

Dnyandeo Pawar

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

24
papers

306
citations

11
h-index

17
g-index

29
ext. papers

408
ext. citations

4.1
avg, IF

3.93
L-index

#	Paper	IF	Citations
24	Mach-Zehnder interferometric photonic crystal fiber for low acoustic frequency detections. <i>Applied Physics Letters</i> , 2016 , 108, 041912	3.4	45
23	A review on nanomaterial-modified optical fiber sensors for gases, vapors and ions. <i>Mikrochimica Acta</i> , 2019 , 186, 253	5.8	41
22	Down to ppb level NO ₂ detection by ZnO/rGO heterojunction based chemiresistive sensors. <i>Chemical Engineering Journal</i> , 2020 , 401, 125491	14.7	40
21	Nanocomposite modified optical fiber: A room temperature, selective H ₂ S gas sensor: Studies using ZnO-PMMA. <i>Journal of Alloys and Compounds</i> , 2017 , 695, 2091-2096	5.7	30
20	Nano-carbon: preparation, assessment, and applications for NH ₃ gas sensor and electromagnetic interference shielding. <i>RSC Advances</i> , 2016 , 6, 97266-97275	3.7	30
19	Negative axicon tip-based fiber optic interferometer cavity sensor for volatile gas sensing. <i>Optics Express</i> , 2019 , 27, 7277-7290	3.3	19
18	ZnO coated Fabry-Perot interferometric optical fiber for detection of gasoline blend vapors: Refractive index and fringe visibility manipulation studies. <i>Optics and Laser Technology</i> , 2017 , 89, 46-53	4.2	17
17	FeO-decorated graphene assembled porous carbon nanocomposite for ammonia sensing: study using an optical fiber Fabry-Perot interferometer. <i>Analyst, The</i> , 2018 , 143, 1890-1898	5	14
16	Fiber optic Fabry-Perot interferometer sensor: an efficient and fast approach for ammonia gas sensing. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019 , 36, 684	1.7	13
15	Birefringence manipulation in tapered polarization-maintaining photonic crystal fiber Mach-Zehnder interferometer for refractive index sensing. <i>Sensors and Actuators A: Physical</i> , 2016 , 252, 180-184	3.9	12
14	High-performance dual cavity-interferometric volatile gas sensor utilizing Graphene/PMMA nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2020 , 312, 127921	8.5	11
13	Highly porous graphene coated Fabry-Perot interferometer optical fiber NH ₃ gas sensor 2016 ,		6
12	Magneto-optical fiber sensor based on Fabry-Perot interferometer with perovskite magnetic material. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 499, 166298	2.8	6
11	Electric field controlled near-infrared high-speed electro-optic switching modulator integrated with 2D MgO. <i>Optics Letters</i> , 2020 , 45, 4611-4614	3	4
10	Highly ordered mesoporous V ₂ O ₅ nanospheres utilized chemiresistive sensors for selective detection of xylene. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021 , 265, 115031	3.1	4
9	Smart Polymer-Based Chemical Sensors 2020 , 75-138		2
8	Ultrahigh-responsivity deep-UV photodetector based on heterogeneously integrated AZO/a-Ga ₂ O ₃ vertical structure. <i>Journal of Alloys and Compounds</i> , 2022 , 889, 161599	5.7	2

7	Bromothymol blue coated fiber optic Fabry-Perot interferometer for ammonia gas sensor 2017 ,		1
6	Polyvinyl alcohol filled negative axicon tip based highly sensitive fiber optic sensor for acetone sensing. <i>Materials Today: Proceedings</i> , 2020 , 28, 1816-1819	1.4	1
5	PVA-coated miniaturized flexible fiber optic sensor for acetone detection: a prospective study for non-invasive diabetes diagnosis. <i>Journal of Materials Science: Materials in Electronics</i> , 2022 , 33, 2509	2.1	1
4	Negative axicon tip micro-cavity with a polymer incorporated optical fiber temperature sensor. <i>OSA Continuum</i> , 2019 , 2, 2353	1.4	1
3	Ultra-high sensitive and ultra-low NO ₂ detection at low-temperature based on ultrathin In ₂ O ₃ nanosheets. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 19487-19498	2.1	0
2	Fiber Optic Sensor for Acid Detection: An Efficient and Fast Approach for Concentrated Sulphuric Acid Detection. <i>Springer Proceedings in Physics</i> , 2020 , 71-75	0.2	
1	Gas sensors-based on field-effect transistors 2021 , 355-375		