

Gui-Shi Liu

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

1,168
citations

430874

18
h-index

395702

33
g-index

56
all docs

56
docs citations

56
times ranked

1577
citing authors

#	ARTICLE	IF	CITATIONS
1	Physical activation of innate immunity by spiky particles. <i>Nature Nanotechnology</i> , 2018, 13, 1078-1086.	31.5	158
2	Microneedles for transdermal diagnostics: Recent advances and new horizons. <i>Biomaterials</i> , 2020, 232, 119740.	11.4	143
3	Comprehensive Stability Improvement of Silver Nanowire Networks via Self-Assembled Mercapto Inhibitors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 37699-37708.	8.0	64
4	Microchannel Wetting for Controllable Patterning and Alignment of Silver Nanowire with High Resolution. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 21433-21441.	8.0	60
5	Electrically robust silver nanowire patterns transferrable onto various substrates. <i>Nanoscale</i> , 2016, 8, 5507-5515.	5.6	51
6	A portable optical fiber SPR temperature sensor based on a smart-phone. <i>Optics Express</i> , 2019, 27, 25420.	3.4	48
7	Ultrasonically Patterning Silver Nanowire/Acrylate Composite for Highly Sensitive and Transparent Strain Sensors Based on Parallel Cracks. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 47729-47738.	8.0	41
8	Fabrication of Embedded Silver Nanowires on Arbitrary Substrates with Enhanced Stability via Chemisorbed Alkanethiolate. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 15130-15138.	8.0	40
9	Magnetic Nanoparticles Functionalized Few-Mode-Fiber-Based Plasmonic Vector Magnetometer. <i>Nanomaterials</i> , 2019, 9, 785.	4.1	37
10	Anomalous dispersion of magnetic spiky particles for enhanced oil emulsions/water separation. <i>Nanoscale</i> , 2018, 10, 1978-1986.	5.6	35
11	A MoS ₂ nanoflower and gold nanoparticle-modified surface plasmon resonance biosensor for a sensitivity-improved immunoassay. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6861-6868.	5.5	35
12	High-performance fiber plasmonic sensor by engineering the dispersion of hyperbolic metamaterials composed of Ag/TiO ₂ . <i>Optics Express</i> , 2020, 28, 25562.	3.4	34
13	Side-Polished Single-Mode-Multimode-Single-Mode Fiber Structure for the Vector Magnetic Field Sensing. <i>Journal of Lightwave Technology</i> , 2020, 38, 5837-5843.	4.6	33
14	A graphene/PDMS hybrid overcoating enhanced fiber plasmonic temperature sensor with high sensitivity and fast response. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12893-12901.	5.5	31
15	Photonic cavity enhanced high-performance surface plasmon resonance biosensor. <i>Photonics Research</i> , 2020, 8, 448.	7.0	30
16	Simultaneous Measurement of the Refractive Index and Temperature Based on a Hybrid Fiber Interferometer. <i>IEEE Sensors Journal</i> , 2020, 20, 13411-13417.	4.7	22
17	Tape-Based Photodetector: Transfer Process and Persistent Photoconductivity. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 16596-16604.	8.0	21
18	Half-side gold-coated hetero-core fiber for highly sensitive measurement of a vector magnetic field. <i>Optics Letters</i> , 2020, 45, 4746.	3.3	18

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19	Transfer printing for fabrication of flexible RGB color e-paper. <i>Journal of the Society for Information Display</i> , 2017, 25, 384-390.	2.1	16
20	Optically Programmable Plateau-Rayleigh Instability for High-Resolution and Scalable Morphology Manipulation of Silver Nanowires for Flexible Optoelectronics. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 53984-53993.	8.0	16
21	Temporal Evolution of the Pulsed Positive Streamer Discharge in Water. <i>IEEE Transactions on Plasma Science</i> , 2012, 40, 438-442.	1.3	15
22	One-step plasmonic welding and photolithographic patterning of silver nanowire network by UV-programable surface atom diffusion. <i>Nano Research</i> , 2022, 15, 2582-2591.	10.4	15
23	Coating, patterning, and transferring processes of silver nanowire for flexible display and sensing applications. <i>Journal of the Society for Information Display</i> , 2016, 24, 234-240.	2.1	14
24	Prevention of Plasticizer Leaching From the Inner Surface of Narrow Polyvinyl Chloride Tube by DC Glow Discharge Plasma. <i>IEEE Transactions on Plasma Science</i> , 2010, 38, 3152-3155.	1.3	13
25	Time-Resolved Images of the Decay of the Gas Channel Induced by Pulsed Positive Streamer Discharge in Water. <i>IEEE Transactions on Plasma Science</i> , 2011, 39, 1758-1761.	1.3	13
26	Constructing Electrophoretic Displays on Foldable Paper-Based Electrodes by a Facile Transferring Method. <i>ACS Applied Electronic Materials</i> , 2020, 2, 1335-1342.	4.3	13
27	Improvement in the hydrophilic property of inner surface of polyvinyl chloride tube by DC glow discharge plasma. <i>Vacuum</i> , 2010, 85, 406-410.	3.5	11
28	Hybrid Effect of Crossed Alignment and Multi-Stacking Structure on the Percolation Behavior of Silver Nanowire Networks. <i>Journal of Display Technology</i> , 2015, 11, 625-629.	1.2	10
29	Electrostatic assembly of ultraviolet-curable cellulose-coated silver nanowires as transparent electrodes for nanogenerator. <i>Applied Physics Express</i> , 2018, 11, 075002.	2.4	10
30	Dispersion Management for Hyperbolic-Metamaterials Based Surface Plasmon Resonance Sensor Towards Extremely High Sensitivity. <i>Journal of Lightwave Technology</i> , 2022, 40, 887-893.	4.6	10
31	MoS ₂ -nanoflower enhanced programmable adsorption/desorption plasmonic detection for bipolar-molecules with high sensitivity. <i>Biosensors and Bioelectronics</i> , 2022, 198, 113787.	10.1	10
32	Self-assembled monolayer modulated Plateau-Rayleigh instability and enhanced chemical stability of silver nanowire for invisibly patterned, stable transparent electrodes. <i>Nano Research</i> , 2022, 15, 4552-4562.	10.4	10
33	Streamer Propagation in a Large-Volume Underwater Corona Discharge Reactor. <i>IEEE Transactions on Plasma Science</i> , 2010, 38, 3330-3335.	1.3	9
34	Enhancement of polar phases in PVDF by forming PVDF/SiC nanowire composite. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2016, 23, 3612-3619.	2.9	9
35	Slippery surface based on lubricant infused hierarchical silicon nanowire film. <i>RSC Advances</i> , 2017, 7, 55812-55818.	3.6	9
36	Facile patterning and transferring method for constructing self-powered UV photodetectors. <i>Applied Physics Express</i> , 2018, 11, 116502.	2.4	8

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37	A Portable Smartphone-Based Vector-Magnetometer Illuminated and Imaged via a Side-Polished-Fiber Functionalized With Magnetic Fluid. <i>IEEE Sensors Journal</i> , 2020, 20, 1283-1289.	4.7	8
38	Stretchable Transparent Electrode <i>via</i> Wettability Self-Assembly in Mechanically Induced Self-Cracking. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 52880-52891.	8.0	8
39	Backflow Effect Enabling Fast Response and Low Driving Voltage of Electrophoretic E-ink Dispersion by Liquid Crystal Additives. <i>Scientific Reports</i> , 2019, 9, 13981.	3.3	7
40	Chitosan-assisted buffer layer incorporated with hydroxypropyl methylcellulose-coated silver nanowires for paper-based sensors. <i>Applied Physics Express</i> , 2017, 10, 065002.	2.4	6
41	Nanospikes-mediated Anomalous Dispersities of Hydrophobic Micro-objects and their Application for Oil Emulsion Cleaning. <i>Scientific Reports</i> , 2018, 8, 12600.	3.3	6
42	Near-infrared tunable surface plasmon resonance sensors based on graphene plasmons <i>via</i> electrostatic gating control. <i>RSC Advances</i> , 2021, 11, 37559-37567.	3.6	5
43	Decoloration of Azo Dye Sunset Yellow by a Coaxial Insulated-Rod-to-Cylinder Underwater Streamer Discharge System. <i>Plasma Science and Technology</i> , 2012, 14, 293-296.	1.5	4
44	Ultrahigh-sensitive and compact temperature sensor based on no-core fiber with PMMA coating. <i>Optics Express</i> , 2021, 29, 37591.	3.4	4
45	Photon coupling-induced spectrum envelope modulation in the coupled resonators from Vernier effect to harmonic Vernier effect. <i>Nanophotonics</i> , 2022, 11, 957-966.	6.0	4
46	Cell-modified plasmonic interface for the signal-amplified detection of Cucurbitacin E. <i>Biomedical Optics Express</i> , 2022, 13, 274.	2.9	2
47	Temporal Evolution Images of Ignition of Pulsed Positive Electrical Discharge in Water. <i>IEEE Transactions on Plasma Science</i> , 2010, 38, 1084-1085.	1.3	1
48	Selective deposition of silver nanowires and its application for wearable pressure sensor. , 2016, , .		1
49	P–L: <i>Late</i> News Poster: Exploration of Coating and Alignment Methods for Making High-Performance Transparent Conductive Films with Silver Nanowire Networks. <i>Digest of Technical Papers SID International Symposium</i> , 2015, 46, 1748-1749.	0.3	0
50	25-2:Distinguished Paper: Coating, Patterning, and Transferring Processes of Silver Nanowire for Flexible Display and Sensing Applications. <i>Digest of Technical Papers SID International Symposium</i> , 2016, 47, 311-314.	0.3	0
51	Stability enhancement of silver nanowire patterns by transferring process. , 2016, , .		0
52	13.1: Stability Enhancement of Silver Nanowire Transparent Conductors via Self-Assembled Monolayer. <i>Digest of Technical Papers SID International Symposium</i> , 2021, 52, 86-86.	0.3	0
53	Pס.2: Embedded, Alkanethiolate-Capped Silver Nanowires for High-Performance, Chemically Stable Flexible Transparent Electrodes. <i>Digest of Technical Papers SID International Symposium</i> , 2021, 52, 668-668.	0.3	0
54	41.1: Invited Paper: Coating and Patterning Techniques of Silver Nanowire for High-Performance Transparent Conductive Electrodes. <i>Digest of Technical Papers SID International Symposium</i> , 2021, 52, 500-500.	0.3	0

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55	16.3: Flexible Liquid Crystal Displays with Fine-Width Polymer Walls and Self-Assembled Monolayer Alignment. Digest of Technical Papers SID International Symposium, 2021, 52, 220-223.	0.3	0
56	Side-polished multimode interferometer for the vector magnetic field sensing. , 2021, , .		0