

Gui-Shi Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8381564/publications.pdf>

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	One-step plasmonic welding and photolithographic patterning of silver nanowire network by UV-programable surface atom diffusion. Nano Research, 2022, 15, 2582-2591.	10.4	15
2	Dispersion Management for Hyperbolic-Metamaterials Based Surface Plasmon Resonance Sensor Towards Extremely High Sensitivity. Journal of Lightwave Technology, 2022, 40, 887-893.	4.6	10
3	MoS ₂ -nanoflower enhanced programmable adsorption/desorption plasmonic detection for bipolar-molecules with high sensitivity. Biosensors and Bioelectronics, 2022, 198, 113787.	10.1	10
4	Self-assembled monolayer modulated Plateau-Rayleigh instability and enhanced chemical stability of silver nanowire for invisibly patterned, stable transparent electrodes. Nano Research, 2022, 15, 4552-4562.	10.4	10
5	Photon coupling-induced spectrum envelope modulation in the coupled resonators from Vernier effect to harmonic Vernier effect. Nanophotonics, 2022, 11, 957-966.	6.0	4
6	Cell-modified plasmonic interface for the signal-amplified detection of Cucurbitacin E. Biomedical Optics Express, 2022, 13, 274.	2.9	2
7	13.1: Stability Enhancement of Silver Nanowire Transparent Conductors via Self-Assembled Monolayer. Digest of Technical Papers SID International Symposium, 2021, 52, 86-86.	0.3	0
8	P&C15.2: Embedded, Alkanethiolate-Capped Silver Nanowires for High-Performance, Chemically Stable Flexible Transparent Electrodes. Digest of Technical Papers SID International Symposium, 2021, 52, 668-668.	0.3	0
9	41.1: Invited Paper: Coating and Patterning Techniques of Silver Nanowire for High-Performance Transparent Conductive Electrodes. Digest of Technical Papers SID International Symposium, 2021, 52, 500-500.	0.3	0
10	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
11	Ultrahigh-sensitive and compact temperature sensor based on no-core fiber with PMMA coating. Optics Express, 2021, 29, 37591.	3.4	4
12	Stretchable Transparent Electrode <i>via</i> Wettability Self-Assembly in Mechanically Induced Self-Cracking. ACS Applied Materials & Interfaces, 2021, 13, 52880-52891.	8.0	8
13	Side-polished multimode interferometer for the vector magnetic field sensing. , 2021, , .		0
14	Near-infrared tunable surface plasmon resonance sensors based on graphene plasmons <i>via</i> electrostatic gating control. RSC Advances, 2021, 11, 37559-37567.	3.6	5
15	Microneedles for transdermal diagnostics: Recent advances and new horizons. Biomaterials, 2020, 232, 119740.	11.4	143
16	A Portable Smartphone-Based Vector-Magnetometer Illuminated and Imaged via a Side-Polished-Fiber Functionalized With Magnetic Fluid. IEEE Sensors Journal, 2020, 20, 1283-1289.	4.7	8
17	Side-Polished Single-Mode-Multimode-Single-Mode Fiber Structure for the Vector Magnetic Field Sensing. Journal of Lightwave Technology, 2020, 38, 5837-5843.	4.6	33
18	Ultrasonically Patterning Silver Nanowire-Acrylate Composite for Highly Sensitive and Transparent Strain Sensors Based on Parallel Cracks. ACS Applied Materials & Interfaces, 2020, 12, 47729-47738.	8.0	41

#	ARTICLE	IF	CITATIONS
19	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
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	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
22	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
23	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
24	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
25	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
26	Photonic cavity enhanced high-performance surface plasmon resonance biosensor. <i>Photonics Research</i> , 2020, 8, 448.	7.0	30
27	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
28	Magnetic Nanoparticles Functionalized Few-Mode-Fiber-Based Plasmonic Vector Magnetometer. <i>Nanomaterials</i> , 2019, 9, 785.	4.1	37
29	A portable optical fiber SPR temperature sensor based on a smart-phone. <i>Optics Express</i> , 2019, 27, 25420.	3.4	48
30	Tape-Based Photodetector: Transfer Process and Persistent Photoconductivity. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 16596-16604.	8.0	21
31	Anomalous dispersion of magnetic spiky particles for enhanced oil emulsions/water separation. <i>Nanoscale</i> , 2018, 10, 1978-1986.	5.6	35
32	Facile patterning and transferring method for constructing self-powered UV photodetectors. <i>Applied Physics Express</i> , 2018, 11, 116502.	2.4	8
33	Physical activation of innate immunity by spiky particles. <i>Nature Nanotechnology</i> , 2018, 13, 1078-1086.	31.5	158
34	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
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	Fabrication of Embedded Silver Nanowires on Arbitrary Substrates with Enhanced Stability via Chemisorbed Alkanethiolate. ACS Applied Materials & Interfaces, 2017, 9, 15130-15138.	8.0	40
38	Chitosan-assisted buffer layer incorporated with hydroxypropyl methylcellulose-coated silver nanowires for paper-based sensors. Applied Physics Express, 2017, 10, 065002.	2.4	6
39	Transfer printing for fabrication of flexible RGB color e-paper. Journal of the Society for Information Display, 2017, 25, 384-390.	2.1	16
40	Slippery surface based on lubricant infused hierarchical silicon nanowire film. RSC Advances, 2017, 7, 55812-55818.	3.6	9
41	Coating, patterning, and transferring processes of silver nanowire for flexible display and sensing applications. Journal of the Society for Information Display, 2016, 24, 234-240.	2.1	14
42	25-2:Distinguished Paper: Coating, Patterning, and Transferring Processes of Silver Nanowire for Flexible Display and Sensing Applications. Digest of Technical Papers SID International Symposium, 2016, 47, 311-314.	0.3	0
43	Selective deposition of silver nanowires and its application for wearable pressure sensor. , 2016, , .		1
44	Enhancement of polar phases in PVDF by forming PVDF/SiC nanowire composite. IEEE Transactions on Dielectrics and Electrical Insulation, 2016, 23, 3612-3619.	2.9	9
45	Stability enhancement of silver nanowire patterns by transferring process. , 2016, , .		0
46	Electrically robust silver nanowire patterns transferrable onto various substrates. Nanoscale, 2016, 8, 5507-5515.	5.6	51
47	P–L: <i>Late News Poster</i>: Exploration of Coating and Alignment Methods for Making High Performance Transparent Conductive Films with Silver Nanowire Networks. Digest of Technical Papers SID International Symposium, 2015, 46, 1748-1749.	0.3	0
48	Hybrid Effect of Crossed Alignment and Multi-Stacking Structure on the Percolation Behavior of Silver Nanowire Networks. Journal of Display Technology, 2015, 11, 625-629.	1.2	10
49	Microchannel Wetting for Controllable Patterning and Alignment of Silver Nanowire with High Resolution. ACS Applied Materials & Interfaces, 2015, 7, 21433-21441.	8.0	60
50	Decoloration of Azo Dye Sunset Yellow by a Coaxial Insulated-Rod-to-Cylinder Underwater Streamer Discharge System. Plasma Science and Technology, 2012, 14, 293-296.	1.5	4
51	Temporal Evolution of the Pulsed Positive Streamer Discharge in Water. IEEE Transactions on Plasma Science, 2012, 40, 438-442.	1.3	15
52	Time-Resolved Images of the Decay of the Gas Channel Induced by Pulsed Positive Streamer Discharge in Water. IEEE Transactions on Plasma Science, 2011, 39, 1758-1761.	1.3	13
53	Temporal Evolution Images of Ignition of Pulsed Positive Electrical Discharge in Water. IEEE Transactions on Plasma Science, 2010, 38, 1084-1085.	1.3	1
54	Improvement in the hydrophilic property of inner surface of polyvinyl chloride tube by DC glow discharge plasma. Vacuum, 2010, 85, 406-410.	3.5	11

#	ARTICLE	IF	CITATIONS
55	Streamer Propagation in a Large-Volume Underwater Corona Discharge Reactor. IEEE Transactions on Plasma Science, 2010, 38, 3330-3335.	1.3	9
56	Prevention of Plasticizer Leaching From the Inner Surface of Narrow Polyvinyl Chloride Tube by DC Glow Discharge Plasma. IEEE Transactions on Plasma Science, 2010, 38, 3152-3155.	1.3	13