

# Yaokang Zhang

## List of Publications by Year in descending order

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21  
papers

1,327  
citations

567281

15  
h-index

713466

21  
g-index

21  
all docs

21  
docs citations

21  
times ranked

2165  
citing authors

#	ARTICLE	IF	CITATIONS
1	Solution process formation of high performance, stable nanostructured transparent metal electrodes via displacement-diffusion-etch process. <i>Npj Flexible Electronics</i> , 2022, 6, .	10.7	12
2	Inkjet-Printed Xerogel Scaffolds Enabled Room-Temperature Fabrication of High-Quality Metal Electrodes for Flexible Electronics. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	9
3	Tandem Self-Powered Flexible Electrochromic Energy Supplier for Sustainable All-Day Operations. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	17
4	Stretchable ITO-Free Organic Solar Cells with Intrinsic Anti-Reflection Substrate for High-Efficiency Outdoor and Indoor Energy Harvesting. <i>Advanced Functional Materials</i> , 2021, 31, 2010172.	14.9	53
5	Metal-Based Flexible Transparent Electrodes: Challenges and Recent Advances. <i>Advanced Electronic Materials</i> , 2021, 7, 2001121.	5.1	79
6	Polymer-Assisted Metallization of Mammalian Cells. <i>Advanced Materials</i> , 2021, 33, e2102348.	21.0	12
7	Zwitterionic-Surfactant-Assisted Room-Temperature Coating of Efficient Perovskite Solar Cells. <i>Joule</i> , 2020, 4, 2404-2425.	24.0	137
8	Efficient Flexible Perovskite Solar Cells Using Low-Cost Cu Top and Bottom Electrodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 26050-26059.	8.0	26
9	Solution-Processed Transparent Electrodes for Emerging Thin-Film Solar Cells. <i>Chemical Reviews</i> , 2020, 120, 2049-2122.	47.7	152
10	Polymer-Assisted Metal Deposition (PAMD) for Flexible and Wearable Electronics: Principle, Materials, Printing, and Devices. <i>Advanced Materials</i> , 2019, 31, e1902987.	21.0	128
11	Vacuum-free fabrication of high-performance semitransparent perovskite solar cells via e-glue assisted lamination process. <i>Science China Chemistry</i> , 2019, 62, 875-882.	8.2	7
12	Strategies for high performance perovskite/crystalline silicon four-terminal tandem solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2018, 179, 36-44.	6.2	31
13	Interfacial engineering of printable bottom back metal electrodes for full-solution processed flexible organic solar cells. <i>Journal of Semiconductors</i> , 2018, 39, 014002.	3.7	11
14	Chemical formation of soft metal electrodes for flexible and wearable electronics. <i>Chemical Society Reviews</i> , 2018, 47, 4611-4641.	38.1	245
15	Fully Solution-Processed TCO-Free Semitransparent Perovskite Solar Cells for Tandem and Flexible Applications. <i>Advanced Energy Materials</i> , 2018, 8, 1701569.	19.5	77
16	Flexible and Stretchable Perovskite Solar Cells: Device Design and Development Methods. <i>Small Methods</i> , 2018, 2, 1800031.	8.6	71
17	Versatile biomimetic haze films for efficiency enhancement of photovoltaic devices. <i>Journal of Materials Chemistry A</i> , 2017, 5, 969-974.	10.3	56
18	Photoreactive and Metal-Platable Copolymer Inks for High-Throughput, Room-Temperature Printing of Flexible Metal Electrodes for Thin-Film Electronics. <i>Advanced Materials</i> , 2016, 28, 4926-4934.	21.0	77

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19	Printed light-trapping nanorelief Cu electrodes for full-solution-processed flexible organic solar cells. <i>Materials Research Express</i> , 2016, 3, 074006.	1.6	2
20	Bio-inspired Chemical Fabrication of Stretchable Transparent Electrodes. <i>Small</i> , 2015, 11, 3444-3449.	10.0	58
21	Full-solution Processed Flexible Organic Solar Cells Using Low-cost Printable Copper Electrodes. <i>Advanced Materials</i> , 2014, 26, 7271-7278.	21.0	67