

Zheng Zheng

List of Publications by Year in descending order

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all docs

267
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267
times ranked

3140
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual-comb Spectroscopy for Laminar Premixed Flames with a Free-running Fiber Laser. Combustion Science and Technology, 2022, 194, 2523-2538.	1.2	8
2	Photonic Generation of Highly-Linear Ultra-Wideband Stepped-Frequency Microwave Signals With Up to 6×10^6 Time-Bandwidth Product. Journal of Lightwave Technology, 2022, 40, 1036-1042.	2.7	11
3	Four-wave mixing in graphdiyne-microfiber based on synchronized dual-wavelength pulses. Photonics Research, 2022, 10, 503.	3.4	4
4	Dynamic spectroscopic characterization for fast spectral variations based on dual asynchronous undersampling with triple optical frequency combs. Optics and Lasers in Engineering, 2022, 156, 107077.	2.0	5
5	Single-pixel compressive imaging based on random DoG filtering. Signal Processing, 2021, 178, 107746.	2.1	4
6	Self-referenced distribution of millimeter waves over 10 km optical fiber with high frequency stability. Optics Letters, 2021, 46, 3949.	1.7	2
7	Graphdiyne-based saturable absorber for mode-locked erbium-doped fiber laser. , 2021, , .		0
8	Fiber-based all-optical modulation based on two-dimensional materials. 2D Materials, 2021, 8, 012003.	2.0	8
9	High-Resolution Spatial Profile Reconstruction Enabled by Dual-Comb Fiber Bragg Grating Array Sensing. , 2021, , .		0
10	Dynamic Quasi-Distributed Ultraweak Fiber Bragg Grating Array Sensing Enabled by Depth-Resolved Dual-Comb Spectroscopy. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 5821-5827.	2.4	16
11	Polarization-multiplexed, synchronous ultrashort pulse generation from a linear-cavity fiber laser with a polarization-rotation loop mirror. Optik, 2020, 224, 165647.	1.4	2
12	Environmentally stable black phosphorus saturable absorber for ultrafast laser. Nanophotonics, 2020, 9, 2445-2449.	2.9	21
13	Adaptive optical beam steering and tuning system based on electrowetting driven fluidic rotor. Communications Physics, 2020, 3, .	2.0	6
14	Multipass-assisted dual-comb gas sensor for multi-species detection using a free-running fiber laser. Applied Physics B: Lasers and Optics, 2020, 126, 1.	1.1	10
15	Wideband saturable absorption in metal-organic frameworks (MOFs) for mode-locking Er- and Tm-doped fiber lasers. Nanoscale, 2020, 12, 4586-4590.	2.8	36
16	All-Optical Control of Microfiber Knot Resonator Based on 2D Ti ₂ CT _x . Advanced Optical Materials, 2020, 8, 1900977.	3.6	39
17	Adaptive-sampling near-Doppler-limited terahertz dual-comb spectroscopy with a free-running single-cavity fiber laser. Advanced Photonics, 2020, 2, 1.	6.2	38
18	Broad bandwidth dual-wavelength fiber laser simultaneously delivering stretched pulse and dissipative soliton. Optics Express, 2020, 28, 6937.	1.7	17

#	ARTICLE	IF	CITATIONS
19	Generation and observation of ultrafast spectro-temporal dynamics of different pulsating solitons from a fiber laser. Optics Express, 2020, 28, 14127.	1.7	23
20	Sub-150 fs dispersion-managed soliton generation from an all-fiber Tm-doped laser with BP-SA. Optics Express, 2020, 28, 34104.	1.7	12
21	MXene-based high-performance all-optical modulators for actively Q-switched pulse generation. Photonics Research, 2020, 8, 1140.	3.4	30
22	2 - 18 GHz ultra-wideband channel sounding with low- bandwidth ADC enabled by dual optical combs. , 2020, , .		1
23	Generation of Pulsating Solitons with Different Ultrafast Spectro-temporal Dynamics from One Mode-locked Fiber Laser. , 2020, , .		0
24	Two-dimensional material as a saturable absorber for mid-infrared ultrafast fiber laser. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 188101.	0.2	4
25	Meridian whispering gallery modes sensing in a sessile microdroplet on micro/nanostructured superhydrophobic chip surfaces. Microfluidics and Nanofluidics, 2019, 23, 1.	1.0	9
26	Tri-Comb and Quad-Comb Generation Based on a Multi-Dimensional Multiplexed Mode-Locked Laser. Journal of Lightwave Technology, 2019, 37, 5178-5184.	2.7	17
27	A Tunable Optical Bragg Grating Filter Based on the Droplet Sagging Effect on a Superhydrophobic Nanopillar Array. Sensors, 2019, 19, 3324.	2.1	8
28	Combination of Adaptive Sampling Terahertz Dual-Comb Spectroscopy with a Free-Running Single-Cavity Dual-Comb Fiber Laser. , 2019, , .		0
29	A Sinusoidal-Hyperbolic Family of Transforms With Potential Applications in Compressive Sensing. IEEE Transactions on Image Processing, 2019, 28, 3571-3583.	6.0	4
30	Polarization-Modulated, Goos-Hanchen Shift Sensing for Common Mode Drift Suppression. Sensors, 2019, 19, 2088.	2.1	6
31	Effect of Excitation Beam Divergence on the Goos-Hanchen Shift Enhanced by Bloch Surface Waves. Applied Sciences (Switzerland), 2019, 9, 40.	1.3	11
32	Optimal Band Analysis of a Space-Based Multispectral Sensor for Urban Air Pollutant Detection. Atmosphere, 2019, 10, 631.	1.0	2
33	2D Black Phosphorus Saturable Absorbers for Ultrafast Photonics. Advanced Optical Materials, 2019, 7, 1800224.	3.6	235
34	MXene-Based All-Optical Modulator Using MXene Ti_3C_2 ($T =$) Tj $ETQ_0 0 0 r_0 BT / Over$	3.6	87
35	Improved broadband dispersion engineering in coupled silicon nitride waveguides with a partially etched gap. Applied Optics, 2019, 58, 8007.	0.9	4
36	104fs mode-locked fiber laser with a MXene-based saturable absorber. , 2019, , .		1

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37	Absolute distance measurement with a long ambiguity range using a tri-comb mode-locked fiber laser. , 2019, , .		7
38	Adaptive Sampling Terahertz Dual-Comb Spectroscopy Based on a Free-Running Single-Cavity Dual-Comb Fiber Laser. , 2019, , .		1
39	MXene-based saturable absorber for femtosecond mode-locked fiber lasers. Optics Express, 2019, 27, 10159.	1.7	120
40	Dual-comb spectroscopy of methane based on a free-running Erbium-doped fiber laser. Optics Express, 2019, 27, 11406.	1.7	43
41	Dual-comb methane spectroscopy using one Erbium-doped fiber laser. , 2019, , .		0
42	Tri-comb and quad-comb generation from a multidimensional-multiplexed fiber laser. , 2019, , .		2
43	Comb-Line-Resolved High-Resolution Terahertz Time-domain Spectroscopy Based on a Simple Fiber Laser. , 2019, , .		0
44	Solving large-scale NP-Complete problem with an optical solver driven by a dual-comb "clock"™. , 2019, , .		1
45	High spatial-resolution, dynamic interrogation of a large identical weak fiber Bragg grating sensor array base on dual-comb spectroscopy with one fiber laser. , 2019, , .		0
46	High-sensitivity Goos-Hanchen shift sensing based on Bloch surface wave. Sensors and Actuators A: Physical, 2018, 276, 62-67.	2.0	24
47	Dead-band-free, high-resolution microwave frequency measurement using a free-running triple-comb fiber laser. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-8.	1.9	19
48	Timing Jitter of the Dual-Comb Mode-Locked Laser: A Quantum Origin and the Ultimate Effect on High-Speed Time- and Frequency-Domain Metrology. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-10.	1.9	14
49	Polarimetric-Phase-Enhanced Intensity Interrogation Scheme for Surface Wave Optical Sensors with Low Optical Loss. Sensors, 2018, 18, 3262.	2.1	8
50	Proposal of an ultra-fast all spin logic device based on RE-TM ferrimagnetic material.. , 2018, , .		0
51	Electrical Modeling of Double-Barrier Magnetic Tunnel Junction with Reliability Analyses. , 2018, , .		0
52	Large Magnetoresistance in Diode Assisted ZnCoO Device.. , 2018, , .		0
53	TiS ₂ -based saturable absorber for ultrafast fiber lasers. Photonics Research, 2018, 6, C44.	3.4	58
54	Polarization-multiplexed, dual-comb all-fiber mode-locked laser. Photonics Research, 2018, 6, 853.	3.4	83

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55	Compact dual-fiber surface-enhanced Raman scattering sensor with monolayer gold nanoparticles self-assembled on optical fiber. <i>Applied Optics</i> , 2018, 57, 7931.	0.9	9
56	Dual-Comb Dynamic Interrogation of Fiber Bragg Grating With One Mode-Locked Fiber Laser. <i>IEEE Sensors Journal</i> , 2018, 18, 6621-6626.	2.4	13
57	Power-efficient generation of two-octave mid-IR frequency combs in a germanium microresonator. <i>Nanophotonics</i> , 2018, 7, 1461-1467.	2.9	16
58	102 fs pulse generation from a long-term stable, inkjet-printed black phosphorus-mode-locked fiber laser. <i>Optics Express</i> , 2018, 26, 12506.	1.7	104
59	Dual terahertz comb spectroscopy with a single free-running fibre laser. <i>Scientific Reports</i> , 2018, 8, 11155.	1.6	39
60	Bloch-Surface-Polariton-Based Hybrid Nanowire Structure for Subwavelength, Low-Loss Waveguiding. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 358.	1.3	7
61	Dual-comb spectroscopy using a hybrid mode-locked fiber laser. , 2018, , .		0
62	Dual-THz-Comb Spectroscopy Using Wavelength- Multiplexed Mode-Locked Fiber Laser. , 2018, , .		0
63	Single-pixel three-dimensional profiling with a dual-comb fiber laser. , 2018, , .		0
64	Dual-comb spectroscopy in THz region using a single free-running dual-wavelength mode-locked fiber laser. , 2018, , .		0
65	Phosphorene quantum dot saturable absorbers for ultrafast fiber lasers. <i>Scientific Reports</i> , 2017, 7, 42357.	1.6	143
66	Measurement of absolute frequency of continuous-wave terahertz radiation in real time using a free-running, dual-wavelength mode-locked, erbium-doped fibre laser. <i>Scientific Reports</i> , 2017, 7, 42082.	1.6	50
67	Optimizing loss of the dielectric stack for Bloch-surface-wave sensors under different interrogation schemes. <i>Journal of Modern Optics</i> , 2017, 64, 407-412.	0.6	12
68	Dual-Comb Absolute Distance Measurement Based on a Dual-Wavelength Passively Mode-Locked Laser. <i>IEEE Photonics Journal</i> , 2017, 9, 1-8.	1.0	30
69	Observation of tunable dual-wavelength in a fiber laser mode-locked by black phosphorus. , 2017, , .		0
70	Asynchronous and synchronous dual-wavelength pulse generation in a passively mode-locked fiber laser with a mode-locker. <i>Optics Letters</i> , 2017, 42, 4942.	1.7	50
71	Asynchronous and synchronous dual-wavelength pulse generation in a non-zero-dispersion fiber laser. , 2017, , .		2
72	Self-starting, turn-key dual-comb mode-locked fiber laser with a few-mode fiber filter. , 2017, , .		3

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73	Terahertz dual-comb spectroscopy with a free-running, dual-wavelength-comb fiber laser. , 2017, , .		2
74	Low-power consumption dual-comb spectroscopy based on a battery-powered, free-running dual-comb laser system. , 2017, , .		3
75	Bloch-surface-polariton based hybrid waveguide for low loss light propagation at the subwavelength scale. , 2017, , .		0
76	Dead-band-free, real-time high-resolution microwave frequency measurement with a multi-comb laser. , 2017, , .		3
77	Picometer-resolution dual-comb spectroscopy with a free-running fiber laser. Optics Express, 2016, 24, 21833.	1.7	195
78	Unidirectional, dual-comb lasing under multiple pulse formation mechanisms in a passively mode-locked fiber ring laser. Optics Express, 2016, 24, 21392.	1.7	44
79	Amplitude jitter of waveforms generated via spectral line pulse shaping due to CW laser linewidth. IET Optoelectronics, 2016, 10, 28-32.	1.8	0
80	Optimizing the loss of one-dimensional photonic crystal towards high-sensitivity Bloch-surface-wave sensors under intensity interrogation scheme. Proceedings of SPIE, 2016, , .	0.8	0
81	Dual frequency comb metrology with one fiber laser. , 2016, , .		0
82	A review of photonic microwave generation. , 2016, , .		1
83	Highly Sensitive, Bloch Surface Wave D-Type Fiber Sensor. IEEE Sensors Journal, 2016, 16, 1200-1204.	2.4	13
84	Picometer-resolution, dual-comb spectroscopy based on a dual-wavelength mode-locked fiber laser. , 2016, , .		2
85	Real-time absolute frequency measurement of continuous-wave terahertz radiation using a free-running, dual-wavelength, dual-comb mode-locked fiber laser. , 2016, , .		3
86	Dual-wavelength, dual-comb fiber laser based on a nearly-adiabatic fiber-taper filter. , 2016, , .		2
87	Synchronous dual-wavelength pulse generation in an Er-doped fiber laser with near-zero dispersion. , 2016, , .		2
88	Broadband dual-comb spectroscopy with a polarization-multiplexed, dual-comb fiber laser. , 2016, , .		2
89	High-resolution, dual-comb spectroscopy enabled by a polarization-multiplexed, dual-comb femtosecond fiber laser. , 2016, , .		4
90	Mid-IR Kerr Frequency Comb Generation from 4000 to 10000 nm in a CMOS-compatible Germanium Microcavity. , 2016, , .		0

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91	Dual-comb-assisted real-time microwave frequency measurement with a single mode-locked fiber laser. , 2016, , .		3
92	Experimental characterization of the Bloch-surface-wave device with large loss. , 2016, , .		0
93	Unidirectional, common-path dual-comb lasing enabled by multiple soliton formation mechanisms in a passively hybrid mode-locked fiber ring laser. , 2016, , .		0
94	Analysis of Companding Reduction of PAPR in Optical Wireless OFDM System in the Presence of LED Nonlinearity. , 2015, , .		0
95	Yb- and Er-doped fiber laser Q-switched with an optically uniform, broadband WS2 saturable absorber. Scientific Reports, 2015, 5, 17482.	1.6	184
96	Multiwavelength, subpicosecond pulse generation from a SWNT-SA mode-locked ring birefringent fiber laser. , 2015, , .		6
97	Plain Silver Surface Plasmon Resonance for Microarray Application. Analytical Chemistry, 2015, 87, 1466-1469.	3.2	45
98	A tunable optical frequency comb generator using a single dual parallel Mach-Zehnder modulator. Optics and Laser Technology, 2015, 72, 74-78.	2.2	17
99	Fiber-optic SERS microfluidic chip based on light-induced gold nano-particle aggregation. Optics Communications, 2015, 352, 148-154.	1.0	10
100	Highly efficient second harmonic generation in hyperbolic metamaterial slot waveguides with large phase matching tolerance. Optics Express, 2015, 23, 6370.	1.7	30
101	Ultra-broadband microwave frequency down-conversion based on optical frequency comb. Optics Express, 2015, 23, 17111.	1.7	24
102	SPRi determination of inter-peptide interaction by using 3D supramolecular co-assembly polyrotaxane film. Biosensors and Bioelectronics, 2015, 66, 338-344.	5.3	17
103	A flexible waveforms generator based on a single dual-parallel Mach-Zehnder modulator. Optics Communications, 2015, 334, 31-34.	1.0	8
104	Coherent Dual-Comb Mode-locked Fiber Laser based on a Birefringent Ring Cavity. , 2015, , .		4
105	Giant non-specular effects at the interface of Bloch surface wave structures. , 2014, , .		0
106	Phase-sensitive Bloch Surface Wave sensing. , 2014, , .		0
107	Giant spatial phase distortion in nonspecularly reflected beams. , 2014, , .		0
108	Widely-pulsewidth-tunable ultrashort pulse generation from a birefringent carbon nanotube mode-locked fiber laser. Optics Express, 2014, 22, 21012.	1.7	29

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109	Generation of optical frequency combs based on time-to-frequency conversion. IET Optoelectronics, 2014, 8, 149-153.	1.8	5
110	Dual-Wavelength, Bidirectional Single-Wall Carbon Nanotube Mode-Locked Fiber Laser. IEEE Photonics Technology Letters, 2014, 26, 1722-1725.	1.3	66
111	Silicon-Slot-Mediated Guiding of Plasmonic Modes: The Realization of Subwavelength Optical Confinement With Low Propagation Loss. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 181-188.	1.9	6
112	High-sensitivity sensing based on intensity-interrogated Bloch surface wave sensors. Sensors and Actuators B: Chemical, 2014, 193, 467-471.	4.0	62
113	Stable and Sensitive Silver Surface Plasmon Resonance Imaging Sensor Using Trilayered Metallic Structures. Analytical Chemistry, 2014, 86, 1430-1436.	3.2	73
114	Graphene surface plasmon waveguides incorporating high-index dielectric ridges for single mode transmission. Optics Communications, 2014, 328, 124-128.	1.0	27
115	A novel fiber optic ring-down interferometer for sensing. Optik, 2014, 125, 3303-3306.	1.4	0
116	Generation of Tunable Optical Frequency Combs with a High Side Mode Suppression Ratio. , 2014, , .		2
117	Coherent asynchronous sampling distance measurement using a single polarization-multiplexed ultrafast laser. , 2014, , .		6
118	Generation of repetition-rate-tunable ultrashort pulses from a mode-locked fiber laser with large polarization mode dispersion. , 2014, , .		2
119	Polarization multiplexed, dual-frequency ultrashort pulse generation by a birefringent mode-locked fiber laser. , 2014, , .		8
120	Gain-assisted light guiding at the subwavelength scale in a hybrid dielectric-loaded surface plasmon polariton waveguide based on a metal nanorod. Journal Physics D: Applied Physics, 2013, 46, 335102.	1.3	2
121	Hybrid plasmonic waveguide incorporating an additional semiconductor stripe for enhanced optical confinement in the gap region. Journal of Optics (United Kingdom), 2013, 15, 035503.	1.0	15
122	Highly Confined Hybrid Plasmonic Modes Guided by Nanowire-Embedded-Metal Grooves for Low-Loss Propagation at 1550 nm. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 4800106-4800106.	1.9	22
123	Gain enhancement in a V-shaped plasmonic slot waveguide for efficient loss compensation at the subwavelength scale. Optics Communications, 2013, 294, 414-419.	1.0	10
124	The un-symmetric hybridization of graphene surface plasmons incorporating graphene sheets and nano-ribbons. Applied Physics Letters, 2013, 103, .	1.5	11
125	Study of simulated Brillouin scattering threshold for ultra-wideband impulse radar pulses distributed over fiber. , 2013, , .		0
126	Fast, asynchronous sampling distance ranging using an SOA gate and a dual-wavelength mode-locked fiber laser. , 2013, , .		2

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127	Observation of stable, polarization-locked, vector bound states of solitons from a carbon-nanotube mode-locked fiber laser. , 2013, , .		1
128	High-resolution, dual-comb asynchronous sampling enabled by dual-wavelength ultrafast fiber lasers and its applications. , 2013, , .		1
129	Observation of continuously tuning of the phase-difference and separation of bound solitons from a carbon-nanotube mode-locked fiber laser. , 2013, , .		0
130	Delay-SRLG constrained, backup-shared path protection in WDM networks with sleep scheduling. Computer Communications, 2013, 36, 211-222.	3.1	2
131	Dual-wavelength passively Q-switched Erbium doped fiber laser based on an SWNT saturable absorber. Optics Communications, 2013, 294, 267-270.	1.0	37
132	Waveguide coupled surface plasmon resonance imaging measurement and high-throughput analysis of bio-interaction. Sensors and Actuators B: Chemical, 2013, 181, 652-660.	4.0	21
133	Nanoscale light guiding in a silicon-based hybrid plasmonic waveguide that incorporates an inverse metal ridge. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 1424-1428.	0.8	9
134	Modal properties of triangular metal groove/wedge based hybrid plasmonic structures for laser actions at deep-subwavelength scale. Optics Communications, 2013, 297, 102-108.	1.0	6
135	Optical frequency comb generation based on electro-optical modulation with high-order harmonic of a sine RF signal. Optics Communications, 2013, 291, 269-273.	1.0	14
136	Hybrid plasmon waveguide leveraging Bloch surface polaritons for sub-wavelength confinement. Science China Technological Sciences, 2013, 56, 567-572.	2.0	18
137	Nanowire based hybrid plasmonic structures for low-threshold lasing at the subwavelength scale. Optics Communications, 2013, 287, 245-249.	1.0	15
138	Hybrid plasmonic waveguide incorporating double graphene sheets. , 2013, , .		0
139	Dielectrics Covered Metal Nanowires and Nanotubes for Low-Loss Guiding of Subwavelength Plasmonic Modes. Journal of Lightwave Technology, 2013, 31, 1973-1979.	2.7	30
140	Low-loss graphene plasmonic waveguide based on a high-index dielectric wedge for tight optical confinement. , 2013, , .		2
141	Low-loss graphene plasmonic waveguide based on a high-index dielectric ridge for tight optical confinement at 30THz. , 2013, , .		0
142	Generating hybrid bound states constructed of vector/scalar solitons with different polarization characteristics from a carbon nanotube mode-locked fiber laser. , 2013, , .		0
143	Fiber-to-Fiber Optical Switching Based on Gigantic Bloch-Surface-Wave-Induced Goos-Hanchen Shifts. IEEE Photonics Journal, 2013, 5, 7200107-7200107.	1.0	34
144	Multiple resonances in double periodic metallic nanoslot array. Optical Engineering, 2013, 52, 028002.	0.5	1

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145	Characteristic Optimization of Multilayer Dielectric for the Bloch-Surface-Wave Based Sensor. , 2013, , .		0
146	Hybrid plasmon polariton guiding with tight mode confinement in a V-shaped metal/dielectric groove. Journal of Optics (United Kingdom), 2013, 15, 055011.	1.0	15
147	A Highly Sensitive Voltage Interrogation Method Using Electro-Optically Tunable Waveguide Coupled Surface Plasmon Resonance Sensors. Journal of Nanoscience and Nanotechnology, 2013, 13, 1476-1479.	0.9	1
148	Polarization-modulated, Giant Goos-Hanchen Shift Sensing for Common Mode Drift Suppression. , 2013, , .		0
149	Generation of higher-order bound solitons in a carbon nanotube mode-locked fiber laser. , 2013, , .		0
150	Spatial-Interferometry-Enhanced Giant Goos-Hanchen Sensing based on Bloch Surface Wave Sensors. , 2013, , .		0
151	Boosting Goos-Hanchen shift from a Bloch surface wave structure by optimizing excitation angles. , 2013, , .		0
152	Slot Optical Waveguide Usage in Forming Passive Optical Devices. Recent Patents on Nanotechnology, 2012, 6, 73-77.	0.7	2
153	Fluidic sensor based on the side-opened and suspended dual-core fiber. Applied Optics, 2012, 51, 3096.	0.9	3
154	Fast, long-scan-range pump-probe measurement based on asynchronous sampling using a dual-wavelength mode-locked fiber laser. Optics Express, 2012, 20, 25584.	1.7	80
155	Highly-sensitive, Bloch-surface-wave Induced Giant Goos-Hanchen Shift Sensing. , 2012, , .		5
156	Sensitive waveguide-coupled surface plasmon resonance imaging. , 2012, , .		0
157	Metal-coated hollow nanowires for low-loss transportation of plasmonic modes with nanoscale mode confinement. Journal of Optics (United Kingdom), 2012, 14, 095501.	1.0	3
158	A novel modified Mach-Zender interferometer for highly sensitive sensing. , 2012, , .		0
159	Surface enhanced raman scattering excited by dielectric-loaded surface plasmon polariton waveguides. , 2012, , .		0
160	Fiber-pigtailed optical switch based on gigantic bloch-surface-wave-induced Goos-Hanchen shifts. , 2012, , .		1
161	Experimental comparison of characteristics of magnetic-field-enhanced InAs and InSb Dember terahertz emitters pumped at 1550 nm wavelength. Journal of Optics (United Kingdom), 2012, 14, 045204.	1.0	3
162	Guiding of Long-Range Hybrid Plasmon Polariton in a Coupled Nanowire Array at Deep-Subwavelength Scale. IEEE Photonics Technology Letters, 2012, 24, 1279-1281.	1.3	33

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163	High-sensitivity sensing based on intensity-interrogated Bloch surface wave sensors. , 2012, , .		1
164	Nearly three orders of magnitude enhancement of Goos-Hanchen shift by exciting Bloch surface wave. Optics Express, 2012, 20, 8998.	1.7	71
165	A novel refractive index detection method in voltage scanning surface plasmon resonance system. Sensors and Actuators B: Chemical, 2012, 169, 393-396.	4.0	5
166	T-shaped dielectric slot waveguides for efficient control of birefringence and polarization independent directional coupling. Optics Communications, 2012, 285, 5118-5121.	1.0	12
167	Hybrid plasmonic structures based on CdS nanotubes: a novel route to low-threshold lasing on the nanoscale. Journal Physics D: Applied Physics, 2012, 45, 505105.	1.3	5
168	Transmission performance of a low-loss metal-insulator-semiconductor plasmonic phase-shift Bragg grating. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 1552-1556.	0.8	8
169	Self-referenced sensing based on a waveguide-coupled surface plasmon resonance structure for background-free detection. Sensors and Actuators B: Chemical, 2012, 162, 35-42.	4.0	17
170	Low-loss metal-insulator-semiconductor waveguide with an air core for on-chip integration. Optics Communications, 2012, 285, 3604-3607.	1.0	5
171	High-resolution absolute distance measurement using a dual-wavelength, dual-comb, femtosecond fiber laser. , 2012, , .		7
172	Fast, long-scan-range pump-probe measurement using a dual-wavelength mode-locked fiber laser. , 2012, , .		2
173	Side opened microstructured optical fiber based surface plasmon resonance biochip. , 2012, , .		0
174	Strongly confined hybrid plasmonic modes guided by nanowire-embedded-metal grooves for low-loss propagation. , 2012, , .		0
175	Multiple Resonances in Double Periodic Metallic Nano-Slot Array. , 2012, , .		0
176	Phase interrogation sensitivity analysis for surface plasmon resonance sensors. , 2012, , .		0
177	Polymer-loaded hybrid plasmonic waveguides leveraging liquid cores for ultra-low-loss light guiding. , 2012, , .		0
178	Coplanar Plasmonic Nanolasers Based on Edge-Coupled Hybrid Plasmonic Waveguides. IEEE Photonics Technology Letters, 2011, 23, 884-886.	1.3	54
179	Improving the Sensitivity of SPR Sensing Using MAP Information Fusion Algorithm. , 2011, , .		0
180	Low-threshold plasmonic nanolaser structure based on coupled nanowires. , 2011, , .		0

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181	Ultrasensitive Goos-Hanchen shift sensing using a photonic crystal structure. , 2011, , .		0
182	Design and analysis of a nanostructure grating based on a hybrid plasmonic slot waveguide. Journal of Optics (United Kingdom), 2011, 13, 105001.	1.0	16
183	Experimental observation of the propagation-dependent beam profile distortion and Goos-Hanchen shift under the surface plasmon resonance condition. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 314.	0.9	14
184	Gas Raman sensing with multi-opened-up suspended core fiber. Applied Optics, 2011, 50, 6026.	2.1	11
185	Switchable, dual-wavelength passively mode-locked ultrafast fiber laser based on a single-wall carbon nanotube modelocker and intracavity loss tuning. Optics Express, 2011, 19, 1168.	1.7	226
186	Hybrid wedge plasmon polariton waveguide with good fabrication-error-tolerance for ultra-deep-subwavelength mode confinement. Optics Express, 2011, 19, 22417.	1.7	103
187	Sensitive voltage interrogation method using electro-optically tunable SPR sensors. Optics Express, 2011, 19, 26651.	1.7	6
188	Direct experimental observation of giant Goos-Hanchen shifts from bandgap-enhanced total internal reflection. Optics Letters, 2011, 36, 3539.	1.7	24
189	A fast response tilted fiber Bragg grating fluid refractometer using an exposed-hole microstructured optical fiber. Proceedings of SPIE, 2011, , .	0.8	0
190	A fast response suspended core fiber optical gas sensor with side-opening and micro-holes configurations. , 2011, , .		1
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