

Ting Mei

List of Publications by Year in descending order

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132
papers

2,848
citations

236612

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133
all docs

133
docs citations

133
times ranked

3062
citing authors

#	ARTICLE	IF	CITATIONS
1	Tip-enhanced four-wave mixing internally illuminated by ultrafast vector light field. <i>Optics Letters</i> , 2022, 47, 1037-1040.	1.7	0
2	Enhancing electromagnetic field gradient in tip-enhanced Raman spectroscopy with a perfect radially polarized beam. <i>Optics Express</i> , 2022, 30, 21377.	1.7	2
3	Thermal energy dependent transient permittivity of epsilon-near-zero material. <i>Science China: Physics, Mechanics and Astronomy</i> , 2022, 65, .	2.0	4
4	Optical Chirality Enhancement in Hollow Silicon Disk by Dipolar Interference. <i>Advanced Optical Materials</i> , 2021, 9, 2001771.	3.6	9
5	Tip-Based Plasmonic Nanofocusing: Vector Field Engineering and Background Elimination. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021, 27, 1-12.	1.9	5
6	Optical Characteristics of Metasurfaces at Meta-Atom Anapole. <i>IEEE Photonics Journal</i> , 2021, 13, 1-7.	1.0	1
7	Nanowatt simple microcalorimetry for dynamically monitoring the defense mechanism of <i>Paramecium caudatum</i> . <i>Sensors and Actuators A: Physical</i> , 2021, 323, 112643.	2.0	9
8	Intermediate Phase-Change States with Improved Cycling Durability of Sb_2S_3 by Femtosecond Multi-Pulse Laser Irradiation. <i>Advanced Functional Materials</i> , 2021, 31, 2103327.	7.8	34
9	Nanometric displacement sensor with a switchable measuring range using a cylindrical vector beam excited silicon nanoantenna. <i>Optics Express</i> , 2021, 29, 25109.	1.7	4
10	Nanofocusing of a metallized double periodic arranged nanocone array for surface-enhanced Raman spectroscopy. <i>Optics Express</i> , 2021, 29, 28086.	1.7	3
11	An All-Fiber Mode-Locked Pulse Laser by Fiber Bragg Grating-Based Acousto-Optic Frequency Shifter. <i>Journal of Lightwave Technology</i> , 2021, 39, 6288-6293.	2.7	5
12	Generation of polarization and phase singular beams in fibers and fiber lasers. <i>Advanced Photonics</i> , 2021, 3, .	6.2	89
13	Extracting epsilon-near-zero wavelength of ultrathin plasmonic film. <i>Applied Optics</i> , 2021, 60, 9774.	0.9	4
14	Metallic nanosphere-assisted coupling ultrafast surface plasmon polaritons background-free tip nanofocusing. <i>Optics Letters</i> , 2021, 46, 5554-5557.	1.7	0
15	Circular nanocavity substrate-assisted plasmonic tip for its enhancement in nanofocusing and optical trapping. <i>Optics Express</i> , 2021, 29, 37515.	1.7	2
16	Physical vapor deposition of large-scale PbSe films and its applications in pulsed fiber lasers. <i>Nanophotonics</i> , 2020, 9, 2367-2375.	2.9	11
17	Plasmon-enhanced linear and second-order surface nonlinear optical response of silver nanoparticles fabricated using a femtosecond pulse. <i>Nanotechnology</i> , 2020, 31, 035305.	1.3	7
18	Au-InSe van der Waals Schottky junctions with ultralow reverse current and high photosensitivity. <i>Nanoscale</i> , 2020, 12, 4094-4100.	2.8	31

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19	Magnetic plasmon resonances in nanostructured topological insulators for strongly enhanced light-MoS ₂ interactions. Light: Science and Applications, 2020, 9, 191.	7.7	52
20	Excellent Anapole by Decoupling Electric Multipoles of Ag/Si Core-Shell Nanoparticles. Journal of Physical Chemistry C, 2020, 124, 19252-19258.	1.5	9
21	Selective Remote-Excitation of Gap Mode in Metallic Nanowire-Nanoparticle System Using Chiral Surface Plasmon Polaritons. IEEE Journal of Quantum Electronics, 2020, 56, 1-6.	1.0	9
22	The Design of CMOS-Compatible Plasmonic Waveguides for Intra-Chip Communication. IEEE Photonics Journal, 2020, 12, 1-10.	1.0	2
23	Tuning epsilon-near-zero wavelength of indium tin oxide film via annealing. Journal Physics D: Applied Physics, 2020, 53, 225108.	1.3	16
24	Plasmon-induced hot electrons emission enhanced by Fabry-Perot cavity resonance on SOI. Optics Communications, 2020, 473, 125930.	1.0	2
25	Plasmon-enhanced nonlinear nanofocusing of gold nanoprisms driven via an ultrafast azimuthal vector beam. Nanoscale, 2020, 12, 7045-7050.	2.8	4
26	Optical trapping of single nano-size particles using a plasmonic nanocavity. Journal of Physics Condensed Matter, 2020, 32, 475301.	0.7	8
27	Plasmonic color filter based on a hetero-metal-insulator-metal grating. Applied Optics, 2020, 59, 4432.	0.9	5
28	Reversible optical binding force in a plasmonic heterodimer under radially polarized beam illumination. Optics Express, 2020, 28, 3000.	1.7	6
29	Lab on D-shaped fiber excited via azimuthally polarized vector beam for surface-enhanced Raman spectroscopy. Optics Express, 2020, 28, 12071.	1.7	8
30	Role of hot electron scattering in epsilon-near-zero optical nonlinearity. Nanophotonics, 2020, 9, 4287-4293.	2.9	11
31	Second-order surface optical nonlinear response of plasmonic tip axially excited via ultrafast vector beams. Applied Physics Express, 2020, 13, 032002.	1.1	4
32	Plasmonic cuboid array embedded in silicon for polarization-insensitive hot electron photodetection. Optik, 2020, 224, 165544.	1.4	0
33	Strong Coupling between Dark Plasmon and Anapole Modes. Journal of Physical Chemistry Letters, 2019, 10, 4699-4705.	2.1	35
34	Extended Drude Model for Intraband-Transition-Induced Optical Nonlinearity. Physical Review Applied, 2019, 11, .	1.5	30
35	Surface-Enhanced Raman Spectroscopy Based on a Silver-Film Semi-Coated Nanosphere Array. Sensors, 2019, 19, 3966.	2.1	15
36	Highly efficient plasmonic nanofocusing on a metallized fiber tip with internal illumination of the radial vector mode using an acousto-optic coupling approach. Nanophotonics, 2019, 8, 921-929.	2.9	27

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37	Nanofocusing of Surface Plasmon Polaritons on Metal-Coated Fiber Tip Under Internal Excitation of Radial Vector Beam. Plasmonics, 2019, 14, 1593-1599.	1.8	10
38	Plasmonic Tip Internally Excited via Cylindrical Vector Beam for Surface Enhanced Raman Spectroscopy. , 2019, , .		0
39	Nanofocusing of Plasmonic Tip Based on External and Internal Excitation. , 2019, , .		0
40	Grating-assisted coupling enhancing plasmonic tip nanofocusing illuminated via radial vector beam. Nanophotonics, 2019, 8, 2303-2311.	2.9	12
41	Low-cost and highly accessible technology based on radially polarized beam-excited plasmonic microfiber for label-free Raman detection. APL Photonics, 2019, 4, 116101.	3.0	6
42	Near-infrared photodetection with plasmon-induced hot electrons using silicon nanopillar array structure. Nanotechnology, 2019, 30, 075204.	1.3	16
43	Characterizing localized surface plasmon resonances using focused radially polarized beam. Applied Optics, 2019, 58, 5812.	0.9	7
44	Unidirectional scattering exploited transverse displacement sensor with tunable measuring range. Optics Express, 2019, 27, 4944.	1.7	15
45	All-fiber frequency shifter consisting of a fiber Bragg grating modulated via an acoustic flexural wave for optical heterodyne measurement. Optics Letters, 2019, 44, 3725.	1.7	6
46	Silica nanocone array as a template for fabricating a plasmon induced hot electron photodetector. Photonics Research, 2019, 7, 294.	3.4	15
47	Plasmonic tip internally excited via an azimuthal vector beam for surface enhanced Raman spectroscopy. Photonics Research, 2019, 7, 526.	3.4	23
48	Selective excitation of a three-dimensionally oriented single plasmonic dipole. Photonics Research, 2019, 7, 693.	3.4	10
49	Azimuthal vector beam exciting silver triangular nanoprisms for increasing the performance of surface-enhanced Raman spectroscopy. Photonics Research, 2019, 7, 1447.	3.4	13
50	Radial breathing modes coupling in plasmonic molecules. Optics Express, 2019, 27, 5116.	1.7	2
51	Enhanced second-harmonic generation assisted by breathing mode in a multi-resonant plasmonic trimer. Optics Letters, 2019, 44, 3813.	1.7	2
52	Surface-enhanced Raman spectroscopy with Au-nanoparticle substrate fabricated by using femtosecond pulse. Nanotechnology, 2018, 29, 205301.	1.3	21
53	Nonlocal Effects on Field Enhancement in Dimer. Plasmonics, 2018, 13, 2261-2266.	1.8	0
54	Plasmonic slow light waveguide with hyperbolic metamaterials claddings. Journal of Optics (United Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.0	16

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55	Enhanced second harmonic generation from a plasmonic Fano structure subjected to an azimuthally polarized light beam. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 064004.	0.7	7
56	Tunable-wavelength picosecond vortex generation in fiber and its application in frequency-doubled vortex. <i>Journal of Optics (United Kingdom)</i> , 2018, 20, 014004.	1.0	6
57	Broadband polarization-insensitive saturable absorption of Fe ₂ O ₃ nanoparticles. <i>Nanoscale</i> , 2018, 10, 21219-21224.	2.8	51
58	Tip-Enhanced Raman Spectroscopy with High-Order Fiber Vector Beam Excitation. <i>Sensors</i> , 2018, 18, 3841.	2.1	21
59	Sub-10 ⁶ nm particle trapping enabled by a plasmonic dark mode. <i>Optics Letters</i> , 2018, 43, 3413.	1.7	20
60	Cylindrical vector beam-excited frequency-tunable second harmonic generation in a plasmonic octamer. <i>Photonics Research</i> , 2018, 6, 157.	3.4	22
61	All-fiber cylindrical vector beams laser based on an acoustically-induced fiber grating. <i>Journal of Optics (United Kingdom)</i> , 2018, 20, 075608.	1.0	10
62	Mode evolution and nanofocusing of grating-coupled surface plasmon polaritons on metallic tip. <i>Opto-Electronic Advances</i> , 2018, 1, 18001001-18001007.	6.4	35
63	Deep inherent sensitization of lead selenide material via an effective oxygen ion preparation method. <i>Materials Letters</i> , 2017, 194, 142-144.	1.3	12
64	Fano resonance with high local field enhancement under azimuthally polarized excitation. <i>Scientific Reports</i> , 2017, 7, 1049.	1.6	13
65	All-polymeric planar waveguide devices based on a gas-assisted thermal imprinting technique. <i>Microsystem Technologies</i> , 2017, 23, 5271-5279.	1.2	4
66	The lead selenide photoconductive sensitization via oxygen ion implantation with enhanced optical absorption and carrier mobility. <i>Journal of Materials Science</i> , 2017, 52, 10779-10786.	1.7	7
67	Optical Heterodyne Microvibration Detection Based on All-Fiber Acousto-Optic Superlattice Modulation. <i>Journal of Lightwave Technology</i> , 2017, 35, 3821-3824.	2.7	13
68	Generation of cylindrical vector beams and optical vortex by two acoustically induced fiber gratings with orthogonal vibration directions. <i>Optics Express</i> , 2017, 25, 2733.	1.7	53
69	Hybrid modes in plasmonic cavity array for enhanced hot-electron photodetection. <i>Optics Express</i> , 2017, 25, 20268.	1.7	13
70	Generation of femtosecond optical vortex pulse in fiber based on an acoustically induced fiber grating. <i>Optics Letters</i> , 2017, 42, 454.	1.7	36
71	High-order optical vortex generation in a few-mode fiber via cascaded acoustically driven vector mode conversion. <i>Optics Letters</i> , 2016, 41, 5082.	1.7	87
72	Optical vortex generation with wavelength tunability based on an acoustically-induced fiber grating. <i>Optics Express</i> , 2016, 24, 19278.	1.7	78

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73	Wide band dispersionless slow light in hetero-MIM plasmonic waveguide. Optics Express, 2016, 24, 22432.	1.7	20
74	Cylindrical vector beam generation in fiber with mode selectivity and wavelength tunability over broadband by acoustic flexural wave. Optics Express, 2016, 24, 10376.	1.7	73
75	Optimization for solid polymer microstructure replication using gas-assisted hot embossing under low pressure. International Journal of Precision Engineering and Manufacturing, 2016, 17, 1067-1072.	1.1	9
76	Optimization for etching shallow ridge and trench profiles on silicon based on continuous etching process in ICPRIE system. Microsystem Technologies, 2016, 22, 2133-2139.	1.2	3
77	Vanishing Carleson Measures Associated with Families of Multilinear Operators. Journal of Geometric Analysis, 2016, 26, 1539-1559.	0.5	2
78	The Influence of Rapid Thermal Annealing Processed Metal-Semiconductor Contact on Plasmonic Waveguide Under Electrical Pumping. Journal of the Optical Society of Korea, 2016, 20, 130-134.	0.6	0
79	WS ₂ saturable absorber for dissipative soliton mode locking at 106 and 155 Åµm. Optics Express, 2015, 23, 27509.	1.7	187
80	Nonlocal effects on second harmonic generation in nanofilm plasmonic structure. Optics Communications, 2015, 339, 177-181.	1.0	7
81	WS ₂ mode-locked ultrafast fiber laser. Scientific Reports, 2015, 5, 7965.	1.6	406
82	Electrical control of second harmonic generation in a graphene-based plasmonic Fano structure. Optics Express, 2015, 23, 3236.	1.7	25
83	Mode size and loss in strongly asymmetric plasmonic waveguide with dielectric cladding. Journal of Optics (United Kingdom), 2015, 17, 125001.	1.0	0
84	Boundedness and Compactness for the Commutators of Bilinear Operators on Morrey Spaces. Potential Analysis, 2015, 42, 717-748.	0.4	15
85	Effect of dielectric cladding on active plasmonic device based on InGaAsP multiple quantum wells. Optics Express, 2014, 22, 25599.	1.7	5
86	Mode conversion in asymmetric dielectric/metal/dielectric plasmonic waveguide using grating coupler. Optics Communications, 2014, 310, 217-221.	1.0	2
87	Tunable conversion from saturable absorption to reverse saturable absorption in poly (pyrrole) Tj ETQq1 1 0.784314 rgBT /Overlock 1014	2.7	14
88	Sensitivity of a Label-Free Guided-Mode Resonant Optical Biosensor with Different Modes. Sensors, 2012, 12, 9791-9799.	2.1	16
89	Temporal coupled-mode theory of ringâ€“busâ€“ring Machâ€“Zehnder interferometer. Applied Optics, 2012, 51, 504.	0.9	10
90	The substrate cooling effect of ion beam post treatment on ZAO films properties. , 2012, , .		0

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91	Elimination of spurious solutions from $k\hat{A}p$ theory with Fourier transform technique and Burt-Foreman operator ordering. Journal of Applied Physics, 2012, 111, 053702.	1.1	6
92	Superhydrophilic and Wetting Behavior of TiO ₂ Films and their Surface Morphologies. Chinese Physics Letters, 2012, 29, 088103.	1.3	4
93	Study of an SPP mode with gain medium based on a hybrid plasmonic structure. , 2012, , .		0
94	Gain-assisted propagation of surface plasmon polaritons using electrically pumped quantum wells as active medium. Proceedings of SPIE, 2011, , .	0.8	0
95	Short-range surface plasmon propagation supported by stimulated amplification using electrical injection. Optics Express, 2011, 19, 22107.	1.7	15
96	Analysis of wetting layer effect on electronic structures of truncated-pyramid quantum dots. Optical and Quantum Electronics, 2011, 42, 705-711.	1.5	3
97	A Micromachined Reconfigurable Metamaterial via Reconfiguration of Asymmetric Split-Ring Resonators. Advanced Functional Materials, 2011, 21, 3589-3594.	7.8	170
98	Switchable Magnetic Metamaterials Using Micromachining Processes. Advanced Materials, 2011, 23, 1792-1796.	11.1	228
99	Influence of trapping states at the dielectric-dielectric interface on the stability of organic field-effect transistors with bilayer gate dielectric. Organic Electronics, 2011, 12, 1304-1313.	1.4	18
100	Analysis of electronic structures of quantum dots using meshless Fourier transform $k\hat{A}p$ method. Journal of Applied Physics, 2011, 109, 063101.	1.1	13
101	Gain-assisted propagation of surface plasmon polaritons using electrically-pumped quantum wells as active medium. , 2011, , .		0
102	Built-in electric field influence on impurity-free vacancy disordering of InGaAs/InP quantum well structure. Science Bulletin, 2010, 55, 1363-1366.	1.7	0
103	Investigation of the Device Degradation Mechanism in Pentacene-Based Thin-Film Transistors Using Low-Frequency-Noise Spectroscopy. IEEE Transactions on Electron Devices, 2010, 57, 385-390.	1.6	19
104	Relaxation of Critical Coupling Condition and Characterization of Coupling-Induced Frequency Shift in Two-Ring Structures. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 77-84.	1.9	10
105	Facile synthesis of magnetic metal (Mn, Co, Fe, and Ni) oxide nanosheets. Materials Letters, 2010, 64, 1095-1098.	1.3	12
106	A pentacene field-effect transistor with light-programmable threshold voltage. Organic Electronics, 2010, 11, 1713-1718.	1.4	17
107	A Facile and Generic Strategy to Synthesize Large-Scale Carbon Nanotubes. Journal of Nanomaterials, 2010, 2010, 1-5.	1.5	5
108	An Ultracompact Directional Coupler Based on GaAs Cross-Slot Waveguide. IEEE Photonics Technology Letters, 2010, 22, 1324-1326.	1.3	46

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109	Vertical high emission in photonic crystal nanocavities by band-folding design. Physical Review B, 2010, 82, .	1.1	39
110	Negative index modes in surface plasmon waveguides: a study of the relations between lossless and lossy cases. Optics Express, 2010, 18, 12213.	1.7	11
111	Coupled Fano resonators. Optics Express, 2010, 18, 18820.	1.7	27
112	Surface plasmon laser based on metal cavity array with two different modes. Optics Express, 2010, 18, 23626.	1.7	8
113	Gain-assisted propagation of surface plasmon polaritons via electrically pumped quantum wells. Optics Letters, 2010, 35, 3075.	1.7	30
114	Localized surface plasmons, surface plasmon polaritons, and their coupling in 2D metallic array for SERS. Optics Express, 2010, 18, 1959.	1.7	48
115	Decoration of ZnO nanocrystals on the surface of shuttle-shaped Mn ₂ O ₃ and its magnetic-optical properties. CrystEngComm, 2010, 12, 2687.	1.3	15
116	Electroabsorption of surface plasmon polaritons using quantum wells. , 2010, , .		0
117	Inductively Coupled Argon Plasma-Enhanced Quantum-Well Intermixing: Cap Layer Effect and Plasma Process Influence. IEEE Journal of Quantum Electronics, 2009, 45, 920-926.	1.0	2
118	Monodisperse ZnO Nanodots: Synthesis, Characterization, and Optoelectronic Properties. Journal of Physical Chemistry C, 2007, 111, 9757-9760.	1.5	28
119	Temperature-Triggered Self-Assembly of ZnO: from Nanocrystals to Nanorods to Tablets. Inorganic Chemistry, 2007, 46, 11031-11035.	1.9	25
120	MOVPE growth of Al-free 808nm high power lasers using TBP and TBA in pure N ₂ ambient. Journal of Crystal Growth, 2006, 288, 23-26.	0.7	1
121	Plasma-induced quantum well intermixing for monolithic photonic integration. IEEE Journal of Selected Topics in Quantum Electronics, 2005, 11, 373-382.	1.9	22
122	Quantum-well Intermixing using Ge-doped Sol-gel Derived Silica Encapsulant Layer. Materials Research Society Symposia Proceedings, 2005, 891, 1.	0.1	0
123	Effect of rapid thermal annealing on the ordering of AlInP grown by metal-organic vapor-phase epitaxy. Applied Physics Letters, 2005, 87, 181906.	1.5	14
124	Wavelength monitoring with low-contrast multimode interference waveguide. IEEE Photonics Technology Letters, 2005, 17, 822-824.	1.3	20
125	Understanding the inductively coupled argon plasma-enhanced quantum well intermixing. Journal of Crystal Growth, 2004, 268, 384-388.	0.7	1
126	A Method of Suppressing Self-Heating Signal of Bolometers. IEEE Sensors Journal, 2004, 4, 207-210.	2.4	28

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127	Characterization of GaInAsP/InP multiple quantum wells grown by solid source MBE for long wavelength infrared detection. , 2002, , .		0
128	High-Density Plasma Enhanced Quantum Well Intermixing in InGaAs/InGaAsP Structure Using Argon Plasma. Japanese Journal of Applied Physics, 2002, 41, L867-L869.	0.8	20
129	Investigation on two-color detection using asymmetric InGaAs/GaAs/AlGaAs multiquantum wells with superlattice barriers. , 2001, , .		0
130	<title>Micromachined variable optical attenuator (VOA)</title>. , 2001, 4582, 112.		0
131	Two-color infrared detection using intersubband transitions in multiple step quantum wells with superlattice barriers. Applied Physics Letters, 1997, 71, 2017-2019.	1.5	24
132	Study of CdS/CdSe-LCLV for large screen displays. , 1993, 2000, 101.		0