Tian Yang

List of Publications by Year
in descending order

72 papers	1,513 citations	471371 17 h-index	315616 38 g-index
72 all docs	72 docs citations	72 times ranked	1869 citing authors

#	Article	IF	Citations
1	Auto-fluorescence of cellulose paper with spatial solid phrase dispersion-induced fluorescence enhancement behavior for three heavy metal ions detection. Food Chemistry, 2022, 389, 133093.	4.2	17
2	Size Effect of Zwitterionic Peptide-Based Nanoscale Micelles on Cancer Therapy. ACS Applied Nano Materials, 2022, 5, 9344-9355.	2.4	4
3	3D Interlayer Slidable Multilayer Nano-Graphene Oxide Acrylate Crosslinked Tough Hydrogel. Langmuir, 2022, 38, 8200-8210.	1.6	3
4	Scanning probe microscopy by localized surface plasmon resonance at fiber taper tips. Review of Scientific Instruments, 2021, 92, 093702.	0.6	1
5	Rapid Detection of Dimethoate in Soybean Samples by Microfluidic Paper Chips Based on Oil-Soluble CdSe Quantum Dots. Foods, 2021, 10, 2810.	1.9	2
6	How to convincingly measure low concentration samples with optical label-free biosensors. Sensors and Actuators B: Chemical, 2020, 306, 127568.	4.0	12
7	Surface-Emitting Surface Plasmon Polariton Laser in a Second-Order Distributed Feedback Defect Cavity. ACS Photonics, 2019, 6, 612-619.	3.2	4
8	Enhancing the Efficiencies of Organic Photovoltaic and Organic Light-Emitting Diode Devices by Regular Nano-Wrinkle Patterns. Journal of Shanghai Jiaotong University (Science), 2018, 23, 45-51.	0.5	5
9	Novel RAS inhibitor 25-O-methylalisol F attenuates epithelial-to-mesenchymal transition and tubulo-interstitial fibrosis by selectively inhibiting TGF-Î²-mediated Smad3 phosphorylation. Phytomedicine, 2018, 42, 207-218.	2.3	93
10	Central role of dysregulation of TGF-Î²/Smad in CKD progression and potential targets of its treatment. Biomedicine and Pharmacotherapy, 2018, 101, 670-681.	2.5	250
11	[INVITED] Surface plasmon cavities on optical fiber end-facets for biomolecule and ultrasound detection. Optics and Laser Technology, 2018, 101, 468-478.	2.2	23
12	Ultrasound detection at fiber end-facets with surface plasmon resonance cavities. Optics Letters, 2018, 43, 775.	1.7	17
13	Converting State of Polarization With a Miniaturized Metasurface Device. IEEE Photonics Technology Letters, 2017, 29, 615-618.	1.3	16
14	Second-order distributed-feedback surface plasmon resonator for single-mode fiber end-facet biosensing. Applied Physics Letters, 2017, 110, .	1.5	11
15	Ultrasound detection with surface plasmon resonance on fiber end-facet. , 2017, , .		1
16	Stepwise Quantum Phonon Pumping in Surface-Enhanced Raman Scattering. , 2017, , .		1
17	Efficient Four-Wave Mixing in Loaded Nanoscale Plasmonic Hotspots. , 2017, , .		0
18	Plasmonic distributed feedback cavity with a phase shift on single-mode optical fiber end facet for label-free biosensing (Conference Presentation). , 2017, , .		0

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19	Observation of Single Molecule Dynamic Behaviors with SERS: Desorption and Conformation Switching. , 2016, , .		1
20	Gap plasmon resonator arrays for unidirectional launching and shaping of surface plasmon polaritons. Applied Physics Letters, 2016, 108, 161105.	1.5	9
21	Plasmonic crystal cavity on single-mode optical fiber end facet for label-free biosensing. Applied Physics Letters, 2016, 108, .	1.5	36
22	Sensitive SERS measurement with a single nanoshell-plane junction under radially polarized focused excitation. , 2016, , .		0
23	Reproducible Ultrahigh SERS Enhancement in Single Deterministic Hotspots Using Nanosphere-Plane Antennas Under Radially Polarized Excitation. Scientific Reports, 2016, 6, 33218.	1.6	25
24	Plasmonic Crystal Cavity on Optical Fiber End Facet for High Performance Label-Free Biosensing. , 2016, , .		0
25	Scanning metallic nanosphere microscopy for vectorial profiling of optical focal spots. Optics Express, 2015, 23, 8338.	1.7	6
26	In-Situ and Real-Time Monitoring of Chemical Reactions Enabled by Ultra-Sensitive and Reproducible SERS. , 2015, , .		2
27	Ultra Compact Metasurface Radial/Azimuthal Polarization Converter. , 2015, , .		1
28	Aperiodic Gap Plasmon Resonators for Unidirectional Launching and Shaping of Surface Plasmon Polaritons. , 2015, , .		0
29	Surface Plasmon Resonance Sensors on the End Facets of Bare Single-mode Optical Fibers. , 2014, , .		0
30	1010 Electromagnetic SERS enhancement in a nanosphere-plane junction under radially polarized focused excitation. , 2014, , .		1
31	Polymorphism in miRNA-1 target site and circulating miRNA-1 phenotype are associated with the decreased risk and prognosis of coronary artery disease. International Journal of Clinical and Experimental Pathology, 2014, 7, 5093-102.	0.5	5
32	Generation of diffraction-free optical beams using wrinkled membranes. Scientific Reports, 2013, 3, 2775.	1.6	17
33	Transferring Planar Surface Plasmon Resonance Structures onto Fiber End Facets and Integration with Microfluidics. , 2013, , .		2
34	Thin Film Lenses with Microscale Wrinkles. , 2013, , .		0
35	Sub-Wavelength Full-Vectorial Profiling of Optical Focus. , 2013, , .		0
36	Optical antennas integrated with concentric ring gratings: electric field enhancement and directional radiation. Optics Express, 2011, 19, 2148.	1.7	59

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37	Vertical optical antennas integrated with spiral ring gratings for large local electric field enhancement and directional radiation. Optics Express, 2011, 19, 10049.	1.7	19
38	Optical nanofocusing by tapering coupled photonic-plasmonic waveguides. Optics Express, 2011, 19, 12865.	1.7	34
39	Planar coupling and nanofocusing with metallic strip tapers. , 2011, , .		0
40	Surface Enhanced Raman Scattering in Vertical Nano Optical Antennas Integrated with Spiral Ring Gratings. , 2011, , .		0
41	Sub-wavelength plasmonic readout for direct linear analysis of optically tagged DNA. Proceedings of SPIE, 2010, , .	0.8	1
42	Experimental characterization of dispersion in plasmonic nanostripes for integrated DNA sensing. Proceedings of SPIE, 2010, , .	0.8	2
43	Charge and current reservoirs for electric and magnetic field enhancement. Optics Express, 2010, 18, 10388.	1.7	22
44	Quantum Dot Microcavity Lasers. , 2010, , 10â€šÃ„Ã¬1-10â€šÃ„Ã¬23.		0
45	120Î¼W peak output power from edge-emitting photonic crystal double-heterostructure nanocavity lasers. Applied Physics Letters, 2009, 94, 111101.	1.5	17
46	Modified Surface Plasmon Antenna for Localized Field Enhancement. , 2009, , .		0
47	Analysis of surface plasmon waves in metaldielectric- metal structures and the criterion for negative refractive index. Optics Express, 2009, 17, 1136.	1.7	24
48	Surface plasmon resonances of optical antenna atomic force microscope tips. Applied Physics Letters, 2009, 94, 171107.	1.5	43
49	The Sign of Refractive Index of Surface Plasmons in Metal-Dielectric-Metal Structures. , 2009, , .		0
50	Dispersion and extinction of surface plasmons in an array of gold nanoparticle chains: influence of the air/glass interface. Optics Express, 2008, 16, 8570.	1.7	37
51	Surface plasmon coupling in periodic metallic nanoparticle structures: a semi-analytical model. Optics Express, 2008, 16, 13070.	1.7	16
52	Experimental observation of narrow surface plasmon resonances in gold nanoparticle arrays. Applied Physics Letters, 2008, 93, .	1.5	459
53	Surface plasmons in periodically coupled gold nanoparticles: A semi-analytical model. , 2008, , .		0
54	Dispersion and Extinction of the Plasmon Mode in a Gold Nanoparticle Array at an Air/Glass Interface. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	1

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55	Room temperature InGaSb quantum well microcylinder lasers at 2â€‚Î¼m grown monolithically on a silicon substrate. Journal of Vacuum Science & Technology B, 2007, 25, 1622.	1.3	9
56	60 microWatts of Fiber-Coupled Peak Output Power from an Edge-Emitting Photonic Crystal Heterostructure Laser. , 2007, , .		3
57	Edge-emitting photonic crystal double-heterostructure nanocavity lasers with InAs quantum dot active material. Optics Letters, 2007, 32, 1153.	1.7	24
58	Lasing characteristics of InAs quantum dot microcavity lasers as a function of temperature and wavelength. Optics Express, 2007, 15, 7281.	1.7	14
59	Experimental measurement of the dispersion relations of the surface plasmon modes of metal nanoparticle chains. Optics Express, 2007, 15, 17482.	1.7	97
60	Photonic Crystal Devices. , 2006, , .		1
61	Experimental characterization of the optical loss of sapphire-bonded photonic crystal laser cavities. IEEE Photonics Technology Letters, 2006, 18, 535-537.	1.3	24
62	Photonic crystal double-heterostructure nanocavity InAs quantum dot laser with waveguide output coupling. , 2006, , .		1
63	Room Temperature InGaSb Quantum Well Microcylinder Lasers at 2 Î¼m Grown Monolithically on a Silicon Substrate. , 2006, , .		0
64	Lasing Behavior of InAs Quantum Dot Micro-Cavities as a Function of Wavelength and Temperature. , 2006, , .		1
65	Photonic crystal lasers with quantum dots active regions and their temperature dependence. , 2005, , .		0
66	Classification of modes in suspended-membrane, 19-missing-hole photonic-crystal microcavities. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 1092.	0.9	12
67	InAs quantum dot photonic crystal lasers and their temperature dependence. IEEE Photonics Technology Letters, 2005, 17, 2244-2246.	1.3	14
68	Optical loss determination of sapphire-bonded photonic crystal laser cavities by varying the number of photonic crystal cladding periods. , 2005, , .		0
69	Room temperature, continuous-wave lasing near 1300â€…nm in microdisks with quantum dot active regions. Electronics Letters, 2003, 39, 1657.	0.5	13
70	Photonic crystal lasers. , 2003, , .		1
71	Investigation of the optical losses in photonic crystal laser cavities by varying the number of lattice periods. , 0, , .		0
72	Photonic Crystal Devices. , 0, , .		0