Ningning Xu

List of Publications by Year
in descending order

35	2,434	361413	477307
papers	citations	20 h-index	29 g-index

35	35	35	2351
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Broadband Metasurfaces with Simultaneous Control of Phase and Amplitude. Advanced Materials, 2014, 26, 5031-5036.	21.0	612
2	Highly flexible broadband terahertz metamaterial quarterâ€wave plate. Laser and Photonics Reviews, 2014, 8, 626-632.	8.7	217
3	Manifestation of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>P</mml:mi><mml:mi>T</mml:mi></mml:math>Symmetry Breaking in Polarization Space with Terahertz Metasurfaces. Physical Review Letters, 2014, 113, 093901.	7.8	191
4	Fano Resonances in Terahertz Metasurfaces: A Figure of Merit Optimization. Advanced Optical Materials, 2015, 3, 1537-1543.	7.3	176
5	Sharp Toroidal Resonances in Planar Terahertz Metasurfaces. Advanced Materials, 2016, 28, 8206-8211.	21.0	148
6	Defectâ€Induced Fano Resonances in Corrugated Plasmonic Metamaterials. Advanced Optical Materials, 2017, 5, 1600960.	7.3	121
7	A Tunable Dispersionâ€Free Terahertz Metadevice with Pancharatnamâ€“Berryâ€Phaseâ€Enabled Modulation and Polarization Control. Advanced Materials, 2015, 27, 6630-6636.	21.0	113
8	Monolayer graphene sensing enabled by the strong Fano-resonant metasurface. Nanoscale, 2016, 8, 17278-17284.	5.6	107
9	Polarization Control in Terahertz Metasurfaces with the Lowest Order Rotational Symmetry. Advanced Optical Materials, 2015, 3, 1176-1183.	7.3	87
10	Dual control of active grapheneâ€“silicon hybrid metamaterial devices. Carbon, 2015, 90, 146-153.	10.3	85
11	Electromagnetically induced absorption in a three-resonator metasurface system. Scientific Reports, 2015, 5, 10737.	3.3	78
12	Terahertz sensing of highly absorptive water-methanol mixtures with multiple resonances in metamaterials. Optics Express, 2017, 25, 14089.	3.4	73
13	Dual-Wavelength Terahertz Metasurfaces with Independent Phase and Amplitude Control at Each Wavelength. Scientific Reports, 2016, 6, 34020.	3.3	59
14	Active metasurface terahertz deflector with phase discontinuities. Optics Express, 2015, 23, 27152.	3.4	53
15	High-Q lattice mode matched structural resonances in terahertz metasurfaces. Applied Physics Letters, 2016, 109, .	3.3	48
16	Dynamic mode coupling in terahertz metamaterials. Scientific Reports, 2015, 5, 10823.	3.3	41
17	A New Ba_{0.6}Sr_{0.4}TiO₃â€“Silicon Hybrid Metamaterial Device in Terahertz Regime. Small, 2016, 12, 2610-2615.	10.0	38
18	Tailoring the Electromagnetically Induced Transparency and Absorbance in Coupled Fanoâ€“Lorentzian Metasurfaces: A Classical Analog of a Fourâ€Level Tripod Quantum System. Advanced Optical Materials, 2016, 4, 1179-1185.	7.3	32

#	Article	IF	Citations
19	Resonance tuning due to Coulomb interaction in strong near-field coupled metamaterials. Journal of Applied Physics, 2015, 118, .	2.5	27
20	Broadband Terahertz Transparency in a Switchable Metasurface. IEEE Photonics Journal, 2015, 7, 1-8.	2.0	23
21	Broadband terahertz metamaterial absorber with two interlaced fishnet layers. AIP Advances, 2018, 8, .	1.3	19
22	Spoof surface plasmon polaritons in terahertz transmission through subwavelength hole arrays analyzed by coupled oscillator model. Scientific Reports, 2015, 5, 16440.	3.3	17
23	Collective coherence in nearest neighbor coupled metamaterials: A metasurface ruler equation. Journal of Applied Physics, 2015, 118, .	2.5	16
24	Determination of plane stress state using terahertz time-domain spectroscopy. Scientific Reports, 2016, 6, 36308.	3.3	14
25	Characterization of Thin Metal Films Using Terahertz Spectroscopy. IEEE Transactions on Terahertz Science and Technology, 2018, 8, 161-164.	3.1	12
26	Nonradiative and Radiative Resonances in Coupled Metamolecules. Advanced Optical Materials, 2016, 4, 252-258.	7.3	11
27	Observation of Phase Transitions of Ba0.6Sr0.4TiO3â€“Silicon Hybrid Metamaterial by THz Spectra. ACS Applied Electronic Materials, 2020, 2, 2449-2453.	4.3	6
28	Active KTaO3 hybrid terahertz metamaterial. Scientific Reports, 2017, 7, 6072.	3.3	5
29	Metamaterials: A New Ba0.6Sr0.4TiO3-Silicon Hybrid Metamaterial Device in Terahertz Regime (Small) Tj ETQq1 1 0.784314 rgBT /Ov	10.0	4
30	Observation of electromagnetically induced absorption in a three-resonator system. , 2014, , .		1
31	Active graphene-silicon hybrid metamaterial devices. , 2014, , .		0
32	Analysis of fano coupling in terahertz sub-wavelength hole arrays with coupled oscillator model. , 2015, , .		0
33	Tunable dispersion-free polarization control with terahertz metamaterials. , 2016, , .		0
34	Planar toroidal metamaterials. , 2016, , .		0
35	THz dual-band metasurfaces. , 2016, , .		0