

Jingxuan Cai

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

516
citations

686830

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752256

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all docs

24
docs citations

24
times ranked

801
citing authors

#	ARTICLE	IF	CITATIONS
1	Top-down fabrication of shape-controlled, monodisperse nanoparticles for biomedical applications. <i>Advanced Drug Delivery Reviews</i> , 2018, 132, 169-187.	6.6	135
2	Stretchable Transparent Electrodes with Solution-Processed Regular Metal Mesh for an Electroluminescent Light-Emitting Film. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 21009-21017.	4.0	53
3	Selective Electroless Metallization of Micro- and Nanopatterns via Poly(dopamine) Modification and Palladium Nanoparticle Catalysis for Flexible and Stretchable Electronic Applications. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 28754-28763.	4.0	48
4	Solution-Processed Large-Area Gold Nanocheckerboard Metasurfaces on Flexible Plastics for Plasmonic Biomolecular Sensing. <i>Advanced Optical Materials</i> , 2019, 7, 1900516.	3.6	34
5	Highly transparent and flexible polyaniline mesh sensor for chemiresistive sensing of ammonia gas. <i>RSC Advances</i> , 2018, 8, 5312-5320.	1.7	31
6	Template-Electrodeposited and Imprint-Transferred Microscale Metal Mesh Transparent Electrodes for Flexible and Stretchable Electronics. <i>Advanced Engineering Materials</i> , 2019, 21, 1900723.	1.6	31
7	Nanostructured texturing of CH ₃ NH ₃ PbI ₃ perovskite thin film on flexible substrate for photodetector application. <i>Organic Electronics</i> , 2019, 71, 284-289.	1.4	26
8	3D Volumetric Energy Deposition of Focused Helium Ion Beam Lithography: Visualization, Modeling, and Applications in Nanofabrication. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800203.	1.9	22
9	Scalable Fabrication of Metallic Nanofiber Network via Templated Electrodeposition for Flexible Electronics. <i>Advanced Functional Materials</i> , 2019, 29, 1903123.	7.8	21
10	Wafer-scale nanopatterning using fast-reconfigurable and actively-stabilized two-beam fiber-optic interference lithography. <i>Optics Express</i> , 2018, 26, 8194.	1.7	16
11	Electromagnetic and Chemical Enhancements of Surface-Enhanced Raman Scattering Spectra from Cu ₂ O Hexagonal Nanoplates. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900534.	1.9	16
12	Ultrasensitive Molecular Detection by Imaging of Centimeter-Scale Metasurfaces with a Deterministic Gradient Geometry. <i>Advanced Materials</i> , 2021, 33, e2100270.	11.1	15
13	Highly-facile template-based selective electroless metallization of micro- and nanopatterns for plastic electronics and plasmonics. <i>Journal of Materials Chemistry C</i> , 2019, 7, 4363-4373.	2.7	14
14	Patterning of high-aspect-ratio nanogratings using phase-locked two-beam fiber-optic interference lithography. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2019, 37, .	0.6	12
15	Dual-Color Flexible Metasurfaces with Polarization-Tunable Plasmons in Gold Nanorod Arrays. <i>Advanced Optical Materials</i> , 2021, 9, 2001401.	3.6	12
16	Induction-heated nanoimprint on soda-lime glass using sapphire molds. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2016, 34, .	0.6	7
17	Ultrasensitive Molecular Detection at Subpicomolar Concentrations by the Diffraction Pattern Imaging with Plasmonic Metasurfaces and Convex Holographic Gratings. <i>Advanced Science</i> , 2022, 9, .	5.6	7
18	Intelligent and highly sensitive strain sensor based on indium tin oxide micromesh with a high crack density. <i>Nanoscale</i> , 2022, 14, 4234-4243.	2.8	6

#	ARTICLE	IF	CITATIONS
19	Flexible Electronics: Scalable Fabrication of Metallic Nanofiber Network via Templated Electrodeposition for Flexible Electronics (Adv. Funct. Mater. 35/2019). Advanced Functional Materials, 2019, 29, 1970242.	7.8	5
20	Templateâ€¢Electrodeposited Plasmonic Metasurfaces for Highâ€¢Sensitivity Biomolecular Detection. Advanced Materials Interfaces, 2022, 9, .	1.9	3
21	Monitoring the Adhesion and Inhibitory Activity of <i>Candida albicans</i> on Polyâ€¢Lysine Modified Gold Nanoâ€¢Match Head Arrays. Advanced Materials Interfaces, 0, , 2102590.	1.9	2
22	Solution-processed metallic micro- and nanostructures for transparent electrodes and plasmonic sensors. , 2017, , .		0
23	Plasmonic Metasurfaces: Solutionâ€¢Processed Largeâ€¢Area Gold Nanocheckerboard Metasurfaces on Flexible Plastics for Plasmonic Biomolecular Sensing (Advanced Optical Materials 19/2019). Advanced Optical Materials, 2019, 7, 1970072.	3.6	0
24	49.2: Invited Paper: Solutionâ€¢Processed Metallic Microâ€¢and Nanostructures for Transparent Electrodes in Flexible Display and Sensing Applications. Digest of Technical Papers SID International Symposium, 2019, 50, 554-555.	0.1	0