

# Guofa Cai

## List of Publications by Citations

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32  
papers

2,830  
citations

20  
h-index

34  
g-index

34  
ext. papers

3,463  
ext. citations

13.5  
avg, IF

5.58  
L-index

#	Paper	IF	Citations
32	Extremely Stretchable Strain Sensors Based on Conductive Self-Healing Dynamic Cross-Links Hydrogels for Human-Motion Detection. <i>Advanced Science</i> , <b>2017</b> , 4, 1600190	13.6	506
31	Next-Generation Multifunctional Electrochromic Devices. <i>Accounts of Chemical Research</i> , <b>2016</b> , 49, 1469-1473	16.3	345
30	Highly Stable Transparent Conductive Silver Grid/PEDOT:PSS Electrodes for Integrated Bifunctional Flexible Electrochromic Supercapacitors. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1501882	21.8	307
29	Extremely stretchable and self-healing conductor based on thermoplastic elastomer for all-three-dimensional printed triboelectric nanogenerator. <i>Nature Communications</i> , <b>2019</b> , 10, 2158	17.4	188
28	Inkjet Printed Large Area Multifunctional Smart Windows. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1602598	21.8	180
27	Ultra-large optical modulation of electrochromic porous WO film and the local monitoring of redox activity. <i>Chemical Science</i> , <b>2016</b> , 7, 1373-1382	9.4	153
26	Printable Superelastic Conductors with Extreme Stretchability and Robust Cycling Endurance Enabled by Liquid-Metal Particles. <i>Advanced Materials</i> , <b>2018</b> , 30, e1706157	24	150
25	Extremely Stretchable Electroluminescent Devices with Ionic Conductors. <i>Advanced Materials</i> , <b>2016</b> , 28, 4490-6	24	146
24	Inkjet-printed all solid-state electrochromic devices based on NiO/WO <sub>3</sub> nanoparticle complementary electrodes. <i>Nanoscale</i> , <b>2016</b> , 8, 348-57	7.7	127
23	Hexagonal Boron Nitride Thin Film for Flexible Resistive Memory Applications. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 2176-2184	15.6	119
22	Leaf-inspired multiresponsive MXene-based actuator for programmable smart devices. <i>Science Advances</i> , <b>2019</b> , 5, eaaw7956	14.3	113
21	Direct Observation of Indium Conductive Filaments in Transparent, Flexible, and Transferable Resistive Switching Memory. <i>ACS Nano</i> , <b>2017</b> , 11, 1712-1718	16.7	71
20	Recent Advances in Electrochromic Smart Fenestration. <i>Advanced Sustainable Systems</i> , <b>2017</b> , 1, 1700074	5.9	67
19	A High-Performance Lithium-Ion Capacitor Based on 2D Nanosheet Materials. <i>Small</i> , <b>2017</b> , 13, 1602893	11	61
18	Direct Observation of Conducting Filaments in Tungsten Oxide Based Transparent Resistive Switching Memory. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 27885-27891	9.5	57
17	Molecular Level Assembly for High-Performance Flexible Electrochromic Energy-Storage Devices. <i>ACS Energy Letters</i> , <b>2020</b> , 5, 1159-1166	20.1	54
16	Spray coated ultrathin films from aqueous tungsten molybdenum oxide nanoparticle ink for high contrast electrochromic applications. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 33-38	7.1	53

15	Inkjet-printed metal oxide nanoparticles on elastomer for strain-adaptive transmissive electrochromic energy storage systems. <i>Science and Technology of Advanced Materials</i> , <b>2018</b> , 19, 759-770 <sup>7.1</sup>	24
14	A copper-based reversible electrochemical mirror device with switchability between transparent, blue, and mirror states. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 6547-6554	7.1 22
13	Diphylleia grayi-Inspired Stretchable Hydrochromics with Large Optical Modulation in the Visible-Near-Infrared Region. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 37685-37693	9.5 20
12	A semitransparent snake-like tactile and olfactory bionic sensor with reversibly stretchable properties. <i>NPG Asia Materials</i> , <b>2017</b> , 9, e437-e437	10.3 16
11	Microstructured capacitive sensor with broad detection range and long-term stability for human activity detection. <i>Npj Flexible Electronics</i> , <b>2021</b> , 5,	10.7 12
10	Electrochromics for Printed Displays and Smart Windows <b>2017</b> , 317-339	8
9	Tunable Intracrystal Cavity in Tungsten Bronze-Like Bimetallic Oxides for Electrochromic Energy Storage. <i>Advanced Energy Materials</i> , 2103106	21.8 7
8	Growth of a porous NiCoO <sub>2</sub> nanowire network for transparent-to-brownish grey electrochromic smart windows with wide-band optical modulation. <i>Journal of Materials Chemistry C</i> ,	7.1 7
7	Strain Sensors: Extremely Stretchable Strain Sensors Based on Conductive Self-Healing Dynamic Cross-Links Hydrogels for Human-Motion Detection (Adv. Sci. 2/2017). <i>Advanced Science</i> , <b>2017</b> , 4,	13.6 4
6	Flexible electrochromic fiber with rapid color switching and high optical modulation. <i>Nano Research</i> , 1	10 4
5	Conductive Silver Grid Electrode for Flexible and Transparent Memristor Applications. <i>Advanced Electronic Materials</i> , <b>2021</b> , 7, 2000948	6.4 4
4	Supercapacitors: Highly Stable Transparent Conductive Silver Grid/PEDOT:PSS Electrodes for Integrated Bifunctional Flexible Electrochromic Supercapacitors (Adv. Energy Mater. 4/2016). <i>Advanced Energy Materials</i> , <b>2016</b> , 6, n/a-n/a	21.8 2
3	Capacitors: A High-Performance Lithium-Ion Capacitor Based on 2D Nanosheet Materials (Small 6/2017). <i>Small</i> , <b>2017</b> , 13,	11 1
2	Electroluminescent Devices: Extremely Stretchable Electroluminescent Devices with Ionic Conductors (Adv. Mater. 22/2016). <i>Advanced Materials</i> , <b>2016</b> , 28, 4489	24 1
1	Constructed Ag NW@Bi/Al core-shell nano-architectures for high-performance flexible and transparent energy storage device. <i>Nanoscale</i> , <b>2020</b> , 12, 19308-19316	7.7 0