 2018, 28, 1705365.	7.8	121
21	Vanadium dioxide for energy conservation and energy storage applications: Synthesis and performance improvement. Applied Energy, 2018, 211, 200-217.	5.1	118
22	Vanadium Dioxide: Vanadium Dioxide: The Multistimuli Responsive Material and Its Applications (Small) Tj ETQq0 0,0,rgBT /Oylock 10	5.2	2
23	Largely Lowered Transition Temperature of a VO ₂ /Carbon Hybrid Phase Change Material with High Thermal Emissivity Switching Ability and Near Infrared Regulations. Advanced Materials Interfaces, 2018, 5, 1801063.	1.9	30
24	Thermochromic VO ₂ for Energy-Efficient Smart Windows. Joule, 2018, 2, 1707-1746.	11.7	536
25	Controlled Porosity in Thermochromic Coatings. , 2018, , .		0
26	Molecular Engineering toward Coexistence of Dielectric and Optical Switch Behavior in Hybrid Perovskite Phase Transition Material. Journal of Physical Chemistry A, 2018, 122, 6416-6423.	1.1	25
27	A skin-like stretchable colorimetric temperature sensor. Science China Materials, 2018, 61, 969-976.	3.5	20
28	Vanadium Dioxide: The Multistimuli Responsive Material and Its Applications. Small, 2018, 14, e1802025.	5.2	167
29	Design of a 4-level active photonics phase change switch using VO ₂ and Ge ₂ Sb ₂ Te ₅ . Applied Physics Letters, 2018, 113, .	1.5	34
30	Controllable Fabrication of Two-Dimensional Patterned VO ₂ Nanoparticle, Nanodome, and Nanonet Arrays with Tunable Temperature-Dependent Localized Surface Plasmon Resonance. ACS Nano, 2017, 11, 7542-7551.	7.3	152
31	Two-Dimensional SiO ₂ /VO ₂ Photonic Crystals with Statically Visible and Dynamically Infrared Modulated for Smart Window Deployment. ACS Applied Materials & Interfaces, 2016, 8, 33112-33120.	4.0	153
32	Synthesis of ZnInS Quantum Dots with Tunable Composition and Optical Properties. ChemPhysChem, 2016, 17, 687-691.	1.0	14
33	Size-, Shape-, and Composition-Controlled Synthesis and Localized Surface Plasmon Resonance of Copper Tin Selenide Nanocrystals. Chemistry of Materials, 2015, 27, 3378-3388.	3.2	54
34	Cu-Deficient Plasmonic Cu _{2-x} S Nanoplate Electrocatalysts for Oxygen Reduction. ACS Catalysis, 2015, 5, 2534-2540.	5.5	81
35	Size-controlled large-diameter and few-walled carbon nanotube catalysts for oxygen reduction. Nanoscale, 2015, 7, 20290-20298.	2.8	112
36	Active Plasmonics in Kirigami Configurations Toward High-Performance Smart Windows. SSRN Electronic Journal, 0, , .	0.4	2