

Jiangxin Wang

List of Publications by Year in descending order

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57
papers

8,664
citations

94269

37
h-index

138251

58
g-index

59
all docs

59
docs citations

59
times ranked

11479
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Stretchable Piezoresistive Grapheneâ€“Nanocellulose Nanopaper for Strain Sensors. <i>Advanced Materials</i> , 2014, 26, 2022-2027.	11.1	1,009
2	Extremely Stretchable Strain Sensors Based on Conductive Selfâ€“Healing Dynamic Crossâ€“Links Hydrogels for Humanâ€“Motion Detection. <i>Advanced Science</i> , 2017, 4, 1600190.	5.6	728
3	Next-Generation Multifunctional Electrochromic Devices. <i>Accounts of Chemical Research</i> , 2016, 49, 1469-1476.	7.6	516
4	Skin-touch-actuated textile-based triboelectric nanogenerator with black phosphorus for durable biomechanical energy harvesting. <i>Nature Communications</i> , 2018, 9, 4280.	5.8	433
5	Stretchable and Wearable Electrochromic Devices. <i>ACS Nano</i> , 2014, 8, 316-322.	7.3	399
6	Highly Stable Transparent Conductive Silver Grid/PEDOT:PSS Electrodes for Integrated Bifunctional Flexible Electrochromic Supercapacitors. <i>Advanced Energy Materials</i> , 2016, 6, 1501882.	10.2	391
7	Electrochromo-supercapacitor based on direct growth of NiO nanoparticles. <i>Nano Energy</i> , 2015, 12, 258-267.	8.2	360
8	Stretchable Graphene Thermistor with Tunable Thermal Index. <i>ACS Nano</i> , 2015, 9, 2130-2137.	7.3	293
9	Enhanced Piezoelectric Energy Harvesting Performance of Flexible PVDF-TrFE Bilayer Films with Graphene Oxide. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 521-529.	4.0	284
10	Flexible and Highly Scalable V₂O₅â€“rGO Electrodes in an Organic Electrolyte for Supercapacitor Devices. <i>Advanced Energy Materials</i> , 2014, 4, 1400236.	10.2	276
11	Sulfidation of NiMnâ€“Layered Double Hydroxides/Graphene Oxide Composites toward Supercapacitor Electrodes with Enhanced Performance. <i>Advanced Energy Materials</i> , 2016, 6, 1501745.	10.2	254
12	Highly Stretchable and Selfâ€“Deformable Alternating Current Electroluminescent Devices. <i>Advanced Materials</i> , 2015, 27, 2876-2882.	11.1	238
13	Wearable Allâ€“Fabricâ€“Based Triboelectric Generator for Water Energy Harvesting. <i>Advanced Energy Materials</i> , 2017, 7, 1701243.	10.2	220
14	Core-shell nanofiber mats for tactile pressure sensor and nanogenerator applications. <i>Nano Energy</i> , 2018, 44, 248-255.	8.2	216
15	Printable Superelastic Conductors with Extreme Stretchability and Robust Cycling Endurance Enabled by Liquidâ€“Metal Particles. <i>Advanced Materials</i> , 2018, 30, e1706157.	11.1	208
16	Ultra-large optical modulation of electrochromic porous WO₃ film and the local monitoring of redox activity. <i>Chemical Science</i> , 2016, 7, 1373-1382.	3.7	198
17	Extremely Stretchable Electroluminescent Devices with Ionic Conductors. <i>Advanced Materials</i> , 2016, 28, 4490-4496.	11.1	193
18	Hexagonal Boron Nitride Thin Film for Flexible Resistive Memory Applications. <i>Advanced Functional Materials</i> , 2016, 26, 2176-2184.	7.8	167

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19	Inorganic-organic hybrid polymer with multiple redox for high-density data storage. <i>Chemical Science</i> , 2014, 5, 3404-3408.	3.7	164
20	An Intrinsically Stretchable Nanowire Photodetector with a Fully Embedded Structure. <i>Advanced Materials</i> , 2014, 26, 943-950.	11.1	163
21	Deformable conductors for human-machine interface. <i>Materials Today</i> , 2018, 21, 508-526.	8.3	163
22	Recent Progress in Artificial Muscles for Interactive Soft Robotics. <i>Advanced Materials</i> , 2021, 33, e2003088.	11.1	139
23	A Stretchable and Transparent Nanocomposite Nanogenerator for Self-Powered Physiological Monitoring. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 42200-42209.	4.0	131
24	Stretchable Silver-Zinc Batteries Based on Embedded Nanowire Elastic Conductors. <i>Advanced Energy Materials</i> , 2014, 4, 1301396.	10.2	127
25	Molecular Level Assembly for High-Performance Flexible Electrochromic Energy-Storage Devices. <i>ACS Energy Letters</i> , 2020, 5, 1159-1166.	8.8	126
26	Synthesis, Characterization, and Non-Volatile Memory Device Application of an N-Substituted Heteroacene. <i>Chemistry - an Asian Journal</i> , 2014, 9, 779-783.	1.7	123
27	High-efficiency transfer of percolating nanowire films for stretchable and transparent photodetectors. <i>Nanoscale</i> , 2014, 6, 10734-10739.	2.8	99
28	Fast charging self-powered electric double layer capacitor. <i>Journal of Power Sources</i> , 2017, 342, 70-78.	4.0	98
29	A Deformable and Highly Robust Ethyl Cellulose Transparent Conductor with a Scalable Silver Nanowires Bundle Micromesh. <i>Advanced Materials</i> , 2018, 30, e1802803.	11.1	95
30	Self-healable sticky porous elastomer for gas-solid interacted power generation. <i>Science Advances</i> , 2020, 6, eabb4246.	4.7	88
31	Direct Observation of Indium Conductive Filaments in Transparent, Flexible, and Transferable Resistive Switching Memory. <i>ACS Nano</i> , 2017, 11, 1712-1718.	7.3	83
32	A High-Performance Lithium-Ion Capacitor Based on 2D Nanosheet Materials. <i>Small</i> , 2017, 13, 1602893.	5.2	70
33	Rewritable Multilevel Memory Performance of a Tetraazatetracene Donor-Acceptor Derivative with Good Endurance. <i>Chemistry - an Asian Journal</i> , 2015, 10, 116-119.	1.7	65
34	Coaxial Ag-base metal nanowire networks with high electrochemical stability for transparent and stretchable asymmetric supercapacitors. <i>Nanoscale Horizons</i> , 2017, 2, 199-204.	4.1	63
35	Topotactic Phase Transformation of Hexagonal MoO ₃ to Layered MoO ₃ -II and Its Two-Dimensional (2D) Nanosheets. <i>Chemistry of Materials</i> , 2014, 26, 5533-5539.	3.2	55
36	Holey graphene-wrapped porous TiNb ₂ O ₆ microparticles as high-performance intercalation pseudocapacitive anode materials for lithium-ion capacitors. <i>NPG Asia Materials</i> , 2018, 10, 406-416.	3.8	55

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37	Solution-assembled nanowires for high performance flexible and transparent solar-blind photodetectors. <i>Journal of Materials Chemistry C</i> , 2015, 3, 596-600.	2.7	45
38	A Nonpresodiate Sodium-Ion Capacitor with High Performance. <i>Small</i> , 2018, 14, e1804035.	5.2	36
39	Progress and Prospects in Stretchable Electroluminescent Devices. <i>Nanophotonics</i> , 2017, 6, 435-451.	2.9	35
40	A Tailorable Spray-Assembly Strategy of Silver Nanowires-Bundle Mesh for Transferable High-Performance Transparent Conductor. <i>Advanced Functional Materials</i> , 2021, 31, .	7.8	32
41	Anisotropic conductive networks for multidimensional sensing. <i>Materials Horizons</i> , 2021, 8, 2615-2653.	6.4	30
42	<i>Diphyllia grayi</i> -Inspired Stretchable Hydrochromics with Large Optical Modulation in the Visible-Near-Infrared Region. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 37685-37693.	4.0	29
43	Stretchable and Wearable Resistive Switching Random-Access Memory. <i>Advanced Intelligent Systems</i> , 2020, 2, 2000007.	3.3	24
44	A semitransparent snake-like tactile and olfactory bionic sensor with reversibly stretchable properties. <i>NPG Asia Materials</i> , 2017, 9, e437-e437.	3.8	22
45	Reconfigurable and programmable origami dielectric elastomer actuators with 3D shape morphing and emissive architectures. <i>NPG Asia Materials</i> , 2019, 11, .	3.8	21
46	Ultra-high temperature tolerant flexible transparent electrode with embedded silver nanowires bundle micromesh for electrical heater. <i>Npj Flexible Electronics</i> , 2022, 6, .	5.1	21
47	Zn ₂ GeO ₄ Nanowires As Efficient Electron Injection Material for Electroluminescent Devices. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 6793-6796.	4.0	17
48	Graphene: Highly Stretchable Piezoresistive Graphene-Nanocellulose Nanopaper for Strain Sensors (<i>Adv. Mater.</i> 13/2014). <i>Advanced Materials</i> , 2014, 26, 1950-1950.	11.1	17
49	Inkjet-Printed Iontronics for Transparent, Elastic, and Strain-Insensitive Touch Sensing Matrix. <i>Advanced Intelligent Systems</i> , 2020, 2, 2000088.	3.3	15
50	Synthesis, Characterization, and Memory Performance of Two Phenazine/Triphenylamine-Based Organic Small Molecules through Donor-Acceptor Design. <i>Asian Journal of Organic Chemistry</i> , 2015, 4, 646-651.	1.3	13
51	Strain Sensors: Extremely Stretchable Strain Sensors Based on Conductive Self-Healing Dynamic Cross-Links Hydrogels for Human-Motion Detection (<i>Adv. Sci.</i> 2/2017). <i>Advanced Science</i> , 2017, 4, .	5.6	4
52	Electroluminescent Devices: Highly Stretchable and Self-Deformable Alternating Current Electroluminescent Devices (<i>Adv. Mater.</i> 18/2015). <i>Advanced Materials</i> , 2015, 27, 2947-2947.	11.1	3
53	Supercapacitors: Highly Stable Transparent Conductive Silver Grid/PEDOT:PSS Electrodes for Integrated Bifunctional Flexible Electrochromic Supercapacitors (<i>Adv. Energy Mater.</i> 4/2016). <i>Advanced Energy Materials</i> , 2016, 6, n/a-n/a.	10.2	2
54	Capacitors: A High-Performance Lithium-Ion Capacitor Based on 2D Nanosheet Materials (<i>Small</i> 6/2017). <i>Small</i> , 2017, 13, .	5.2	2

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55	Artificial Muscles: Recent Progress in Artificial Muscles for Interactive Soft Robotics (Adv. Mater.) Tj ETQq1 1 0.784314 rgBT /Overlock	11.1	2
56	Electroluminescent Devices: Extremely Stretchable Electroluminescent Devices with Ionic Conductors (Adv. Mater. 22/2016). Advanced Materials, 2016, 28, 4489-4489.	11.1	1
57	Nanowire Photodetectors: An Intrinsically Stretchable Nanowire Photodetector with a Fully Embedded Structure (Adv. Mater. 6/2014). Advanced Materials, 2014, 26, 979-979.	11.1	0