

# Cheng-Peng Jiang

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

551  
citations

567281

15  
h-index

752698

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

735  
citing authors

#	ARTICLE	IF	CITATIONS
1	Patterned arrays of assembled nanoparticles prepared by interfacial assembly and femtosecond laser fabrication. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	1.9	76
2	A multifunctional skin-like wearable optical sensor based on an optical micro-/nanofibre. <i>Nanoscale</i> , 2020, 12, 17538-17544.	5.6	66
3	Ultrafast-response/recovery capacitive humidity sensor based on arc-shaped hollow structure with nanocone arrays for human physiological signals monitoring. <i>Sensors and Actuators B: Chemical</i> , 2021, 334, 129637.	7.8	58
4	Fully Elastomeric Fingerprint-Shaped Electronic Skin Based on Tunable Patterned Graphene/Silver Nanocomposites. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 31725-31737.	8.0	42
5	Magnetically assembled iron oxide nanoparticle coatings and their integration with pseudo-spin-valve thin films. <i>Journal of Materials Chemistry C</i> , 2017, 5, 252-263.	5.5	40
6	Fingerâ€‘Skinâ€‘Inspired Flexible Optical Sensor for Force Sensing and Slip Detection in Robotic Grasping. <i>Advanced Materials Technologies</i> , 2021, 6, 2100285.	5.8	36
7	A high-resolution, ultrabroad-range and sensitive capacitive tactile sensor based on a CNT/PDMS composite for robotic hands. <i>Nanoscale</i> , 2021, 13, 18780-18788.	5.6	33
8	Self-assembled thin films of Fe <sub>3</sub> O <sub>4</sub> -Ag composite nanoparticles for spintronic applications. <i>Applied Surface Science</i> , 2017, 419, 692-696.	6.1	31
9	Magnetic-Field-Assisted Assembly of Anisotropic Superstructures by Iron Oxide Nanoparticles and Their Enhanced Magnetism. <i>Nanoscale Research Letters</i> , 2016, 11, 189.	5.7	25
10	A Flexible Artificial Sensory Nerve Enabled by Nanoparticleâ€‘Assembled Synaptic Devices for Neuromorphic Tactile Recognition. <i>Advanced Science</i> , 2022, 9, .	11.2	24
11	CoFe <sub>2</sub> O <sub>4</sub> Nanoparticle-Integrated Spin-Valve Thin Films Prepared by Interfacial Self-Assembly. <i>Journal of Physical Chemistry C</i> , 2017, 121, 22508-22516.	3.1	19
12	Ultrafast Detection and Discrimination of Methanol Gas Using a Polyindole-Embedded Substrate Integrated Waveguide Microwave Sensor. <i>ACS Sensors</i> , 2020, 5, 3939-3948.	7.8	18
13	Development of Fully Flexible Tactile Pressure Sensor with Bilayer Interlaced Bumps for Robotic Grasping Applications. <i>Micromachines</i> , 2020, 11, 770.	2.9	18
14	Flexible Liquidâ€‘Filled Fiber Adapter Enabled Wearable Optical Sensors. <i>Advanced Materials Technologies</i> , 2020, 5, 2000079.	5.8	18
15	Controlled convective self-assembly of silver nanoparticles in volatile organic solvent and its application in electronics. <i>RSC Advances</i> , 2015, 5, 98747-98756.	3.6	15
16	Characterization and bio-binding ability study on size-controllable highly monodisperse magnetic nanoparticles. <i>Microelectronic Engineering</i> , 2015, 144, 61-67.	2.4	11
17	Amine-Functionalized Fe <sub>2</sub> O <sub>3</sub> @SiO <sub>2</sub> Coreâ€‘Shell Nanoparticles With Tunable Sizes. <i>IEEE Nanotechnology Magazine</i> , 2018, 17, 69-77.	2.0	11
18	Digitally aligned ZnO nanowire array based synaptic transistors with intrinsically controlled plasticity for short-term computation and long-term memory. <i>Nanoscale</i> , 2021, 13, 19190-19199.	5.6	8

#	ARTICLE	IF	CITATIONS
19	Wafer-Scale Fabrication and Assembly Method of Multichannel Microelectrode Arrays for ECoG Application. Electronics (Switzerland), 2021, 10, 316.	3.1	1
20	A neuromorphic device mimicking synaptic plasticity under different body fluid K+ homeostasis for artificial reflex path construction and pattern recognition. Fundamental Research, 2022, , .	3.3	1