

# Jia Ge

## List of Publications by Year in descending order

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34  
papers

471  
citations

759233

12  
h-index

713466

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g-index

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34  
docs citations

34  
times ranked

430  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of Field Effect Passivation Created by Hydrogen Plasma Etching of Radio Corporation of America Formed Chemical Oxides on Crystalline Silicon Wafers. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021, 218, 2000586.	1.8	1
2	Photonic implementation of a highly reconfigurable wideband RF spectral shaper. <i>Optics Communications</i> , 2019, 445, 111-118.	2.1	3
3	Reconfigurable microwave photonic spectral shaper. , 2019, , .		1
4	Dynamic and multiband RF spectral processing. , 2019, , .		3
5	Reconfigurable RF Multiband Filter With Widely Tunable Passbands Based on Cascaded Optical Interferometric Filters. <i>Journal of Lightwave Technology</i> , 2018, 36, 2933-2940.	4.6	24
6	Stretchable fiber-Bragg-grating-based sensor. <i>Optics Letters</i> , 2018, 43, 2503.	3.3	42
7	Stretchable multi-function fiber sensor for tension, bending and torsion sensing. , 2018, , .		1
8	Microwave photonic multiband filter with independently tunable passband spectral properties. <i>Optics Letters</i> , 2018, 43, 5685.	3.3	18
9	Optically Controlled Fast Reconfigurable Microwave Photonic Dual-Band Filter Based on Nonlinear Polarization Rotation. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017, 65, 253-259.	4.6	17
10	Temperature-Insensitive Contact Force Sensing in Bi-Directional Catheter Using Fiber Bragg Grating Pair. <i>IEEE Sensors Journal</i> , 2017, 17, 5118-5122.	4.7	7
11	Dual-layer orthogonal fiber Bragg grating mesh based soft sensor for 3-dimensional shape sensing. <i>Optics Express</i> , 2017, 25, 24727.	3.4	49
12	Tunable Multiband Microwave Photonic Filters. <i>Photonics</i> , 2017, 4, 45.	2.0	27
13	Continuously tunable and reconfigurable microwave photonic multiband filter based on cascaded MZIs. , 2017, , .		4
14	3-Dimensional Soft Shape Sensor based on Dual-layer Orthogonal Fiber Bragg Grating Mesh. , 2017, , .		3
15	Temperature-Insensitive Fiber-Optic Contact Force Sensor for Steerable Catheters. <i>IEEE Sensors Journal</i> , 2016, 16, 4771-4775.	4.7	16
16	Bidirectional Soft Silicone Curvature Sensor Based on Off-Centered Embedded Fiber Bragg Grating. <i>IEEE Photonics Technology Letters</i> , 2016, 28, 2237-2240.	2.5	71
17	Simultaneous 12-passband microwave photonic multiband filter with reconfigurable passband frequency. , 2016, , .		3
18	Optically controlled microwave photonic dual-band filter with ultrafast reconfigurable capability. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
19	Passband switchable microwave photonic multiband filter. Scientific Reports, 2015, 5, 15882.	3.3	50
20	Ultra High-Speed Radio Frequency Switch Based on Photonics. Scientific Reports, 2015, 5, 17263.	3.3	26
21	High-speed tunable microwave photonic notch filter based on phase modulator incorporated Lyot filter. Optics Letters, 2015, 40, 48.	3.3	29
22	Frequency Band Selectable Microwave Photonic Multiband Bandpass Filter based on Lyot filter. , 2015, , .		6
23	High-speed tunable microwave photonic notch filter based on phase modulator incorporated loop mirror filter. , 2015, , .		5
24	A Reconfigurable High-Order UWB Signal Generation Scheme Using RSOA-MZI Structure. IEEE Photonics Journal, 2014, 6, 1-7.	2.0	11
25	High-speed wavelength tunable DPSK demodulation using a phase modulator based loop mirror filter. Optics Letters, 2014, 39, 3500.	3.3	8
26	Spiral-structured fiber Bragg grating for contact force sensing through direct power measurement. Optics Express, 2014, 22, 10439.	3.4	16
27	Rayleigh backscattering noise suppression based on real-time heterodyne receiver for loop-back WDM-PON. Optics Express, 2014, 22, 22673.	3.4	0
28	Suppression of Rayleigh backscattering noise using cascaded-SOA and microwave photonic filter for 10 Gb/s loop-back WDM-PON. Optics Express, 2014, 22, 11770.	3.4	12
29	MRI-conditional catheter sensor for contact force and temperature monitoring during cardiac electrophysiological procedures. Journal of Cardiovascular Magnetic Resonance, 2014, 16, P150.	3.3	10
30	Augmented Reality for Improving Catheterization in Magnetic Resonance Imaging-Guided Cardiac Electrophysiology Therapy1. Journal of Medical Devices, Transactions of the ASME, 2014, 8, .	0.7	4
31	Mitigating Rayleigh Backscattering Noise in WDM-PON by Using Cascaded SOAs and Microwave Photonic Filter. , 2014, , .		1
32	Rail Track Surface Image Acquisition and Positioning. Applied Mechanics and Materials, 2013, 278-280, 1143-1147.	0.2	0
33	Automatic Detection for Defects of Railroad Track Surface. Applied Mechanics and Materials, 2013, 278-280, 856-860.	0.2	1
34	Fast online detection of body defect of glass containers. Proceedings of SPIE, 2011, , .	0.8	1