

# Xiaoping Liang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3410151/publications.pdf>

Version: 2024-02-01

31  
papers

3,135  
citations

331259

21  
h-index

454577

30  
g-index

31  
all docs

31  
docs citations

31  
times ranked

3652  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced Carbon for Flexible and Wearable Electronics. <i>Advanced Materials</i> , 2019, 31, e1801072.	11.1	779
2	Integrated textile sensor patch for real-time and multiplex sweat analysis. <i>Science Advances</i> , 2019, 5, eaax0649.	4.7	345
3	Self-Healable Multifunctional Electronic Tattoos Based on Silk and Graphene. <i>Advanced Functional Materials</i> , 2019, 29, 1808695.	7.8	236
4	Stable and Biocompatible Carbon Nanotube Ink Mediated by Silk Protein for Printed Electronics. <i>Advanced Materials</i> , 2020, 32, e2000165.	11.1	184
5	Printable Smart Pattern for Multifunctional Energy-Management E-Textile. <i>Matter</i> , 2019, 1, 168-179.	5.0	172
6	Advanced carbon materials for flexible and wearable sensors. <i>Science China Materials</i> , 2017, 60, 1026-1062.	3.5	170
7	Physical sensors for skin-inspired electronics. <i>Informa-Ån-Å-Materi-Åjly</i> , 2020, 2, 184-211.	8.5	159
8	Laser Writing of Janus Graphene/Kevlar Textile for Intelligent Protective Clothing. <i>ACS Nano</i> , 2020, 14, 3219-3226.	7.3	159
9	Weft-Knitted Fabric for a Highly Stretchable and Low-Voltage Wearable Heater. <i>Advanced Electronic Materials</i> , 2017, 3, 1700193.	2.6	133
10	Smart Fibers and Textiles for Personal Health Management. <i>ACS Nano</i> , 2021, 15, 12497-12508.	7.3	124
11	Splash-Resistant and Light-Weight Silk-Sheathed Wires for Textile Electronics. <i>Nano Letters</i> , 2018, 18, 7085-7091.	4.5	98
12	Superelastic wire-shaped supercapacitor sustaining 850% tensile strain based on carbon nanotube@graphene fiber. <i>Nano Research</i> , 2018, 11, 2347-2356.	5.8	70
13	Molybdenum Disulfide Nanosheets Aligned Vertically on Carbonized Silk Fabric as Smart Textile for Wearable Pressure-Sensing and Energy Devices. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 11825-11832.	4.0	67
14	Flexible Electrodes for In Vivo and In Vitro Electrophysiological Signal Recording. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100646.	3.9	62
15	Superior Unidirectional Water Transport and Mechanically Stable 3D Orthogonal Woven Fabric for Human Body Moisture and Thermal Management. <i>Small</i> , 2022, 18, e2107150.	5.2	54
16	Hydrophilic, Breathable, and Washable Graphene Decorated Textile Assisted by Silk Sericin for Integrated Multimodal Smart Wearables. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	54
17	Spontaneous Alignment of Graphene Oxide in Hydrogel during 3D Printing for Multistimuli-Responsive Actuation. <i>Advanced Science</i> , 2020, 7, 1903048.	5.6	51
18	Carbonized Chinese Art Paper-Based High-Performance Wearable Strain Sensor for Human Activity Monitoring. <i>ACS Applied Electronic Materials</i> , 2019, 1, 2415-2421.	2.0	38

#	ARTICLE	IF	CITATIONS
19	Sweat-Driven Silk-yarn Switches Enabled by Highly Aligned Gaps for Air-conditioning Textiles. <i>Advanced Fiber Materials</i> , 2019, 1, 197-204.	7.9	33
20	Calcium Gluconate Derived Carbon Nanosheet Intrinsically Decorated with Nanopapillae for Multifunctional Printed Flexible Electronics. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 20272-20280.	4.0	25
21	Biomimetic Mechanically Enhanced Carbon Nanotube Fibers by Silk Fibroin Infiltration. <i>Small</i> , 2021, 17, e2100066.	5.2	21
22	Sustainable Silk-Derived Multimode Carbon Dots. <i>Small</i> , 2021, 17, e2103623.	5.2	21
23	Highly Regulatable Heat Conductance of Graphene-Sericin Hybrid for Responsive Textiles. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	21
24	Silkworm Silk Fibers with Multiple Reinforced Properties Obtained through Feeding Ag Nanowires. <i>Advanced Fiber Materials</i> , 2022, 4, 547-555.	7.9	15
25	Protection effect of nicotinamide on cardiomyoblast hypoxia/re-oxygenation injury: study of cellular mitochondrial metabolism. <i>Molecular BioSystems</i> , 2016, 12, 2257-2264.	2.9	13
26	Carbothermal shock enabled facile and fast growth of carbon nanotubes in a second. <i>Nano Research</i> , 2022, 15, 2576-2581.	5.8	11
27	Extensible and self-recoverable proteinaceous materials derived from scallop byssal thread. <i>Nature Communications</i> , 2022, 13, 2731.	5.8	8
28	Pathogenesis of neural tube defects: the story beyond methylation or one-carbon unit metabolism. <i>Metabolomics</i> , 2012, 8, 919-929.	1.4	5
29	Mechanically Reinforced Silkworm Silk Fiber by Hot Stretching. <i>Research</i> , 2022, 2022, 9854063.	2.8	5
30	Superior Unidirectional Water Transport and Mechanically Stable 3D Orthogonal Woven Fabric for Human Body Moisture and Thermal Management ( <i>Small</i> 10/2022). <i>Small</i> , 2022, 18, .	5.2	2
31	Wearable Electronics: Weft-Knitted Fabric for a Highly Stretchable and Low-Voltage Wearable Heater ( <i>Adv. Electron. Mater.</i> 9/2017). <i>Advanced Electronic Materials</i> , 2017, 3, .	2.6	0