Asrul Izam Azmi

List of Publications by Year
in descending order

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		759233	752698
45	453	12	20
papers	citations	h-index	g-index

45	45	45	433
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Graphene diaphragm integrated FBG sensors for simultaneous measurement of water level and temperature. Sensors and Actuators A: Physical, 2016, 252, 225-232.	4.1	58
2	Survey on Device to Device (D2D) Communication for 5GB/6G Networks: Concept, Applications, Challenges, and Future Directions. IEEE Access, 2022, 10, 30792-30821.	4.2	50
3	Fiber laser based hydrophone systems. Photonic Sensors, 2011, 1, 210-221.	5.0	45
4	Performance Enhancement of Vibration Sensing Employing Multiple Phase-Shifted Fiber Bragg Grating. Journal of Lightwave Technology, 2011, 29, 3453-3460.	4.6	33
5	Refractive index sensor based on lateral-offset of coreless silica interferometer. Optics and Laser Technology, 2018, 99, 396-401.	4.6	29
6	Largest Enhancement of Broadband Near-Infrared Emission of Ni²⁺ in Transparent Nanoglass Ceramics: Using Nd³⁺ as a Sensitizer and Yb³⁺ as an Energy-Transfer Bridge. Journal of Physical Chemistry C, 2019, 123, 10021-10027.	3.1	23
7	Acoustic emission techniques for failure characterisation in composite top-hat stiffeners. Journal of Reinforced Plastics and Composites, 2012, 31, 495-516.	3.1	21
8	High Sensitivity of Balloon-Like Bent MMI Fiber Low-Temperature Sensor. IEEE Photonics Technology Letters, 2015, 27, 1989-1992.	2.5	20
9	Optical link monitoring in fibre-to-the-x passive optical network (FTTx PON): A comprehensive survey. Optical Switching and Networking, 2020, 39, 100596.	2.0	19
10	Doubleâ€clad fiber Michelson interferometer for measurement of temperature and refractive index. Microwave and Optical Technology Letters, 2018, 60, 822-827.	1.4	17
11	Sensitivity Enhancement in Composite Cavity Fiber Laser Hydrophone. Journal of Lightwave Technology, 2010, 28, 1844-1850.	4.6	15
12	Progress in Ozone Sensors Performance: A Review. Jurnal Teknologi (Sciences and Engineering), 2015, 73, .	0.4	12
13	Optical path length and absorption cross section optimization for high sensitivity ozone concentration measurement. Sensors and Actuators B: Chemical, 2015, 221, 570-575.	7.8	11
14	Temperature-insensitive photonic crystal fiber interferometer for relative humidity sensing without hygroscopic coating. Measurement Science and Technology, 2013, 24, 105205.	2.6	8
15	Alternative wavelength for linearity preservation of <scp>B</scp>eerâ€“<scp>L</scp>ambert Law in ozone concentration measurement. Microwave and Optical Technology Letters, 2015, 57, 1013-1016.	1.4	7
16	Reactor temperature profiles of non-thermal plasma reactor using fiber Bragg grating sensor. Sensors and Actuators A: Physical, 2016, 244, 206-212.	4.1	7
17	Fiber Optic Acoustic Sensor Based on SMS Structure With Thin Polymer Diaphragm for Partial Discharge Detection. IEEE Access, 2020, 8, 188044-188055.	4.2	7
18	Simultaneous Measurement of High Refractive Index and Temperature Based on SSRS-FBG. IEEE Photonics Technology Letters, 2021, 33, 715-718.	2.5	7

#	Article	IF	Citations
19	Spectrophotometer with enhanced sensitivity for uric acid detection. Chinese Optics Letters, 2019, 17, 081701.	2.9	7
20	Resolution Improvement in Fabry-Perot Displacement Sensor Based on Fringe Counting Method. Telkomnika (Telecommunication Computing Electronics and Control), 2014, 12, 811.	0.8	5
21	Failure monitoring of E-glass/vinylester composites using fiber grating acoustic sensor. Photonic Sensors, 2013, 3, 184-192.	5.0	4
22	Improvement of measuring range in fiber interferometric liquid level sensor by employing digital filter for mode selectivity. Microwave and Optical Technology Letters, 2020, 62, 3042-3050.	1.4	4
23	Discrete liquid level fiber sensor. Telkomnika (Telecommunication Computing Electronics and) Tj ETQq1 1 0.784314 rgBT /Overlock 1	0.8	4
24	A High Sensitivity Refractive Index Sensor Based on Leaky Mode Coupler of MMI. IEEE Photonics Technology Letters, 2022, 34, 63-66.	2.5	4
25	Optimizing the data acquisition rate for a remotely controllable structural monitoring system with parallel operation and self-adaptive sampling. Smart Materials and Structures, 2011, 20, 065012.	3.5	3
26	Absorption Cross Section Simulation: a Preliminary Study of Ultraviolet Absorption Spectroscopy for Ozone Gas Measurement. Jurnal Teknologi (Sciences and Engineering), 2013, 64, .	0.4	3
27	Development of Fiber Bragg Grating (FBG) as Temperature Sensor Inside Packed-bed Non-thermal Plasma Reactor. Jurnal Teknologi (Sciences and Engineering), 2014, 68, .	0.4	3
28	Transmittance optimization for high sensitivity ozone concentration measurement. Sensors and Actuators B: Chemical, 2016, 229, 528-533.	7.8	3
29	Compact and high sensitivity lowâ€temperature sensor based on coreless silica fiber Machâ€Zehnder interferometer. Microwave and Optical Technology Letters, 2018, 60, 1929-1934.	1.4	3
30	Enhancement of the Response time of a Reflective Type Sensor for Ozone Measurements. Jurnal Teknologi (Sciences and Engineering), 2014, 69, .	0.4	3
31	Progressive failure monitoring of E-glass/vinylester curve composites using embedded FBG sensors. , 2012, , .		2
32	Intensity-modulated temperature sensor based on fiber interferometer with optical bandpass filtering. Microwave and Optical Technology Letters, 2016, 58, 1458-1462.	1.4	2
33	Acoustic Partial Discharge Detection Using Low-cost Pre-amplified Piezoelectric Transducer and Coated Optical Fiber Sensor. , 2018, , .		2
34	Dual sensing points Machâ€“Zehnder interferometer for refractive index and discrete liquid level sensing. Optik, 2021, 241, 166974.	2.9	2
35	Single-Mode-Multimode Silica Rod-Single-Mode High Refractive Index Fiber Sensor. IEEE Sensors Journal, 2022, 22, 10559-10566.	4.7	2
36	Performance Analysis of Apodized DFB Fiber Laser. , 2008, , .		1

#	Article	IF	Citations
37	Output power and threshold gain of apodized DFB fiber laser. Proceedings of SPIE, 2009, , .	0.8	1
38	Intensity-type vibration sensor based on multiple subchannels sensing scheme. , 2011, , .		1
39	Application of fiber grating-based acoustic sensor in progressive failure testing of e-glass/vinylester curve composites. , 2012, , .		1
40	Application of Packaging Technique in Fiber Bragg Grating Temperature Sensor for Measuring Localized and Nonuniform Temperature Distribution. Jurnal Teknologi (Sciences and Engineering), 2013, 64, .	0.4	1
41	Wide Range Analysis of Absorption Spectroscopy Ozone Gas Sensor. Jurnal Teknologi (Sciences and) Tj ETQq1 1 0.784314 rgBT /Over	0.4	1
42	OPTICAL FIBER LOSS ANALYSIS FOR AN APPLICATION OF SPECTROPHOTOMETER SYSTEM. Jurnal Teknologi (Sciences and Engineering), 2017, 79, .	0.4	1
43	Modeling and Simulation of Erbium doped Photonic Crystal Fiber. Telkomnika (Telecommunication) Tj ETQq1 1 0.784314 rgBT /Overl	0.8	1
44	Investigation of the effect of inlet radius on the response time of a transmission type ozone sensor. , 2014, , .		0
45	Analysis of Optimized and Improved Low Cost Carbon Dioxide (CO2) Reflective Mid-Infrared Gas Sensor. Jurnal Teknologi (Sciences and Engineering), 2015, 73, .	0.4	0