

Microstructured optical fiber based Fabry-Pérot in utilizing chitosan polymeric matrix for breath monitoring

Scientific Reports

10, 6002

DOI: [10.1038/s41598-020-62887-y](https://doi.org/10.1038/s41598-020-62887-y)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Ultra-Compact Optical Thermo-Hygrometer Based on Bilayer Micro-Cap on Fiber Facet. IEEE Photonics Technology Letters, 2020, 32, 1089-1092.	1.3	3
2	Breathing process monitoring with a biaxially oriented polypropylene film based fiber Fabry-Perot sensor. Optics Communications, 2020, 475, 126292.	1.0	11
3	Optical fiber temperature sensor with insensitive refractive index and strain based on phase demodulation. Microwave and Optical Technology Letters, 2020, 62, 3733-3738.	0.9	7
4	Milimetre Altit-İlâşimlerin Fiber Optik Yer Değiştirme Sensörleri. European Journal of Science and Technology, 0, , .	0.5	0
5	High-sensitivity relative humidity fiber-optic sensor based on an internal-external Fabry-Perot cavity Vernier effect. Optics Express, 2021, 29, 11854.	1.7	46
6	Fiber Optic Sensor Design and Prototyping for Humidity Detection in Biogas Reactors. Journal of Polytechnic, 0, , .	0.4	1
7	Humidity Sensing by Chitosan-Coated Fibre Bragg Gratings (FBG). Sensors, 2021, 21, 3348.	2.1	16
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9	Versatile Interferometric Sensor Based on Sandwiched Grapefruit Photonic Crystal Fiber. IEEE Sensors Journal, 2021, 21, 17875-17881.	2.4	3
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15	Spider dragline silk-based FP humidity sensor with ultra-high sensitivity. Sensors and Actuators B: Chemical, 2022, 350, 130895.	4.0	9
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17	Review of Optical Humidity Sensors. Sensors, 2021, 21, 8049.	2.1	31
18	High-Sensitivity Humidity Sensor Based on Microknot Resonator Assisted Agarose-Coated Mach-Zehnder Interferometer. Journal of Lightwave Technology, 2022, 40, 2191-2196.	2.7	5

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19	Simultaneous Measurement of Temperature and Relative Humidity Using Cascaded C-shaped Fabry-Perot interferometers. <i>Journal of Lightwave Technology</i> , 2022, 40, 1209-1215.	2.7	24
20	Environment-Robust Polarization-Based Phase-Shift Dynamic Demodulation Method for Optical Fiber Acoustic Sensor. <i>IEEE Photonics Journal</i> , 2022, 14, 1-8.	1.0	1
21	High sensitivity relative humidity sensor based on two parallel-connected Fabry-Perot interferometers and Vernier effect. <i>Optical Fiber Technology</i> , 2022, 68, 102767.	1.4	6
22	Dual-purpose optical fiber sensor: relative humidity and ammonia detection. , 2022, 1, 335.		3
23	PCF based modal interferometer for lead ion detection. <i>Optics Express</i> , 2022, 30, 4895.	1.7	9
24	Relative humidity sensor based on cascaded Fabry-Perot interferometers and Vernier effect. <i>Optik</i> , 2022, 254, 168605.	1.4	7
25	Flexible Ni/NiOx-Based Sensor for Human Breath Detection. <i>Materials</i> , 2022, 15, 47.	1.3	8
26	Recent Advances in Fiber Optic Sensors for Respiratory Monitoring. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
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33	Microbubble-based optical fiber Fabry-Perot sensor for simultaneous high-pressure and high-temperature sensing. <i>Optics Express</i> , 2022, 30, 33639.	1.7	9
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35	Compact fiber Fabry-Perot sensors filled with PNIPAM hydrogel for highly sensitive relative humidity measurement. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022, 201, 111781.	2.5	6
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37	High-sensitive and millisecond-response all-nanofiber-optic humidity sensor using evanescent coupling. <i>Sensors and Actuators B: Chemical</i> , 2023, 379, 133211.	4.0	2
38	A review of microstructured optical fibers for sensing applications. <i>Optical Fiber Technology</i> , 2023, 77, 103277.	1.4	3
39	Preparation of highly stable and ultrasMOOTH chemically grafted thin films of chitosan. <i>Soft Matter</i> , 2023, 19, 1606-1616.	1.2	2
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42	Hydrogel-integrated optical fiber sensors and their applications: a comprehensive review. <i>Journal of Materials Chemistry C</i> , 2023, 11, 9383-9424.	2.7	5