

Ting Mei

List of Publications by Year in descending order

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papers

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citations

236612

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49
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133
all docs

133
docs citations

133
times ranked

3062
citing authors

#	ARTICLE	IF	CITATIONS
1	WS2 mode-locked ultrafast fiber laser. Scientific Reports, 2015, 5, 7965.	1.6	406
2	Switchable Magnetic Metamaterials Using Micromachining Processes. Advanced Materials, 2011, 23, 1792-1796.	11.1	228
3	WS ₂ saturable absorber for dissipative soliton mode locking at 106 and 155 Åµm. Optics Express, 2015, 23, 27509.	1.7	187
4	A Micromachined Reconfigurable Metamaterial via Reconfiguration of Asymmetric Split-Ring Resonators. Advanced Functional Materials, 2011, 21, 3589-3594.	7.8	170
5	Generation of polarization and phase singular beams in fibers and fiber lasers. Advanced Photonics, 2021, 3, .	6.2	89
6	High-order optical vortex generation in a few-mode fiber via cascaded acoustically driven vector mode conversion. Optics Letters, 2016, 41, 5082.	1.7	87
7	Optical vortex generation with wavelength tunability based on an acoustically-induced fiber grating. Optics Express, 2016, 24, 19278.	1.7	78
8	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
9	Generation of cylindrical vector beams and optical vortex by two acoustically induced fiber gratings with orthogonal vibration directions. Optics Express, 2017, 25, 2733.	1.7	53
10	Magnetic plasmon resonances in nanostructured topological insulators for strongly enhanced light-MoS ₂ interactions. Light: Science and Applications, 2020, 9, 191.	7.7	52
11	Broadband polarization-insensitive saturable absorption of Fe ₂ O ₃ nanoparticles. Nanoscale, 2018, 10, 21219-21224.	2.8	51
12	Localized surface plasmons, surface plasmon polaritons, and their coupling in 2D metallic array for SERS. Optics Express, 2010, 18, 1959.	1.7	48
13	An Ultracompact Directional Coupler Based on GaAs Cross-Slot Waveguide. IEEE Photonics Technology Letters, 2010, 22, 1324-1326.	1.3	46
14	Vertical high emission in photonic crystal nanocavities by band-folding design. Physical Review B, 2010, 82, .	1.1	39
15	Generation of femtosecond optical vortex pulse in fiber based on an acoustically induced fiber grating. Optics Letters, 2017, 42, 454.	1.7	36
16	Strong Coupling between Dark Plasmon and Anapole Modes. Journal of Physical Chemistry Letters, 2019, 10, 4699-4705.	2.1	35
17	Mode evolution and nanofocusing of grating-coupled surface plasmon polaritons on metallic tip. Opto-Electronic Advances, 2018, 1, 18001001-18001007.	6.4	35
18	Intermediate Phase-Change States with Improved Cycling Durability of Sb ₂ S ₃ by Femtosecond Multi-Pulse Laser Irradiation. Advanced Functional Materials, 2021, 31, 2103327.	7.8	34

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19	Au-InSe van der Waals Schottky junctions with ultralow reverse current and high photosensitivity. <i>Nanoscale</i> , 2020, 12, 4094-4100.	2.8	31
20	Gain-assisted propagation of surface plasmon polaritons via electrically pumped quantum wells. <i>Optics Letters</i> , 2010, 35, 3075.	1.7	30
21	Extended Drude Model for Intraband-Transition-Induced Optical Nonlinearity. <i>Physical Review Applied</i> , 2019, 11, .	1.5	30
22	A Method of Suppressing Self-Heating Signal of Bolometers. <i>IEEE Sensors Journal</i> , 2004, 4, 207-210.	2.4	28
23	Monodisperse ZnO Nanodots: Synthesis, Characterization, and Optoelectronic Properties. <i>Journal of Physical Chemistry C</i> , 2007, 111, 9757-9760.	1.5	28
24	Coupled Fano resonators. <i>Optics Express</i> , 2010, 18, 18820.	1.7	27
25	Highly efficient plasmonic nanofocusing on a metallized fiber tip with internal illumination of the radial vector mode using an acousto-optic coupling approach. <i>Nanophotonics</i> , 2019, 8, 921-929.	2.9	27
26	Temperature-Triggered Self-Assembly of ZnO from Nanocrystals to Nanorods to Tablets. <i>Inorganic Chemistry</i> , 2007, 46, 11031-11035.	1.9	25
27	Electrical control of second harmonic generation in a graphene-based plasmonic Fano structure. <i>Optics Express</i> , 2015, 23, 3236.	1.7	25
28	Two-color infrared detection using intersubband transitions in multiple step quantum wells with superlattice barriers. <i>Applied Physics Letters</i> , 1997, 71, 2017-2019.	1.5	24
29	Plasmonic tip internally excited via an azimuthal vector beam for surface enhanced Raman spectroscopy. <i>Photonics Research</i> , 2019, 7, 526.	3.4	23
30	Plasma-induced quantum well intermixing for monolithic photonic integration. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2005, 11, 373-382.	1.9	22
31	Cylindrical vector beam-excited frequency-tunable second harmonic generation in a plasmonic octamer. <i>Photonics Research</i> , 2018, 6, 157.	3.4	22
32	Surface-enhanced Raman spectroscopy with Au-nanoparticle substrate fabricated by using femtosecond pulse. <i>Nanotechnology</i> , 2018, 29, 205301.	1.3	21
33	Tip-Enhanced Raman Spectroscopy with High-Order Fiber Vector Beam Excitation. <i>Sensors</i> , 2018, 18, 3841.	2.1	21
34	High-Density Plasma Enhanced Quantum Well Intermixing in InGaAs/InGaAsP Structure Using Argon Plasma. <i>Japanese Journal of Applied Physics</i> , 2002, 41, L867-L869.	0.8	20
35	Wavelength monitoring with low-contrast multimode interference waveguide. <i>IEEE Photonics Technology Letters</i> , 2005, 17, 822-824.	1.3	20
36	Wide band dispersionless slow light in hetero-MIM plasmonic waveguide. <i>Optics Express</i> , 2016, 24, 22432.	1.7	20

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37	Sub-10-nm particle trapping enabled by a plasmonic dark mode. <i>Optics Letters</i> , 2018, 43, 3413.	1.7	20
38	Investigation of the Device Degradation Mechanism in Pentacene-Based Thin-Film Transistors Using Low-Frequency-Noise Spectroscopy. <i>IEEE Transactions on Electron Devices</i> , 2010, 57, 385-390.	1.6	19
39	Influence of trapping states at the dielectric-dielectric interface on the stability of organic field-effect transistors with bilayer gate dielectric. <i>Organic Electronics</i> , 2011, 12, 1304-1313.	1.4	18
40	A pentacene field-effect transistor with light-programmable threshold voltage. <i>Organic Electronics</i> , 2010, 11, 1713-1718.	1.4	17
41	Sensitivity of a Label-Free Guided-Mode Resonant Optical Biosensor with Different Modes. <i>Sensors</i> , 2012, 12, 9791-9799.	2.1	16
42	Plasmonic slow light waveguide with hyperbolic metamaterials claddings. <i>Journal of Optics (United Kingdom)</i> , 2010, 11, 1101-1106.	1.0	16
43	Near-infrared photodetection with plasmon-induced hot electrons using silicon nanopillar array structure. <i>Nanotechnology</i> , 2019, 30, 075204.	1.3	16
44	Tuning epsilon-near-zero wavelength of indium tin oxide film via annealing. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 225108.	1.3	16
45	Decoration of ZnO nanocrystals on the surface of shuttle-shaped Mn ₂ O ₃ and its magnetic-optical properties. <i>CrystEngComm</i> , 2010, 12, 2687.	1.3	15
46	Short-range surface plasmon propagation supported by stimulated amplification using electrical injection. <i>Optics Express</i> , 2011, 19, 22107.	1.7	15
47	Boundedness and Compactness for the Commutators of Bilinear Operators on Morrey Spaces. <i>Potential Analysis</i> , 2015, 42, 717-748.	0.4	15
48	Surface-Enhanced Raman Spectroscopy Based on a Silver-Film Semi-Coated Nanosphere Array. <i>Sensors</i> , 2019, 19, 3966.	2.1	15
49	Unidirectional scattering exploited transverse displacement sensor with tunable measuring range. <i>Optics Express</i> , 2019, 27, 4944.	1.7	15
50	Silica nanocone array as a template for fabricating a plasmon induced hot electron photodetector. <i>Photonics Research</i> , 2019, 7, 294.	3.4	15
51	Effect of rapid thermal annealing on the ordering of AlInP grown by metal-organic vapor-phase epitaxy. <i>Applied Physics Letters</i> , 2005, 87, 181906.	1.5	14
52	Tunable conversion from saturable absorption to reverse saturable absorption in poly (pyrrole). <i>Optics Express</i> , 2010, 18, 1450-1455.	2.7	14
53	Analysis of electronic structures of quantum dots using meshless Fourier transform k - p method. <i>Journal of Applied Physics</i> , 2011, 109, 063101.	1.1	13
54	Fano resonance with high local field enhancement under azimuthally polarized excitation. <i>Scientific Reports</i> , 2017, 7, 1049.	1.6	13

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55	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
56	Hybrid modes in plasmonic cavity array for enhanced hot-electron photodetection. <i>Optics Express</i> , 2017, 25, 20268.	1.7	13
57	Azimuthal vector beam exciting silver triangular nanoprisms for increasing the performance of surface-enhanced Raman spectroscopy. <i>Photonics Research</i> , 2019, 7, 1447.	3.4	13
58	Facile synthesis of magnetic metal (Mn, Co, Fe, and Ni) oxide nanosheets. <i>Materials Letters</i> , 2010, 64, 1095-1098.	1.3	12
59	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
60	Grating-assisted coupling enhancing plasmonic tip nanofocusing illuminated via radial vector beam. <i>Nanophotonics</i> , 2019, 8, 2303-2311.	2.9	12
61	Negative index modes in surface plasmon waveguides: a study of the relations between lossless and lossy cases. <i>Optics Express</i> , 2010, 18, 12213.	1.7	11
62	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
63	Role of hot electron scattering in epsilon-near-zero optical nonlinearity. <i>Nanophotonics</i> , 2020, 9, 4287-4293.	2.9	11
64	Relaxation of Critical Coupling Condition and Characterization of Coupling-Induced Frequency Shift in Two-Ring Structures. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2010, 16, 77-84.	1.9	10
65	Temporal coupled-mode theory of ring-“bus”-ring Mach-Zehnder interferometer. <i>Applied Optics</i> , 2012, 51, 504.	0.9	10
66	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
67	Nanofocusing of Surface Plasmon Polaritons on Metal-Coated Fiber Tip Under Internal Excitation of Radial Vector Beam. <i>Plasmonics</i> , 2019, 14, 1593-1599.	1.8	10
68	Selective excitation of a three-dimensionally oriented single plasmonic dipole. <i>Photonics Research</i> , 2019, 7, 693.	3.4	10
69	Optimization for solid polymer microstructure replication using gas-assisted hot embossing under low pressure. <i>International Journal of Precision Engineering and Manufacturing</i> , 2016, 17, 1067-1072.	1.1	9
70	Excellent Anapole by Decoupling Electric Multipoles of Ag/Si Core-Shell Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2020, 124, 19252-19258.	1.5	9
71	Selective Remote-Excitation of Gap Mode in Metallic Nanowire-Nanoparticle System Using Chiral Surface Plasmon Polaritons. <i>IEEE Journal of Quantum Electronics</i> , 2020, 56, 1-6.	1.0	9
72	Optical Chirality Enhancement in Hollow Silicon Disk by Dipolar Interference. <i>Advanced Optical Materials</i> , 2021, 9, 2001771.	3.6	9

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73	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
74	Surface plasmon laser based on metal cavity array with two different modes. <i>Optics Express</i> , 2010, 18, 23626.	1.7	8
75	Optical trapping of single nano-size particles using a plasmonic nanocavity. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 475301.	0.7	8
76	Lab on D-shaped fiber excited via azimuthally polarized vector beam for surface-enhanced Raman spectroscopy. <i>Optics Express</i> , 2020, 28, 12071.	1.7	8
77	Nonlocal effects on second harmonic generation in nanofilm plasmonic structure. <i>Optics Communications</i> , 2015, 339, 177-181.	1.0	7
78	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
79	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
80	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
81	Characterizing localized surface plasmon resonances using focused radially polarized beam. <i>Applied Optics</i> , 2019, 58, 5812.	0.9	7
82	Elimination of spurious solutions from $k\hat{A}\cdot p$ theory with Fourier transform technique and Burt-Foreman operator ordering. <i>Journal of Applied Physics</i> , 2012, 111, 053702.	1.1	6
83	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
84	Low-cost and highly accessible technology based on radially polarized beam-excited plasmonic microfiber for label-free Raman detection. <i>APL Photonics</i> , 2019, 4, 116101.	3.0	6
85	Reversible optical binding force in a plasmonic heterodimer under radially polarized beam illumination. <i>Optics Express</i> , 2020, 28, 3000.	1.7	6
86	All-fiber frequency shifter consisting of a fiber Bragg grating modulated via an acoustic flexural wave for optical heterodyne measurement. <i>Optics Letters</i> , 2019, 44, 3725.	1.7	6
87	A Facile and Generic Strategy to Synthesize Large-Scale Carbon Nanotubes. <i>Journal of Nanomaterials</i> , 2010, 2010, 1-5.	1.5	5
88	Effect of dielectric cladding on active plasmonic device based on InGaAsP multiple quantum wells. <i>Optics Express</i> , 2014, 22, 25599.	1.7	5
89	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
90	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

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91	Plasmonic color filter based on a hetero-metal-insulator-metal grating. Applied Optics, 2020, 59, 4432.	0.9	5
92	Superhydrophilic and Wetting Behavior of TiO ₂ Films and their Surface Morphologies. Chinese Physics Letters, 2012, 29, 088103.	1.3	4
93	All-polymeric planar waveguide devices based on a gas-assisted thermal imprinting technique. Microsystem Technologies, 2017, 23, 5271-5279.	1.2	4
94	Nanometric displacement sensor with a switchable measuring range using a cylindrical vector beam excited silicon nanoantenna. Optics Express, 2021, 29, 25109.	1.7	4
95	Plasmon-enhanced nonlinear nanofocusing of gold nanoprisms driven via an ultrafast azimuthal vector beam. Nanoscale, 2020, 12, 7045-7050.	2.8	4
96	Second-order surface optical nonlinear response of plasmonic tip axially excited via ultrafast vector beams. Applied Physics Express, 2020, 13, 032002.	1.1	4
97	Extracting epsilon-near-zero wavelength of ultrathin plasmonic film. Applied Optics, 2021, 60, 9774.	0.9	4
98	Thermal energy dependent transient permittivity of epsilon-near-zero material. Science China: Physics, Mechanics and Astronomy, 2022, 65, .	2.0	4
99	Analysis of wetting layer effect on electronic structures of truncated-pyramid quantum dots. Optical and Quantum Electronics, 2011, 42, 705-711.	1.5	3
100	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
101	Nanofocusing of a metallized double periodic arranged nanocone array for surface-enhanced Raman spectroscopy. Optics Express, 2021, 29, 28086.	1.7	3
102	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
103	Mode conversion in asymmetric dielectric/metal/dielectric plasmonic waveguide using grating coupler. Optics Communications, 2014, 310, 217-221.	1.0	2
104	Vanishing Carleson Measures Associated with Families of Multilinear Operators. Journal of Geometric Analysis, 2016, 26, 1539-1559.	0.5	2
105	The Design of CMOS-Compatible Plasmonic Waveguides for Intra-Chip Communication. IEEE Photonics Journal, 2020, 12, 1-10.	1.0	2
106	Plasmon-induced hot electrons emission enhanced by Fabry-Pérot cavity resonance on SOI. Optics Communications, 2020, 473, 125930.	1.0	2
107	Circular nanocavity substrate-assisted plasmonic tip for its enhancement in nanofocusing and optical trapping. Optics Express, 2021, 29, 37515.	1.7	2
108	Radial breathing modes coupling in plasmonic molecules. Optics Express, 2019, 27, 5116.	1.7	2

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109	Enhanced second-harmonic generation assisted by breathing mode in a multi-resonant plasmonic trimer. Optics Letters, 2019, 44, 3813.	1.7	2
110	Enhancing electromagnetic field gradient in tip-enhanced Raman spectroscopy with a perfect radially polarized beam. Optics Express, 2022, 30, 21377.	1.7	2
111	Understanding the inductively coupled argon plasma-enhanced quantum well intermixing. Journal of Crystal Growth, 2004, 268, 384-388.	0.7	1
112	MOVPE growth of Al-free 808nm high power lasers using TBP and TBA in pure N2 ambient. Journal of Crystal Growth, 2006, 288, 23-26.	0.7	1
113	Optical Characteristics of Metasurfaces at Meta-Atom Anapole. IEEE Photonics Journal, 2021, 13, 1-7.	1.0	1
114	Study of CdS/CdSe-LCLV for large screen displays. , 1993, 2000, 101.		0
115	Investigation on two-color detection using asymmetric InGaAs/GaAs/AlGaAs multiquantum wells with superlattice barriers. , 2001, , .		0
116	<title>Micromachined variable optical attenuator (VOA)</title>. , 2001, 4582, 112.		0
117	Characterization of GaInAsP/InP multiple quantum wells grown by solid source MBE for long wavelength infrared detection. , 2002, , .		0
118	Quantum-well Intermixing using Ge-doped Sol-gel Derived Silica Encapsulant Layer. Materials Research Society Symposia Proceedings, 2005, 891, 1.	0.1	0
119	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
120	Electroabsorption of surface plasmon polaritons using quantum wells. , 2010, , .		0
121	Gain-assisted propagation of surface plasmon polaritons using electrically pumped quantum wells as active medium. Proceedings of SPIE, 2011, , .	0.8	0
122	The substrate cooling effect of ion beam post treatment on ZAO films properties. , 2012, , .		0
123	Mode size and loss in strongly asymmetric plasmonic waveguide with dielectric cladding. Journal of Optics (United Kingdom), 2015, 17, 125001.	1.0	0
124	Nonlocal Effects on Field Enhancement in Dimer. Plasmonics, 2018, 13, 2261-2266.	1.8	0
125	Plasmonic Tip Internally Excited via Cylindrical Vector Beam for Surface Enhanced Raman Spectroscopy. , 2019, , .		0
126	Nanofocusing of Plasmonic Tip Based on External and Internal Excitation. , 2019, , .		0

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127	Metallic nanosphere-assisted coupling ultrafast surface plasmon polaritons background-free tip nanofocusing. Optics Letters, 2021, 46, 5554-5557.	1.7	0
128	Gain-assisted propagation of surface plasmon polaritons using electrically-pumped quantum wells as active medium. , 2011, , .		0
129	Study of an SPP mode with gain medium based on a hybrid plasmonic structure. , 2012, , .		0
130	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
131	Plasmonic cuboid array embedded in silicon for polarization-insensitive hot electron photodetection. Optik, 2020, 224, 165544.	1.4	0
132	Tip-enhanced four-wave mixing internally illuminated by ultrafast vector light field. Optics Letters, 2022, 47, 1037-1040.	1.7	0