# Jianing Chen

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5996469/publications.pdf

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| 53 | 4,685 | 236833 | 182361 |
|---|---|---|---|
| papers | citations | 25 h-index | 51 g-index |

| 54 | 54 | 54 | 5970 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Infrared nanoimaging of nanoscale sliding dislocation of collagen fibrils. Nano Research, 2022, 15, 2355-2361. | 5.8 | 4 |
| 2 | Self-assembly and photoinduced fabrication of conductive nanographene wires on boron nitride. Nature Communications, 2022, 13, 442. | 5.8 | 4 |
| 3 | Enhanced near-field coupling and tunable topological transitions in hyperbolic van der Waals metasurfaces for optical nanomanipulation. Nanoscale, 2022, 14, 7075-7082. | 2.8 | 4 |
| 4 | Strong Lightâ€“Matter Interactions between Gap Plasmons and Two-Dimensional Excitons under Ambient Conditions in a Deterministic Way. Nano Letters, 2022, 22, 2177-2186. | 4.5 | 24 |
| 5 | Active control of micrometer plasmon propagation in suspended graphene. Nature Communications, 2022, 13, 1465. | 5.8 | 31 |
| 6 | Tunable Planar Focusing Based on Hyperbolic Phonon Polaritons in Î±â€MoO<sub>3</sub>. Advanced Materials, 2022, 34, e2105590. | 11.1 | 32 |
| 7 | Quasiâ€BIC Enhanced Broadband Terahertz Generation in Allâ€Dielectric Metasurface. Advanced Optical Materials, 2022, 10, . | 3.6 | 21 |
| 8 | Terahertz response of ultrafast spin polarization in semi-insulating GaAs. Applied Physics Letters, 2022, 121, 021101. | 1.5 | 1 |
| 9 | Unravelling the coupling of surface plasmons in carbon nanotubes by near-field nanoscopy. Nanoscale, 2021, 13, 12454-12459. | 2.8 | 3 |
| 10 | Plasmonic Modulation of Valleytronic Emission in Twoâ€Dimensional Transition Metal Dichalcogenides. Advanced Functional Materials, 2021, 31, 2010234. | 7.8 | 21 |
| 11 | Probing strain in wurtzite InP-InAs core-shell nanowires with Raman spectroscopy. Physical Review B, 2021, 104, . | 1.1 | 2 |
| 12 | Light-induced irreversible structural phase transition in trilayer graphene. Light: Science and Applications, 2020, 9, 174. | 7.7 | 40 |
| 13 | Plasmonic evolution of atomically size-selected Au clusters by electron energy loss spectrum. National Science Review, 2020, 8, nwaa282. | 4.6 | 5 |
| 14 | Observation and Ultrafast Dynamics of Interâ€Subâ€Band Transition in InAs Twinning Superlattice Nanowires. Advanced Materials, 2020, 32, e2004120. | 11.1 | 13 |
| 15 | Manipulating phonon polaritons in low loss<sup>11</sup>B enriched hexagonal boron nitride with polarization control. Nanoscale, 2020, 12, 8188-8193. | 2.8 | 12 |
| 16 | Extinction mechanisms of hyperbolic h-BN nanodisk*. Chinese Physics B, 2020, 29, 057802. | 0.7 | 0 |
| 17 | Near-field optics on flatland: from noble metals to van der Waals materials. Advances in Physics: X, 2019, 4, 1593051. | 1.5 | 8 |
| 18 | Tin diselenide van der Waals materials as new candidates for mid-infrared waveguide chips. Nanoscale, 2019, 11, 14113-14117. | 2.8 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Plasmon reflection reveals local electronic properties of natural graphene wrinkles*. Chinese Physics B, 2019, 28, 117302. | 0.7 | 4 |
| 20 | Spectrum-Quantified Morphological Evolution of Enzyme-Protected Silver Nanotriangles by DNA-Guided Postshaping. Journal of the American Chemical Society, 2019, 141, 19533-19537. | 6.6 | 11 |
| 21 | A mid-infrared biaxial hyperbolic van der Waals crystal. Science Advances, 2019, 5, eaav8690. | 4.7 | 243 |
| 22 | Anderson Localized Plasmon in Graphene with Random Tensileâ€Strain Distribution. Advanced Science, 2019, 6, 1801974. | 5.6 | 4 |
| 23 | Highly Confined and Tunable Hyperbolic Phonon Polaritons in Van Der Waals Semiconducting Transition Metal Oxides. Advanced Materials, 2018, 30, e1705318. | 11.1 | 178 |
| 24 | Phonon Polaritons: Highly Confined and Tunable Hyperbolic Phonon Polaritons in Van Der Waals Semiconducting Transition Metal Oxides (Adv. Mater. 13/2018). Advanced Materials, 2018, 30, 1870091. | 11.1 | 1 |
| 25 | Optically Unraveling the Edge Chiralityâ€Dependent Band Structure and Plasmon Damping in Graphene Edges. Advanced Materials, 2018, 30, e1800367. | 11.1 | 16 |
| 26 | Improving Luttinger-liquid plasmons in carbon nanotubes by chemical doping. Nanoscale, 2018, 10, 6288-6293. | 2.8 | 6 |
| 27 | Nanoimaging of Electronic Heterogeneity in Bi<sub>2</sub>Se<sub>3</sub> and Sb<sub>2</sub>Te<sub>3</sub> Nanocrystals. Advanced Electronic Materials, 2018, 4, 1700377. | 2.6 | 16 |
| 28 | Tunable Low Loss 1D Surface Plasmons in InAs Nanowires. Advanced Materials, 2018, 30, e1802551. | 11.1 | 18 |
| 29 | In Situ Twoâ€Step Photoreduced SERS Materials for Onâ€Chip Singleâ€Molecule Spectroscopy with High Reproducibility. Advanced Materials, 2017, 29, 1702893. | 11.1 | 79 |
| 30 | Intrinsic Plasmonâ€“Phonon Interactions in Highly Doped Graphene: AÂNear-Field Imaging Study. Nano Letters, 2017, 17, 5908-5913. | 4.5 | 42 |
| 31 | Launching Phonon Polaritons by Natural Boron Nitride Wrinkles with Modifiable Dispersion by Dielectric Environments. Advanced Materials, 2017, 29, 1702494. | 11.1 | 53 |
| 32 | Probing optical anisotropy of nanometer-thin van der waals microcrystals by near-field imaging. Nature Communications, 2017, 8, 1471. | 5.8 | 74 |
| 33 | Nano-infrared imaging of localized plasmons in graphene nano-resonators. Chinese Physics B, 2017, 26, 117802. | 0.7 | 9 |
| 34 | Asymmetrical plasmon reflections in tapered graphene ribbons with wrinkle edges. Chinese Physics B, 2017, 26, 074220. | 0.7 | 3 |
| 35 | Farâ€Field Spectroscopy and Nearâ€Field Optical Imaging of Coupled Plasmonâ€“Phonon Polaritons in 2D van der Waals Heterostructures. Advanced Materials, 2016, 28, 2931-2938. | 11.1 | 77 |
| 36 | Ultrahigh Surfaceâ€Enhanced Raman Scattering of Graphene from Au/Graphene/Au Sandwiched Structures with Subnanometer Gap. Advanced Optical Materials, 2016, 4, 2021-2027. | 3.6 | 38 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | A Nanoplasmonic Strategy for Precision in-situ Measurements of Tip-enhanced Raman and Fluorescence Spectroscopy. Scientific Reports, 2016, 6, 19558. | 1.6 | 32 |
| 38 | Effect of Electric Field Gradient on Sub-nanometer Spatial Resolution of Tip-enhanced Raman Spectroscopy. Scientific Reports, 2015, 5, 9240. | 1.6 | 83 |
| 39 | Controlling graphene plasmons with resonant metal antennas and spatial conductivity patterns. Science, 2014, 344, 1369-1373. | 6.0 | 292 |
| 40 | Bioorganic dye-sensitized solar cell of carotenoidâ€“pheophytin aâ€“TiO<sub>2</sub>. RSC Advances, 2014, 4, 63016-63024. | 1.7 | 15 |
| 41 | Strong Plasmon Reflection at Nanometer-Size Gaps in Monolayer Graphene on SiC. Nano Letters, 2013, 13, 6210-6215. | 4.5 | 121 |
| 42 | Experimental Verification of the Spectral Shift between Near- and Far-Field Peak Intensities of Plasmonic Infrared Nanoantennas. Physical Review Letters, 2013, 110, 203902. | 2.9 | 144 |
| 43 | Far-field disentanglement of modes in hybrid plasmonic-photonic crystals by fluorescence nano-reporters. Nanophotonics, 2013, 2, 173-185. | 2.9 | 14 |
| 44 | Resolving the electromagnetic mechanism of surface-enhanced light scattering at single hot spots. Nature Communications, 2012, 3, 684. | 5.8 | 207 |
| 45 | Intrinsic Terahertz Plasmons and Magnetoplasmons in Large Scale Monolayer Graphene. Nano Letters, 2012, 12, 2470-2474. | 4.5 | 224 |
| 46 | Optical nano-imaging of gate-tunable graphene plasmons. Nature, 2012, 487, 77-81. | 13.7 | 1,820 |
| 47 | Designer Magnetoplasmonics with Nickel Nanoferromagnets. Nano Letters, 2011, 11, 5333-5338. | 4.5 | 203 |
| 48 | Plasmonic Nickel Nanoantennas. Small, 2011, 7, 2341-2347. | 5.2 | 175 |
| 49 | Probing Strain in Bent Semiconductor Nanowires with Raman Spectroscopy. Nano Letters, 2010, 10, 1280-1286. | 4.5 | 85 |
| 50 | Surface-enhanced Raman scattering of rhodamine 6G on nanowire arrays decorated with gold nanoparticles. Nanotechnology, 2008, 19, 275712. | 1.3 | 62 |
| 51 | Visualizations of transition dipoles, charge transfer, and electron-hole coherence on electronic state transitions between excited states for two-photon absorption. Journal of Chemical Physics, 2008, 128, 064106. | 1.2 | 68 |
| 52 | Tip-enhanced Raman scattering of p-thiocresol molecules on individual gold nanoparticles. Applied Physics Letters, 2008, 92, 093110. | 1.5 | 35 |
| 53 | Ultraviolet/Visible Quasicylindrical Waves on Semimetal Cd 3 As 2 Nanoplates. Advanced Photonics Research, 0, , 2100354. | 1.7 | 3 |