

# 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	A Review on Functionalized Gold Nanoparticles for Biosensing Applications. <i>Plasmonics</i> , 2011, 6, 491-506.	3.4	649
2	Photonic-chip-based radio-frequency spectrum analyser with terahertz bandwidth. <i>Nature Photonics</i> , 2009, 3, 139-143.	31.4	178
3	Long period grating cascaded to photonic crystal fiber modal interferometer for simultaneous measurement of temperature and refractive index. <i>Optics Letters</i> , 2012, 37, 2283.	3.3	112
4	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. <i>Optics Express</i> , 2009, 17, 3514.	3.4	75
5	Novel Miniaturized Fabry-Pérot Refractometer Based on a Simplified Hollow-Core Fiber With a Hollow Silica Sphere Tip. <i>IEEE Sensors Journal</i> , 2012, 12, 1239-1245.	4.7	63
6	Reflective liquid level sensor based on modes conversion in thin-core fiber incorporating tilted fiber Bragg grating. <i>Optics Express</i> , 2014, 22, 11834.	3.4	55
7	Design for broadband high-efficiency grating couplers. <i>Optics Letters</i> , 2012, 37, 530.	3.3	53
8	Simple and compact reflective refractometer based on tilted fiber Bragg grating inscribed in thin-core fiber. <i>Optics Letters</i> , 2014, 39, 22.	3.3	48
9	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. <i>Journal of Lightwave Technology</i> , 2010, 28, 209-215.	4.6	47
10	Bandwidth analysis of waveguide grating coupler. <i>Optics Express</i> , 2013, 21, 5688.	3.4	35
11	Photoinduced whispering gallery mode microcavity resonator in a chalcogenide microfiber. <i>Optics Letters</i> , 2011, 36, 4761.	3.3	32
12	Terahertz bandwidth RF spectrum analysis of femtosecond pulses using a chalcogenide chip. <i>Optics Express</i> , 2009, 17, 9314.	3.4	29
13	Fano resonances in metallic grating coupled whispering gallery mode resonator. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	18
14	Radially graded index whispering gallery mode resonator for penetration enhancement. <i>Optics Express</i> , 2012, 20, 26285.	3.4	15
15	Metallic diffraction grating enhanced coupling in whispering gallery resonator. <i>Optics Express</i> , 2013, 21, 8939.	3.4	13
16	Design and characterization of low loss 50 picoseconds delay line on SOI platform. <i>Optics Express</i> , 2013, 21, 21285.	3.4	5
17	Error-free 640 Gbit/s demultiplexing using a chalcogenide planar waveguide chip. , 2008, , .		4
18	Energy efficient chalcogenide waveguide Raman laser for optical interconnect. <i>Optics Express</i> , 2010, 18, 24434.	3.4	4

#	ARTICLE	IF	CITATIONS
19	Raman-Assisted Wavelength Conversion in Chalcogenide Waveguides. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 646-653.	2.9	4
20	Controlled excitation of higher radial order whispering gallery modes with metallic diffraction grating. Optics Express, 2015, 23, 4991.	3.4	4
21	Power transfer mechanism of metallic grating coupled whispering gallery microsphere resonator. Optics Letters, 2015, 40, 1908.	3.3	4
22	High-resolution optical sampling by means of dispersionshifted highly nonlinear chalcogenide waveguides. , 2009, , .		2
23	Applications of Long Period Gratings in Solid Core Photonic Bandgap Fibers. AIP Conference Proceedings, 2008, , .	0.4	1
24	Tolerant wideband high-efficiency grating coupler for TM mode excitation. , 2012, , .		1
25	Fiber Loop Laser Stabilized by Fano Resonance in Metallic Grating Coupled Resonator. IEEE Photonics Technology Letters, 2016, 28, 1597-1600.	2.5	1
26	High-resolution optical sampling of 640-Gb/s signals using highly nonlinear chalcogenide waveguides. , 2009, , .		0
27	Optical sampling of ultrahigh bitrate signals using highly nonlinear chalcogenide planar waveguides or tapered fibers. Proceedings of SPIE, 2010, , .	0.8	0
28	Ultra-high efficiency wavelength conversion by coherent anti-stokes Raman scattering (CARS) in chalcogenide waveguides. , 2010, , .		0
29	High conversion efficiency and low lasing threshold waveguide Raman laser for optical interconnect. , 2010, , .		0
30	Investigation of wavelength conversion by coherent anti-Stokes Raman scattering (CARS) in chalcogenide waveguides. , 2010, , .		0
31	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
32	Whispering gallery mode excitation and collection using fused-tapered fiber tips. , 2012, , .		0
33	Whispering gallery resonator based on index profiling. , 2012, , .		0
34	Mode converter between channel waveguide and slot waveguide. , 2012, , .		0
35	Vertical coupling for silicon nitride waveguides using silicon grating couplers and transitions. , 2012, , .		0
36	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

#	ARTICLE	IF	CITATIONS
37	Metallic grating coupled whispering gallery mode resonator. , 2013, , .		0