Jianing Chen

List of Publications by Year in descending order

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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	Optical nano-imaging of gate-tunable graphene plasmons. Nature, 2012, 487, 77-81.	13.7	1,820
2	Controlling graphene plasmons with resonant metal antennas and spatial conductivity patterns. Science, 2014, 344, 1369-1373.	6.0	292
3	A mid-infrared biaxial hyperbolic van der Waals crystal. Science Advances, 2019, 5, eaav8690.	4.7	243
4	Intrinsic Terahertz Plasmons and Magnetoplasmons in Large Scale Monolayer Graphene. Nano Letters, 2012, 12, 2470-2474.	4.5	224
5	Resolving the electromagnetic mechanism of surface-enhanced light scattering at single hot spots. Nature Communications, 2012, 3, 684.	5.8	207
6	Designer Magnetoplasmonics with Nickel Nanoferromagnets. Nano Letters, 2011, 11, 5333-5338.	4.5	203
7	Highly Confined and Tunable Hyperbolic Phonon Polaritons in Van Der Waals Semiconducting Transition Metal Oxides. Advanced Materials, 2018, 30, e1705318.	11.1	178
8	Plasmonic Nickel Nanoantennas. Small, 2011, 7, 2341-2347.	5.2	175
9	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
10	Strong Plasmon Reflection at Nanometer-Size Gaps in Monolayer Graphene on SiC. Nano Letters, 2013, 13, 6210-6215.	4.5	121
11	Probing Strain in Bent Semiconductor Nanowires with Raman Spectroscopy. Nano Letters, 2010, 10, 1280-1286.	4.5	85
12	Effect of Electric Field Gradient on Sub-nanometer Spatial Resolution of Tip-enhanced Raman Spectroscopy. Scientific Reports, 2015, 5, 9240.	1.6	83
13	In Situ Twoâ€Step Photoreduced SERS Materials for Onâ€Chip Singleâ€Molecule Spectroscopy with High Reproducibility. Advanced Materials, 2017, 29, 1702893.	11.1	79
14	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
15	Probing optical anisotropy of nanometer-thin van der waals microcrystals by near-field imaging. Nature Communications, 2017, 8, 1471.	5.8	74
16	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
17	Surface-enhanced Raman scattering of rhodamine 6G on nanowire arrays decorated with gold nanoparticles. Nanotechnology, 2008, 19, 275712.	1.3	62
18	Launching Phonon Polaritons by Natural Boron Nitride Wrinkles with Modifiable Dispersion by Dielectric Environments. Advanced Materials, 2017, 29, 1702494.	11.1	53

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19	Intrinsic Plasmonâ€“Phonon Interactions in Highly Doped Graphene: AÂNear-Field Imaging Study. Nano Letters, 2017, 17, 5908-5913.	4.5	42
20	Light-induced irreversible structural phase transition in trilayer graphene. Light: Science and Applications, 2020, 9, 174.	7.7	40
21	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
22	Tip-enhanced Raman scattering of p-thiocresol molecules on individual gold nanoparticles. Applied Physics Letters, 2008, 92, 093110.	1.5	35
23	A Nanoplasmonic Strategy for Precision in-situ Measurements of Tip-enhanced Raman and Fluorescence Spectroscopy. Scientific Reports, 2016, 6, 19558.	1.6	32
24	Tunable Planar Focusing Based on Hyperbolic Phonon Polaritons in Î±â€MoO₃. Advanced Materials, 2022, 34, e2105590.	11.1	32
25	Active control of micrometer plasmon propagation in suspended graphene. Nature Communications, 2022, 13, 1465.	5.8	31
26	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
27	Plasmonic Modulation of Valleytronic Emission in Twoâ€Dimensional Transition Metal Dichalcogenides. Advanced Functional Materials, 2021, 31, 2010234.	7.8	21
28	Quasiâ€BIC Enhanced Broadband Terahertz Generation in Allâ€Dielectric Metasurface. Advanced Optical Materials, 2022, 10, .	3.6	21
29	Tunable Low Loss 1D Surface Plasmons in InAs Nanowires. Advanced Materials, 2018, 30, e1802551.	11.1	18
30	Optically Unraveling the Edge Chiralityâ€Dependent Band Structure and Plasmon Damping in Graphene Edges. Advanced Materials, 2018, 30, e1800367.	11.1	16
31	Nanoimaging of Electronic Heterogeneity in Bi₂Se₃ and Sb₂Te₃ Nanocrystals. Advanced Electronic Materials, 2018, 4, 1700377.	2.6	16
32	Bioorganic dye-sensitized solar cell of carotenoidâ€“pheophytin aâ€“TiO₂. RSC Advances, 2014, 4, 63016-63024.	1.7	15
33	Far-field disentanglement of modes in hybrid plasmonic-photonic crystals by fluorescence nano-reporters. Nanophotonics, 2013, 2, 173-185.	2.9	14
34	Observation and Ultrafast Dynamics of Interâ€Subâ€Band Transition in InAs Twinning Superlattice Nanowires. Advanced Materials, 2020, 32, e2004120.	11.1	13
35	Manipulating phonon polaritons in low loss¹¹B enriched hexagonal boron nitride with polarization control. Nanoscale, 2020, 12, 8188-8193.	2.8	12
36	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

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37	Nano-infrared imaging of localized plasmons in graphene nano-resonators. Chinese Physics B, 2017, 26, 117802.	0.7	9
38	Near-field optics on flatland: from noble metals to van der Waals materials. Advances in Physics: X, 2019, 4, 1593051.	1.5	8
39	Improving Luttinger-liquid plasmons in carbon nanotubes by chemical doping. Nanoscale, 2018, 10, 6288-6293.	2.8	6
40	Plasmonic evolution of atomically size-selected Au clusters by electron energy loss spectrum. National Science Review, 2020, 8, nwaa282.	4.6	5
41	Tin diselenide van der Waals materials as new candidates for mid-infrared waveguide chips. Nanoscale, 2019, 11, 14113-14117.	2.8	4
42	Plasmon reflection reveals local electronic properties of natural graphene wrinkles*. Chinese Physics B, 2019, 28, 117302.	0.7	4
43	Anderson Localized Plasmon in Graphene with Random Tensileâ€Strain Distribution. Advanced Science, 2019, 6, 1801974.	5.6	4
44	Infrared nanoimaging of nanoscale sliding dislocation of collagen fibrils. Nano Research, 2022, 15, 2355-2361.	5.8	4
45	Self-assembly and photoinduced fabrication of conductive nanographene wires on boron nitride. Nature Communications, 2022, 13, 442.	5.8	4
46	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
47	Asymmetrical plasmon reflections in tapered graphene ribbons with wrinkle edges. Chinese Physics B, 2017, 26, 074220.	0.7	3
48	Unravelling the coupling of surface plasmons in carbon nanotubes by near-field nanoscopy. Nanoscale, 2021, 13, 12454-12459.	2.8	3
49	Ultraviolet/Visible Quasicylindrical Waves on Semimetal Cd 3 As 2 Nanoplates. Advanced Photonics Research, 0, , 2100354.	1.7	3
50	Probing strain in wurtzite InP-InAs core-shell nanowires with Raman spectroscopy. Physical Review B, 2021, 104, .	1.1	2
51	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
52	Terahertz response of ultrafast spin polarization in semi-insulating GaAs. Applied Physics Letters, 2022, 121, 021101.	1.5	1
53	Extinction mechanisms of hyperbolic h-BN nanodisk*. Chinese Physics B, 2020, 29, 057802.	0.7	0