

# Feng Luan

## List of Publications by Year in descending order

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37  
papers

1,452  
citations

623734

14  
h-index

677142

22  
g-index

37  
all docs

37  
docs citations

37  
times ranked

2438  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fiber Loop Laser Stabilized by Fano Resonance in Metallic Grating Coupled Resonator. IEEE Photonics Technology Letters, 2016, 28, 1597-1600.	2.5	1
2	Controlled excitation of higher radial order whispering gallery modes with metallic diffraction grating. Optics Express, 2015, 23, 4991.	3.4	4
3	Power transfer mechanism of metallic grating coupled whispering gallery microsphere resonator. Optics Letters, 2015, 40, 1908.	3.3	4
4	Reflective liquid level sensor based on modes conversion in thin-core fiber incorporating titled fiber Bragg grating. Optics Express, 2014, 22, 11834.	3.4	55
5	Simple and compact reflective refractometer based on tilted fiber Bragg grating inscribed in thin-core fiber. Optics Letters, 2014, 39, 22.	3.3	48
6	Bandwidth analysis of waveguide grating coupler. Optics Express, 2013, 21, 5688.	3.4	35
7	Metallic diffraction grating enhanced coupling in whispering gallery resonator. Optics Express, 2013, 21, 8939.	3.4	13
8	Design and characterization of low loss 50 picoseconds delay line on SOI platform. Optics Express, 2013, 21, 21285.	3.4	5
9	Fano resonances in metallic grating coupled whispering gallery mode resonator. Applied Physics Letters, 2013, 103, .	3.3	18
10	Metallic grating coupled whispering gallery mode resonator. , 2013, , .		0
11	Long period grating cascaded to photonic crystal fiber modal interferometer for simultaneous measurement of temperature and refractive index. Optics Letters, 2012, 37, 2283.	3.3	112
12	Design for broadband high-efficiency grating couplers. Optics Letters, 2012, 37, 530.	3.3	53
13	Radially graded index whispering gallery mode resonator for penetration enhancement. Optics Express, 2012, 20, 26285.	3.4	15
14	Whispering gallery mode excitation and collection using fused-tapered fiber tips. , 2012, , .		0
15	Whispering gallery resonator based on index profiling. , 2012, , .		0
16	Mode converter between channel waveguide and slot waveguide. , 2012, , .		0
17	Tolerant wideband high-efficiency grating coupler for TM mode excitation. , 2012, , .		1
18	Vertical coupling for silicon nitride waveguides using silicon grating couplers and transitions. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
19	Novel Miniaturized Fabry-Perot Refractometer Based on a Simplified Hollow-Core Fiber With a Hollow Silica Sphere Tip. IEEE Sensors Journal, 2012, 12, 1239-1245.	4.7	63
20	Raman-Assisted Wavelength Conversion in Chalcogenide Waveguides. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 646-653.	2.9	4
21	Investigation and suppression of the pump-to-Stokes relative intensity noise transfer in chalcogenide waveguide Raman laser. Optics Letters, 2011, 36, 2366.	3.3	0
22	Photoinduced whispering gallery mode microcavity resonator in a chalcogenide microfiber. Optics Letters, 2011, 36, 4761.	3.3	32
23	A Review on Functionalized Gold Nanoparticles for Biosensing Applications. Plasmonics, 2011, 6, 491-506.	3.4	649
24	Optical sampling of ultrahigh bitrate signals using highly nonlinear chalcogenide planar waveguides or tapered fibers. Proceedings of SPIE, 2010, , .	0.8	0
25	Ultra-high efficiency wavelength conversion by coherent anti-stokes Raman scattering (CARS) in chalcogenide waveguides. , 2010, , .		0
26	High conversion efficiency and low lasing threshold waveguide Raman laser for optical interconnect. , 2010, , .		0
27	Investigation of wavelength conversion by coherent anti-Stokes Raman scattering (CARS) in chalcogenide waveguides. , 2010, , .		0
28	Energy efficient chalcogenide waveguide Raman laser for optical interconnect. Optics Express, 2010, 18, 24434.	3.4	4
29	High-Resolution Optical Sampling of 640-Gb/s Data Using Four-Wave Mixing in Dispersion-Engineered Highly Nonlinear As <sub>2</sub> S <sub>3</sub> Planar Waveguides. Journal of Lightwave Technology, 2010, 28, 209-215.	4.6	47
30	High-resolution optical sampling by means of dispersionshifted highly nonlinear chalcogenide waveguides. , 2009, , .		2
31	High-resolution optical sampling of 640-Gb/s signals using highly nonlinear chalcogenide waveguides. , 2009, , .		0
32	Photonic-chip-based radio-frequency spectrum analyser with terahertz bandwidth. Nature Photonics, 2009, 3, 139-143.	31.4	178
33	Dispersion engineered As <sub>2</sub> S <sub>3</sub> planar waveguides for broadband four-wave mixing based wavelength conversion of 40 Gb/s signals. Optics Express, 2009, 17, 3514.	3.4	75
34	Terahertz bandwidth RF spectrum analysis of femtosecond pulses using a chalcogenide chip. Optics Express, 2009, 17, 9314.	3.4	29
35	A Radio Frequency Spectrum Analyser with Terahertz Bandwidth based on a Highly Nonlinear As <sub>2</sub> S <sub>3</sub> Chalcogenide Glass Waveguide. , 2009, , .		0
36	Error-free 640 Gbit/s demultiplexing using a chalcogenide planar waveguide chip. , 2008, , .		4

#	ARTICLE	IF	CITATIONS
37	Applications of Long Period Gratings in Solid Core Photonic Bandgap Fibers. AIP Conference Proceedings, 2008, , .	0.4	1