

Limei Tian

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

5,500
citations

134610

34
h-index

116156

66
g-index

74
all docs

74
docs citations

74
times ranked

9726
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Bioinspired marine antifouling coatings: Status, prospects, and future. <i>Progress in Materials Science</i> , 2022, 124, 100889. | 16.0 | 181 |
| 2 | Spectrally multiplexed assay using gap enhanced nanoparticle for detection of a myocardial infarction biomarker panel. <i>Analytica Chimica Acta</i> , 2022, 1198, 339562. | 2.6 | 10 |
| 3 | Printed Ultrastable Bioplasmonic Microarrays for Point-of-Need Biosensing. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 10729-10737. | 4.0 | 5 |
| 4 | Wearable plasmonic paper-based microfluidics for continuous sweat analysis. <i>Science Advances</i> , 2022, 8, eabn1736. | 4.7 | 91 |
| 5 | Electrically Conductive MoS ₂ Reinforced Polyacrylonitrile Nanofibers for Biomedical Applications. <i>Advanced NanoBiomed Research</i> , 2022, 2, . | 1.7 | 6 |
| 6 | Moldable and transferrable conductive nanocomposites for epidermal electronics. <i>Npj Flexible Electronics</i> , 2022, 6, . | 5.1 | 16 |
| 7 | Nanoengineered Ink for Designing 3D Printable Flexible Bioelectronics. <i>ACS Nano</i> , 2022, 16, 8798-8811. | 7.3 | 24 |
| 8 | Performance Evaluation of a Wearable Tattoo Electrode Suitable for High-Resolution Surface Electromyogram Recording. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 1389-1398. | 2.5 | 27 |
| 9 | Biocompatible Light Guide-Assisted Wearable Devices for Enhanced UV Light Delivery in Deep Skin. <i>Advanced Functional Materials</i> , 2021, 31, 2100576. | 7.8 | 26 |
| 10 | Metal-Organic Frameworks for Preserving the Functionality of Plasmonic Nanosensors. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 5564-5573. | 4.0 | 13 |
| 11 | Ultrastable Plasmonic Bioink for Printable Point-Of-Care Biosensors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 35977-35985. | 4.0 | 17 |
| 12 | Bioinspired PDMS-Phosphor-Silicone Rubber Sandwich Structure Coatings for Combating Biofouling. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901577. | 1.9 | 28 |
| 13 | Lotus-leaf-inspired hierarchical structured surface with non-fouling and mechanical bactericidal performances. <i>Chemical Engineering Journal</i> , 2020, 398, 125609. | 6.6 | 145 |
| 14 | A Microthermal Sensor for Cryoablation Balloons. <i>Journal of Biomechanical Engineering</i> , 2020, 142, . | 0.6 | 1 |
| 15 | Bio-Integrated Wearable Systems: A Comprehensive Review. <i>Chemical Reviews</i> , 2019, 119, 5461-5533. | 23.0 | 822 |
| 16 | Large-area MRI-compatible epidermal electronic interfaces for prosthetic control and cognitive monitoring. <i>Nature Biomedical Engineering</i> , 2019, 3, 194-205. | 11.6 | 253 |
| 17 | Exploring the antifouling effect of elastic deformation by DEM-CFD coupling simulation. <i>RSC Advances</i> , 2019, 9, 40855-40862. | 1.7 | 6 |
| 18 | Bioresorbable pressure sensors protected with thermally grown silicon dioxide for the monitoring of chronic diseases and healing processes. <i>Nature Biomedical Engineering</i> , 2019, 3, 37-46. | 11.6 | 185 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Needle-shaped ultrathin piezoelectric microsystem for guided tissue targeting via mechanical sensing. Nature Biomedical Engineering, 2018, 2, 165-172. | 11.6 | 108 |
| 20 | Conductively coupled flexible silicon electronic systems for chronic neural electrophysiology. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E9542-E9549. | 3.3 | 50 |
| 21 | Intraoperative monitoring of neuromuscular function with soft, skin-mounted wireless devices. Npj Digital Medicine, 2018, 1, . | 5.7 | 22 |
| 22 | Advanced approaches for quantitative characterization of thermal transport properties in soft materials using thin, conformable resistive sensors. Extreme Mechanics Letters, 2018, 22, 27-35. | 2.0 | 24 |
| 23 | Stretchable array of metal nanodisks on a 3D sinusoidal wavy elastomeric substrate for frequency tunable plasmonics. Nanotechnology, 2017, 28, 115703. | 1.3 | 9 |
| 24 | Flexible and Stretchable 3% Sensors for Thermal Characterization of Human Skin. Advanced Functional Materials, 2017, 27, 1701282. | 7.8 | 90 |
| 25 | Fabrication of Plasmonic Nanoparticles on a Wave Shape PDMS Substrate. Plasmonics, 2017, 12, 1627-1631. | 1.8 | 7 |
| 26 | Sensors: Flexible and Stretchable 3% Sensors for Thermal Characterization of Human Skin (Adv. Funct.) Tj ETQq0 0.0 rgBT /Qverlock 10 | 7.8 | 90 |
| 27 | Bacterial Nanocellulose-Based Flexible Surface Enhanced Raman Scattering Substrate. Advanced Materials Interfaces, 2016, 3, 1600214. | 1.9 | 72 |
| 28 | Polarization-Dependent Surface-Enhanced Raman Scattering Activity of Anisotropic Plasmonic Nanorattles. Journal of Physical Chemistry C, 2016, 120, 16899-16906. | 1.5 | 18 |
| 29 | Elastoplastic Deformation of Silk Micro- and Nanostructures. ACS Biomaterials Science and Engineering, 2016, 2, 893-899. | 2.6 | 5 |
| 30 | Nanocellulose Films: Bacterial Nanocellulose-Based Flexible Surface Enhanced Raman Scattering Substrate (Adv. Mater. Interfaces 15/2016). Advanced Materials Interfaces, 2016, 3, . | 1.9 | 0 |
| 31 | Bilayered Biofoam for Highly Efficient Solar Steam Generation. Advanced Materials, 2016, 28, 9400-9407. | 11.1 | 457 |
| 32 | Epidermal radio frequency electronics for wireless power transfer. Microsystems and Nanoengineering, 2016, 2, 16052. | 3.4 | 72 |
| 33 | Foams: Bilayered Biofoam for Highly Efficient Solar Steam Generation (Adv. Mater. 42/2016). Advanced Materials, 2016, 28, 9234-9234. | 11.1 | 13 |
| 34 | Plasmonic Biofoam: A Versatile Optically Active Material. Nano Letters, 2016, 16, 609-616. | 4.5 | 161 |
| 35 | Plasmonic Nanogels for Unclonable Optical Tagging. ACS Applied Materials & Interfaces, 2016, 8, 4031-4041. | 4.0 | 46 |
| 36 | Monodispersed calcium carbonate nanoparticles modulate local pH and inhibit tumor growth in vivo. Nanoscale, 2016, 8, 12639-12647. | 2.8 | 112 |

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|----|--|-----|-----------|
| 37 | Nano-CaCO ₃ as a pH sensitive theranostic platform. , 2016, , . | | 0 |
| 38 | Bioâ€Enabled Gold Superstructures with Builtâ€In and Accessible Electromagnetic Hotspots. Advanced Healthcare Materials, 2015, 4, 1502-1509. | 3.9 | 21 |
| 39 | Distance-Dependent Plasmon-Enhanced Fluorescence of Upconversion Nanoparticles using Polyelectrolyte Multilayers as Tunable Spacers. Scientific Reports, 2015, 5, 7779. | 1.6 | 171 |
| 40 | 3D Printed Programmable Release Capsules. Nano Letters, 2015, 15, 5321-5329. | 4.5 | 140 |
| 41 | Off-Resonant Gold Superstructures as Ultrabright Minimally Invasive Surface-Enhanced Raman Scattering (SERS) Probes. Chemistry of Materials, 2015, 27, 5678-5684. | 3.2 | 40 |
| 42 | Size-Dependent Surface Enhanced Raman Scattering Activity of Plasmonic Nanorattles. Chemistry of Materials, 2015, 27, 5261-5270. | 3.2 | 82 |
| 43 | Selective enhancement of red emission from upconversion nanoparticles via surface plasmon-coupled emission. RSC Advances, 2015, 5, 76825-76835. | 1.7 | 27 |
| 44 | Protein-protein binding detection with nanoparticle photonic crystal enhanced microscopy (NP-PCEM). , 2014, 2014, 2069-72. | | 1 |
| 45 | Bioplasmonic calligraphy for multiplexed label-free biodetection. Biosensors and Bioelectronics, 2014, 59, 208-215. | 5.3 | 26 |
| 46 | Gold nanocages with built-in artificial antibodies for label-free plasmonic biosensing. Journal of Materials Chemistry B, 2014, 2, 167-170. | 2.9 | 38 |
| 47 | Single nanoparticle detection using photonic crystal enhanced microscopy. Analyst, The, 2014, 139, 1007-1015. | 1.7 | 80 |
| 48 | Multiplexed charge-selective surface enhanced Raman scattering based on plasmonic calligraphy. Journal of Materials Chemistry C, 2014, 2, 5438. | 2.7 | 38 |
| 49 | Probing Distanceâ€Dependent Plasmonâ€Enhanced Nearâ€Infrared Fluorescence Using Polyelectrolyte Multilayers as Dielectric Spacers. Angewandte Chemie - International Edition, 2014, 53, 866-870. | 7.2 | 75 |
| 50 | Plasmonic Nanorattles with Intrinsic Electromagnetic Hotâ€Spots for Surface Enhanced Raman Scattering. Small, 2014, 10, 4287-4292. | 5.2 | 69 |
| 51 | Detection of Single Nanoparticles Using Photonic Crystal Enhanced Microscopy. , 2014, , . | | 0 |
| 52 | Plasmonic Metal-to-Semiconductor Switching in Au Nanorod-ZnO nanocomposite films. ACS Applied Materials & Interfaces, 2013, 5, 7693-7697. | 4.0 | 22 |
| 53 | Trapping Proteins within Gold Nanoparticle Assemblies: Dynamically Tunable Hot-spots for Nanobiosensing. Plasmonics, 2013, 8, 537-544. | 1.8 | 16 |
| 54 | Molecular Linker-Mediated Self-Assembly of Gold Nanoparticles: Understanding and Controlling the Dynamics. Langmuir, 2013, 29, 56-64. | 1.6 | 24 |

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|----|---|-----|-----------|
| 55 | Multifunctional Analytical Platform on a Paper Strip: Separation, Preconcentration, and Subattomolar Detection. <i>Analytical Chemistry</i> , 2013, 85, 3977-3983. | 3.2 | 151 |
| 56 | Vesicle-Mediated Growth of Tubular Branches and Centimeter-Long Microtubes from a Single Molecule. <i>Small</i> , 2013, 9, 2611-2618. | 5.2 | 3 |
| 57 | Monitoring Controlled Release of Payload from Gold Nanocages Using Surface Enhanced Raman Scattering. <i>ACS Nano</i> , 2013, 7, 4252-4260. | 7.3 | 100 |
| 58 | Biomimetic SERS substrate: peptide recognition elements for highly selective chemical detection in chemically complex media. <i>Journal of Materials Chemistry A</i> , 2013, 1, 6543. | 5.2 | 38 |
| 59 | Hot Spot-Localized Artificial Antibodies for Label-Free Plasmonic Biosensing. <i>Advanced Functional Materials</i> , 2013, 23, 1789-1797. | 7.8 | 90 |
| 60 | Bioplasmonic Paper as a Platform for Detection of Kidney Cancer Biomarkers. <i>Analytical Chemistry</i> , 2012, 84, 9928-9934. | 3.2 | 90 |
| 61 | Plasmonic paper as a highly efficient SERS substrate. , 2012, , . | | 6 |
| 62 | Gold Nanorods as Plasmonic Nanotransducers: Distance-Dependent Refractive Index Sensitivity. <i>Langmuir</i> , 2012, 28, 17435-17442. | 1.6 | 110 |
| 63 | Freezing the self-assembly process of gold nanocrystals. <i>Chemical Communications</i> , 2012, 48, 1677-1679. | 2.2 | 34 |
| 64 | Plasmonic Planet-Satellite Analogues: Hierarchical Self-Assembly of Gold Nanostructures. <i>Nano Letters</i> , 2012, 12, 2645-2651. | 4.5 | 196 |
| 65 | Gold nanorods as nanotransducers to monitor the growth and swelling of ultrathin polymer films. <i>Nanotechnology</i> , 2012, 23, 255502. | 1.3 | 12 |
| 66 | Nanorod decorated nanowires as highly efficient SERS-active hybrids. <i>Journal of Materials Chemistry</i> , 2011, 21, 15218. | 6.7 | 32 |
| 67 | Highly Sensitive Surface Enhanced Raman Scattering Substrates Based on Filter Paper Loaded with Plasmonic Nanostructures. <i>Analytical Chemistry</i> , 2011, 83, 8953-8958. | 3.2 | 253 |
| 68 | Directed assembly of gold nanorods using aligned electrospun polymer nanofibers for highly efficient SERS substrates. <i>Nanotechnology</i> , 2011, 22, 275311. | 1.3 | 53 |
| 69 | Paper-Based SERS Swab for Rapid Trace Detection on Real-World Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 3429-3435. | 4.0 | 319 |