

# Yujie Ke

## List of Publications by Year in descending order

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36  
papers

2,826  
citations

361045

20  
h-index

395343

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36  
docs citations

36  
times ranked

3189  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermochromic VO <sub>2</sub> for Energy-Efficient Smart Windows. <i>Joule</i> , 2018, 2, 1707-1746.	11.7	536
2	Smart Windows: Electrochromic, Thermochromic, Mechanochromic, Photochromics, and Beyond. <i>Advanced Energy Materials</i> , 2019, 9, 1902066.	10.2	383
3	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
4	Vanadium Dioxide: The Multistimuli Responsive Material and Its Applications. <i>Small</i> , 2018, 14, e1802025.	5.2	167
5	Two-Dimensional SiO <sub>2</sub> /VO <sub>2</sub> Photonic Crystals with Statically Visible and Dynamically Infrared Modulated for Smart Window Deployment. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 33112-33120.	4.0	153
6	Controllable Fabrication of Two-Dimensional Patterned VO <sub>2</sub> Nanoparticle, Nanodome, and Nanonet Arrays with Tunable Temperature-Dependent Localized Surface Plasmon Resonance. <i>ACS Nano</i> , 2017, 11, 7542-7551.	7.3	152
7	Adaptive Thermochromic Windows from Active Plasmonic Elastomers. <i>Joule</i> , 2019, 3, 858-871.	11.7	128
8	Fully Printed Flexible Smart Hybrid Hydrogels. <i>Advanced Functional Materials</i> , 2018, 28, 1705365.	7.8	121
9	Vanadium dioxide for energy conservation and energy storage applications: Synthesis and performance improvement. <i>Applied Energy</i> , 2018, 211, 200-217.	5.1	118
10	Size-controlled large-diameter and few-walled carbon nanotube catalysts for oxygen reduction. <i>Nanoscale</i> , 2015, 7, 20290-20298.	2.8	112
11	Cu-Deficient Plasmonic Cu <sub>2-x</sub> S Nanoplate Electrocatalysts for Oxygen Reduction. <i>ACS Catalysis</i> , 2015, 5, 2534-2540.	5.5	81
12	4D Printed Hydrogels: Fabrication, Materials, and Applications. <i>Advanced Materials Technologies</i> , 2020, 5, 2000034.	3.0	75
13	Cephalopod-inspired versatile design based on plasmonic VO <sub>2</sub> nanoparticle for energy-efficient mechano-thermochromic windows. <i>Nano Energy</i> , 2020, 73, 104785.	8.2	74
14	Size-, Shape-, and Composition-Controlled Synthesis and Localized Surface Plasmon Resonance of Copper Tin Selenide Nanocrystals. <i>Chemistry of Materials</i> , 2015, 27, 3378-3388.	3.2	54
15	On-Demand Solar and Thermal Radiation Management Based on Switchable Interwoven Surfaces. <i>ACS Energy Letters</i> , 2022, 7, 1758-1763.	8.8	39
16	Design of a 4-level active photonics phase change switch using VO <sub>2</sub> and Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> . <i>Applied Physics Letters</i> , 2018, 113, .	1.5	34
17	Largely Lowered Transition Temperature of a VO <sub>2</sub> /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
18	3D Printed Smart Windows for Adaptive Solar Modulations. <i>Advanced Optical Materials</i> , 2020, 8, 2000013.	3.6	28

#	ARTICLE	IF	CITATIONS
19	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
20	Molecular Engineering toward Coexistence of Dielectric and Optical Switch Behavior in Hybrid Perovskite Phase Transition Material. <i>Journal of Physical Chemistry A</i> , 2018, 122, 6416-6423.	1.1	25
21	A skin-like stretchable colorimetric temperature sensor. <i>Science China Materials</i> , 2018, 61, 969-976.	3.5	20
22	Tetra-Fish-Inspired aesthetic thermochromic windows toward Energy-Saving buildings. <i>Applied Energy</i> , 2022, 315, 119053.	5.1	19
23	Mg <sup>2+</sup> -Doped VO <sub>2</sub> @ZrO <sub>2</sub> Core-Shell Nanoflakes for Thermochromic Smart Windows with Enhanced Performance. <i>Advanced Materials Interfaces</i> , 2021, 8, .	1.9	18
24	Flexible smart photovoltaic foil for energy generation and conservation in buildings. <i>Nano Energy</i> , 2022, 91, 106632.	8.2	18
25	Unpacking the toolbox of two-dimensional nanostructures derived from nanosphere templates. <i>Materials Horizons</i> , 2019, 6, 1380-1408.	6.4	16
26	Anisotropic localized surface plasmon resonance of vanadium dioxide rods in flexible thermochromic film towards multifunctionality. <i>Solar Energy Materials and Solar Cells</i> , 2021, 230, 111163.	3.0	16
27	Synthesis of Zn <sup>2+</sup> /In <sup>3+</sup> S Quantum Dots with Tunable Composition and Optical Properties. <i>ChemPhysChem</i> , 2016, 17, 687-691.	1.0	14
28	Manipulating atomic defects in plasmonic vanadium dioxide for superior solar and thermal management. <i>Materials Horizons</i> , 2021, 8, 1700-1710.	6.4	13
29	Smart Windows: Smart Windows: Electro <sup>+</sup> , Thermo <sup>+</sup> , Mechano <sup>+</sup> , Photochromics, and Beyond ( <i>Adv. Energy</i> ) Tj ETQq1 1 0.784314 rgBT <sub>2</sub> /Overlock 10	10.2	12
30	Enhanced oxidation of arsenite to arsenate using tunable K <sup>+</sup> concentration in the OMS-2 tunnel. <i>Environmental Pollution</i> , 2018, 238, 524-531.	3.7	11
31	On-off near-infrared absorbance based on thermal-responsive plasmonic coupling in vanadium dioxide arrays for thermochromic windows. <i>Optics Express</i> , 2021, 29, 9324.	1.7	5
32	Vanadium Dioxide: Vanadium Dioxide: The Multistimuli Responsive Material and Its Applications (Small) Tj ETQq0 0 0 rgBT <sub>2</sub> /Overlock 10	9.2	2
33	4D Printed Hydrogels: 4D Printed Hydrogels: Fabrication, Materials, and Applications ( <i>Adv. Mater.</i> ) Tj ETQq1 1 0.784314 rgBT <sub>2</sub> /Overlock 10	3.0	2
34	Active Plasmonics in Kirigami Configurations Toward High-Performance Smart Windows. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
35	Controlled Porosity in Thermochromic Coatings. , 2018, , .		0
36	Smart Windows: 3D Printed Smart Windows for Adaptive Solar Modulations ( <i>Advanced Optical</i> ) Tj ETQq0 0 0 rgBT <sub>2</sub> /Overlock 10 Tf 50 6	3.6	0