

# Ri-Qing Lv

## List of Publications by Year in descending order

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16  
papers

634  
citations

840776

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940533

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docs citations

16  
times ranked

594  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hollow-core photonic crystal fiber Fabry-Perot sensor for magnetic field measurement based on magnetic fluid. Optics and Laser Technology, 2012, 44, 899-902.	4.6	136
2	Magnetic Fluid-Filled Optical Fiber Fabry-Perot Sensor for Magnetic Field Measurement. IEEE Photonics Technology Letters, 2014, 26, 217-219.	2.5	108
3	Fiber Optic Fabry-Perot Magnetic Field Sensor With Temperature Compensation Using a Fiber Bragg Grating. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 2210-2214.	4.7	94
4	Tunable Characteristics and Mechanism Analysis of the Magnetic Fluid Refractive Index With Applied Magnetic Field. IEEE Transactions on Magnetics, 2014, 50, 1-5.	2.1	74
5	Novel optical devices based on the tunable refractive index of magnetic fluid and their characteristics. Journal of Magnetism and Magnetic Materials, 2011, 323, 2987-2996.	2.3	56
6	Multi-modes interferometer for magnetic field and temperature measurement using Photonic crystal fiber filled with magnetic fluid. Optical Fiber Technology, 2018, 41, 1-6.	2.7	48
7	High-sensitivity salinity measurement sensor based on no-core fiber. Sensors and Actuators A: Physical, 2020, 305, 111947.	4.1	31
8	Reflective Highly Sensitive Fabry-Perot Magnetic Field Sensor Based on Magneto-Volume Effect of Magnetic Fluid. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-6.	4.7	18
9	Reflective Optical Fiber Sensor Based on Dual Fabry Perot Cavities for Simultaneous Measurement of Salinity and Temperature. IEEE Sensors Journal, 2021, 21, 27495-27502.	4.7	16
10	A novel high accuracy optical path difference compensation method based on phase difference technology. Optics and Lasers in Engineering, 2021, 137, 106367.	3.8	12
11	High-sensitivity special open-cavity Mach-Zehnder structure for salinity measurement based on etched double-side hole fiber. Optics Letters, 2021, 46, 2714.	3.3	12
12	Magnetic field sensor based on the magnetic-fluid-clad combined with singlemode-multimode-singlemode fiber and large core-offset splicing structure. Measurement Science and Technology, 2018, 29, 035204.	2.6	11
13	Temperature compensated fiber optic magnetic sensor based on the combination interference principle. Optics Letters, 2022, 47, 2558.	3.3	6
14	Magnetic Field Measurement Method Based on the Magneto-Volume Effect of Hollow Core Fiber Filled With Magnetic Fluid. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-8.	4.7	5
15	High-sensitivity temperature sensor based on single-mode fiber for temperature-measurement application in the ocean. Optical Engineering, 2018, 57, 1.	1.0	4
16	High-sensitivity special open-cavity Mach-Zehnder structure for salinity measurement based on etched double-side hole fiber: publisher's note. Optics Letters, 2021, 46, 3069.	3.3	3