

# Ningning Xu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11162485/publications.pdf>

Version: 2024-02-01

35  
papers

2,434  
citations

361413

20  
h-index

477307

29  
g-index

35  
all docs

35  
docs citations

35  
times ranked

2351  
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of Phase Transitions of Ba <sub>0.6</sub> Sr <sub>0.4</sub> TiO <sub>3</sub> –Silicon Hybrid Metamaterial by THz Spectra. ACS Applied Electronic Materials, 2020, 2, 2449-2453.	4.3	6
2	Characterization of Thin Metal Films Using Terahertz Spectroscopy. IEEE Transactions on Terahertz Science and Technology, 2018, 8, 161-164.	3.1	12
3	Broadband terahertz metamaterial absorber with two interlaced fishnet layers. AIP Advances, 2018, 8, .	1.3	19
4	Defect-Induced Fano Resonances in Corrugated Plasmonic Metamaterials. Advanced Optical Materials, 2017, 5, 1600960.	7.3	121
5	Active KTaO <sub>3</sub> hybrid terahertz metamaterial. Scientific Reports, 2017, 7, 6072.	3.3	5
6	Terahertz sensing of highly absorptive water-methanol mixtures with multiple resonances in metamaterials. Optics Express, 2017, 25, 14089.	3.4	73
7	A New Ba <sub>0.6</sub> Sr <sub>0.4</sub> TiO <sub>3</sub> –Silicon Hybrid Metamaterial Device in Terahertz Regime. Small, 2016, 12, 2610-2615.	10.0	38
8	Metamaterials: A New Ba <sub>0.6</sub> Sr <sub>0.4</sub> TiO <sub>3</sub> -Silicon Hybrid Metamaterial Device in Terahertz Regime (Small) Tj ETQq0 0 0 rBT /Overlock 10 T	10.0	4
9	Nonradiative and Radiative Resonances in Coupled Metamolecules. Advanced Optical Materials, 2016, 4, 252-258.	7.3	11
10	Determination of plane stress state using terahertz time-domain spectroscopy. Scientific Reports, 2016, 6, 36308.	3.3	14
11	High-Q lattice mode matched structural resonances in terahertz metasurfaces. Applied Physics Letters, 2016, 109, .	3.3	48
12	Monolayer graphene sensing enabled by the strong Fano-resonant metasurface. Nanoscale, 2016, 8, 17278-17284.	5.6	107
13	Sharp Toroidal Resonances in Planar Terahertz Metasurfaces. Advanced Materials, 2016, 28, 8206-8211.	21.0	148
14	Dual-Wavelength Terahertz Metasurfaces with Independent Phase and Amplitude Control at Each Wavelength. Scientific Reports, 2016, 6, 34020.	3.3	59
15	Tunable dispersion-free polarization control with terahertz metamaterials. , 2016, , .		0
16	Planar toroidal metamaterials. , 2016, , .		0
17	Tailoring the Electromagnetically Induced Transparency and Absorbance in Coupled Fano- Lorentzian Metasurfaces: A Classical Analog of a Four-Level Tripod Quantum System. Advanced Optical Materials, 2016, 4, 1179-1185.	7.3	32
18	THz dual-band metasurfaces. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
19	Collective coherence in nearest neighbor coupled metamaterials: A metasurface ruler equation. Journal of Applied Physics, 2015, 118, .	2.5	16
20	Resonance tuning due to Coulomb interaction in strong near-field coupled metamaterials. Journal of Applied Physics, 2015, 118, .	2.5	27
21	Spoof surface plasmon polaritons in terahertz transmission through subwavelength hole arrays analyzed by coupled oscillator model. Scientific Reports, 2015, 5, 16440.	3.3	17
22	Fano Resonances in Terahertz Metasurfaces: A Figure of Merit Optimization. Advanced Optical Materials, 2015, 3, 1537-1543.	7.3	176
23	A Tunable Dispersion-Free Terahertz Metadevice with Pancharatnam-Berry-Phase-Enabled Modulation and Polarization Control. Advanced Materials, 2015, 27, 6630-6636.	21.0	113
24	Electromagnetically induced absorption in a three-resonator metasurface system. Scientific Reports, 2015, 5, 10737.	3.3	78
25	Dynamic mode coupling in terahertz metamaterials. Scientific Reports, 2015, 5, 10823.	3.3	41
26	Analysis of fano coupling in terahertz sub-wavelength hole arrays with coupled oscillator model. , 2015, , .		0
27	Active metasurface terahertz deflector with phase discontinuities. Optics Express, 2015, 23, 27152.	3.4	53
28	Broadband Terahertz Transparency in a Switchable Metasurface. IEEE Photonics Journal, 2015, 7, 1-8.	2.0	23
29	Polarization Control in Terahertz Metasurfaces with the Lowest Order Rotational Symmetry. Advanced Optical Materials, 2015, 3, 1176-1183.	7.3	87
30	Dual control of active graphene-silicon hybrid metamaterial devices. Carbon, 2015, 90, 146-153.	10.3	85
31	Observation of electromagnetically induced absorption in a three-resonator system. , 2014, , .		1
32	Highly flexible broadband terahertz metamaterial quarter-wave plate. Laser and Photonics Reviews, 2014, 8, 626-632.	8.7	217
33	Broadband Metasurfaces with Simultaneous Control of Phase and Amplitude. Advanced Materials, 2014, 26, 5031-5036.	21.0	612
34	Manifestation of $P < T >$ Symmetry Breaking in Polarization Space with Terahertz Metasurfaces. Physical Review Letters, 2014, 113, 093901.	7.8	191
35	Active graphene-silicon hybrid metamaterial devices. , 2014, , .		0