Tingyin Ning

List of Publications by Year
in descending order

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48 papers	949 citations	623188 14 h-index	454577 30 g-index
48 all docs	48 docs citations	48 times ranked	1044 citing authors

#	Article	IF	Citations
1	All-optical switching in subwavelength metallic grating structure containing nonlinear optical materials. Optics Letters, 2008, 33, 869.	1.7	210
2	3D silver nanoparticles with multilayer graphene oxide as a spacer for surface enhanced Raman spectroscopy analysis. Nanoscale, 2018, 10, 5897-5905.	2.8	145
3	Strong second-harmonic generation in silicon nitride films. Applied Physics Letters, 2012, 100, 161902.	1.5	60
4	Theoretical design of a surface plasmon resonance sensor with high sensitivity and high resolution based on grapheneâ€“WS₂ hybrid nanostructures and Auâ€“Ag bimetallic film. RSC Advances, 2017, 7, 47177-47182.	1.7	50
5	Giant enhancement of harmonic generation in all-dielectric resonant waveguide gratings of quasi-bound states in the continuum. Optics Express, 2020, 28, 34024.	1.7	47
6	Efficient second-harmonic generation in silicon nitride resonant waveguide gratings. Optics Letters, 2012, 37, 4269.	1.7	42
7	Third-harmonic UV generation in silicon nitride nanostructures. Optics Express, 2013, 21, 2012.	1.7	37
8	Ultimate conversion efficiency of second harmonic generation in all-dielectric resonators of quasi-BICs in consideration of nonlinear refraction of dielectrics. Optics Express, 2021, 29, 17286.	1.7	26
9	Large optical nonlinearity in CaCu3Ti4O12 thin films. Applied Physics A: Materials Science and Processing, 2009, 94, 567-570.	1.1	24
10	Low-threshold and controllable nanolaser based on quasi-BIC supported by an all-dielectric eccentric nanoring structure. Optics Express, 2021, 29, 12634.	1.7	18
11	Grating-Assisted Surface Plasmon Resonance for Enhancement of Optical Harmonic Generation in Graphene. Plasmonics, 2019, 14, 1911-1918.	1.8	17
12	Third-order optical nonlinearity in silicon nitride films prepared using magnetron sputtering and application for optical bistability. Journal of Applied Physics, 2019, 125, .	1.1	17
13	LSPR optical fiber sensor based on 3D gold nanoparticles with monolayer graphene as a spacer. Optics Express, 2022, 30, 10187.	1.7	17
14	Highly-sensitive sensor based on toroidal dipole governed by bound state in the continuum in dielectric non-coaxial core-shell cylinder. Optics Express, 2022, 30, 19030.	1.7	17
15	Enhanced femtosecond optical nonlinearity of Mn doped Ba0.6Sr0.4TiO3 films. Journal of Applied Physics, 2011, 109, .	1.1	14
16	Composite Structure Based on Gold-Nanoparticle Layer and HMM for Surface-Enhanced Raman Spectroscopy Analysis. Nanomaterials, 2021, 11, 587.	1.9	14
17	Second-harmonic response of multilayer nanocomposites of silver-decorated nanoparticles and silica. Scientific Reports, 2014, 4, 5745.	1.6	13
18	Effect of structure on nonlinear optical properties in CaCu3Ti4O12 films. Journal of Applied Physics, 2015, 118, .	1.1	12

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19	Heterointerface-Enhanced Ultrafast Optical Switching via Manipulating Metamaterial-Induced Transparency in a Hybrid Terahertz Graphene Metamaterial. ACS Applied Materials & Interfaces, 2021, 13, 13565-13575.	4.0	12
20	Watt-level ultrafast bulk laser with a graphdiyne saturable absorber mirror. Optics Letters, 2020, 45, 5554.	1.7	12
21	Third-order optical nonlinearity of gold nanoparticle arrays embedded in a BaTiO_3 matrix. Applied Optics, 2009, 48, 375.	2.1	11
22	Third-harmonic generation from gold nanowires of rough surface considering classical nonlocal effect. Optics Express, 2017, 25, 6372.	1.7	11
23	Electric Field-Modulated Surface Enhanced Raman Spectroscopy by PVDF/Ag Hybrid. Scientific Reports, 2020, 10, 5269.	1.6	11
24	Decrease and enhancement of third-order optical nonlinearity in metalâ€“dielectric composite films. Applied Physics Letters, 2018, 112, .	1.5	10
25	Ultrahigh Modulation Enhancement in All-Optical Si-Based THz Modulators Integrated with Gold Nanobipyramids. Nano Letters, 2022, 22, 1541-1548.	4.5	9
26	Third-order optical nonlinearity in nonstoichiometric amorphous silicon carbide films. Journal of Alloys and Compounds, 2019, 794, 518-524.	2.8	8
27	Bistability of optical harmonic generation in monolayer graphene plasmonics. Optics Letters, 2021, 46, 1029.	1.7	8
28	Broadband and Ultra-Low Threshold Optical Bistability in Guided-Mode Resonance Grating Nanostructures of Quasi-Bound States in the Continuum. Nanomaterials, 2021, 11, 2843.	1.9	8
29	Ordered multilayer silica-metal nanocomposites for second-order nonlinear optics. Applied Physics Letters, 2013, 103, 251907.	1.5	6
30	A low lasing threshold and widely tunable spaser based on two dark surface plasmons. Scientific Reports, 2017, 7, 13590.	1.6	6
31	Metallic Waveguide Transmitarray Antennas for Generating Multibeams With High Gain and Optional Polarized States in the F-band. Journal of Lightwave Technology, 2021, 39, 7210-7216.	2.7	6
32	Evolution of optical harmonic generation near bound-states in the continuum in hybrid plasmonic-photonic structures. Optics Express, 2022, 30, 26455.	1.7	6
33	Geometric effect on second harmonic generation from gold grating. Optics Communications, 2018, 415, 146-150.	1.0	5
34	Enhanced third harmonic generation from sinusoidal graphene gratings. Journal of Optics (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.0	5
35	Optical bistability in gap-plasmon metasurfaces in consideration of classical nonlocal effects. Optics Express, 2020, 28, 20532.	1.7	5
36	Pyroelectric properties of CaCu3Ti4O12 thin films grown byÂpulsed laser deposition. Applied Physics A: Materials Science and Processing, 2010, 99, 849-852.	1.1	3

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37	A sensitive 2D plasmon ruler based on Fano resonance. RSC Advances, 2016, 6, 81757-81762.	1.7	3
38	Third-order optical nonlinearity in silicon oxycarbide films. Optical Materials, 2020, 104, 109945.	1.7	3
39	Spaser based on dark quadrupole surface plasmon mode of a trapezoidal nanoring. Optics Communications, 2020, 465, 125485.	1.0	3
40	Graphene Nanoribbon Gap Waveguides for Dispersionless and Low-Loss Propagation with Deep-Subwavelength Confinement. Nanomaterials, 2021, 11, 1302.	1.9	3
41	Low-Threshold Nanolaser Based on Hybrid Plasmonic Waveguide Mode Supported by Metallic Grating Waveguide Structure. Nanomaterials, 2021, 11, 2555.	1.9	3
42	Second Harmonic Generation from Ultrathin Gold Nanotubes. Plasmonics, 2016, 11, 1629-1636.	1.8	2
43	Near-infrared third-order optical nonlinearity in CaCu₃Ti₄O12 thin films. Journal of Nonlinear Optical Physics and Materials, 2018, 27, 1850014.	1.1	2
44	Third-order optical nonlinearity of niobium-rich lithium niobate thin films. Optical Materials, 2021, 114, 110914.	1.7	2
45	Passively Q-Switched Yb:CALGO Laser Based on Mo:BiVO4 Absorber. Nanomaterials, 2021, 11, 2364.	1.9	2
46	Metallic waveguide transmitarrays for dual-band multibeam terahertz antennas. Applied Physics Letters, 2021, 119, .	1.5	2
47	Application of Hyperspectral Imaging in Measurement Real-Time of Seeds. , 2016, , .		1
48	Impact of nonlocal response in plasmonic metasurfaces on four-wave mixing. New Journal of Physics, 2021, 23, 125005.	1.2	1