Dnyandeo Pawar

List of Publications by Year
in descending order

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		777949	759306
27	525	13	22
papers	citations	h-index	g-index

29	29	29	799
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	PVA-coated miniaturized flexible fiber optic sensor for acetone detection: a prospective study for non-invasive diabetes diagnosis. Journal of Materials Science: Materials in Electronics, 2022, 33, 2509-2517.	1.1	4
2	Au@ZnO/rGO nanocomposite-based ultra-low detection limit highly sensitive and selective NO₂ gas sensor. Journal of Materials Chemistry C, 2022, 10, 4295-4305.	2.7	30
3	Gas sensors-based on field-effect transistors. , 2021, , 355-375.		0
4	Highly ordered mesoporous V2O5 nanospheres utilized chemiresistive sensors for selective detection of xylene. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 265, 115031.	1.7	13
5	Ultra-high sensitive and ultra-low NO2 detection at low-temperature based on ultrathin In2O3 nanosheets. Journal of Materials Science: Materials in Electronics, 2021, 32, 19487-19498.	1.1	3
6	Ultrahigh-responsivity deep-UV photodetector based on heterogeneously integrated AZO/a-Ga2O3 vertical structure. Journal of Alloys and Compounds, 2021, 889, 161599.	2.8	8
7	Magneto-optical fiber sensor based on Fabry-Perot interferometer with perovskite magnetic material. Journal of Magnetism and Magnetic Materials, 2020, 499, 166298.	1.0	13
8	Polyvinyl alcohol filled negative axicon tip based highly sensitive fiber optic sensor for acetone sensing. Materials Today: Proceedings, 2020, 28, 1816-1819.	0.9	4
9	High-performance dual cavity-interferometric volatile gas sensor utilizing Graphene/PMMA nanocomposite. Sensors and Actuators B: Chemical, 2020, 312, 127921.	4.0	21
10	Down to ppb level NO2 detection by ZnO/rGO heterojunction based chemiresistive sensors. Chemical Engineering Journal, 2020, 401, 125491.	6.6	86
11	Electric field controlled near-infrared high-speed electro-optic switching modulator integrated with 2D MgO. Optics Letters, 2020, 45, 4611.	1.7	7
12	Fiber Optic Sensor for Acid Detection: An Efficient and Fast Approach for Concentrated Sulphuric Acid Detection. Springer Proceedings in Physics, 2020, , 71-75.	0.1	0
13	A review on nanomaterial-modified optical fiber sensors for gases, vapors and ions. Mikrochimica Acta, 2019, 186, 253.	2.5	60
14	Fiber optic Fabryâ€“Perot interferometer sensor: an efficient and fast approach for ammonia gas sensing. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 684.	0.9	22
15	Negative axicon tip-based fiber optic interferometer cavity sensor for volatile gas sensing. Optics Express, 2019, 27, 7277.	1.7	37
16	Negative axicon tip micro-cavity with a polymer incorporated optical fiber temperature sensor. OSA Continuum, 2019, 2, 2353.	1.8	5
17	Fe₃O₄-decorated graphene assembled porous carbon nanocomposite for ammonia sensing: study using an optical fiber Fabryâ€“Perot interferometer. Analyst, The, 2018, 143, 1890-1898.	1.7	21
18	Low Magnetic Field Sensing Using Manganite (La<inf>0</inf>.<inf>7</inf>Sr<inf>0.3</inf>MnO<inf>3</inf>) Nanoparticles with Optical Fiber Interferometric Approach. , 2018, , .		1

#	Article	IF	Citations
19	Bromothymol blue coated fiber optic Fabry-Perot interferometer for ammonia gas sensor. Proceedings of SPIE, 2017, , .	0.8	2
20	Nanocomposite modified optical fiber: A room temperature, selective H2S gas sensor: Studies using ZnO-PMMA. Journal of Alloys and Compounds, 2017, 695, 2091-2096.	2.8	38
21	ZnO coated Fabry-Perot interferometric optical fiber for detection of gasoline blend vapors: Refractive index and fringe visibility manipulation studies. Optics and Laser Technology, 2017, 89, 46-53.	2.2	23
22	Nanometric Fabry-Perot cavity length modulations: Study using Photonic crystal fiber modal interferometer. , 2017, , .		0
23	Tapered-single mode fiber with an PM-PCF amplifier for refractive index sensing: via trapping and amplifying evanescent waves. , 2017, , .		0
24	Mach-Zehnder interferometric photonic crystal fiber for low acoustic frequency detections. Applied Physics Letters, 2016, 108, .	1.5	65
25	Birefringence manipulation in tapered polarization-maintaining photonic crystal fiber Mach-Zehnder interferometer for refractive index sensing. Sensors and Actuators A: Physical, 2016, 252, 180-184.	2.0	18
26	Nano-carbon: preparation, assessment, and applications for NH₃ gas sensor and electromagnetic interference shielding. RSC Advances, 2016, 6, 97266-97275.	1.7	32
27	Highly porous graphene coated Fabry-Perot interferometer optical fiber NH_3 gas sensor. , 2016, , .		6