

Charusluk Viphavakit

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

194
citations

1307594

7
h-index

1199594

12
g-index

20
all docs

20
docs citations

20
times ranked

182
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of a horizontal slot waveguide biosensor to detect DNA hybridization. Applied Optics, 2015, 54, 4881.	2.1	45
2	Optical Fiber, Nanomaterial, and THz-Metasurface-Mediated Nano-Biosensors: A Review. Biosensors, 2022, 12, 42.	4.7	35
3	VOC Biomarker Monitoring for Diabetes Through Exhaled Breath Using Ag/P-TiO ₂ Composite Plasmonic Sensor. IEEE Sensors Journal, 2021, 21, 22631-22637.	4.7	32
4	A Highly Sensitive SPR Refractive Index Sensor Based on Microfluidic Channel Assisted With Graphene-Ag Composite Nanowire. IEEE Photonics Journal, 2021, 13, 1-8.	2.0	24
5	Gold Enhanced Hemoglobin Interaction in a Fabry-Pérot Based Optical Fiber Sensor for Measurement of Blood Refractive Index. Journal of Lightwave Technology, 2018, 36, 1118-1124.	4.6	22
6	An Experimental Study of the Effects of External Physiological Parameters on the Photoplethysmography Signals in the Context of Local Blood Pressure (Hydrostatic Pressure) Tj ETQq0 0 0 rgBT /Ovel lock 10Tf 50 537		
7	Realization of a polymer nanowire optical transducer by using the nanoimprint technique. Applied Optics, 2014, 53, 7487.	2.1	8
8	A Validation Study of a Polymer Optical Fiber Sensor for Monitoring Lumbar Spine Movement. Materials, 2019, 12, 762.	2.9	6
9	Demonstration of Polarization-Independent Surface Plasmon Resonance Polymer Waveguide for Refractive Index Sensing. Journal of Lightwave Technology, 2017, 35, 3012-3019.	4.6	3
10	Characterization of polymer nanowires fabricated using the nanoimprint method. Proceedings of SPIE, 2014, , .	0.8	2
11	Compact Photonic SOI Sensors. , 2019, , 343-383.		2
12	Dispersion characteristics of plasmonic waveguides for THz waves. , 2013, , .		1
13	DEVELOPMENT OF INTEGRATED MICROFLUIDIC DEVICE FOR OPTICAL FLOW RATE SENSING. Journal of Circuits, Systems and Computers, 2013, 22, 1340016.	1.5	1
14	Surface plasmon resonance-enhanced light interaction in an integrated ormocomp nanowire. Optical and Quantum Electronics, 2016, 48, 1.	3.3	1
15	Fabry-Pérot based refractive index optical fiber sensor for measurement of oxygen concentration levels in hypoxic tumors during radiotherapy treatment. , 2017, , .		1
16	Numerical Investigation of Localized Surface Plasmon Resonance (LSPR) based Sensor for Glucose Level Monitoring. , 2021, , .		1
17	Creating a smart environment using optical wireless. Proceedings of SPIE, 2010, , .	0.8	0
18	Development of integrated optical characterization bench for sensing microfluidic channel. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
19	Demonstration of a robust and portable polymer nano-wire based test bench towards sensing applications. , 2016, , .		0
20	Development of UV-enhanced Photocatalytic Microchannel Optical Waveguide for Water Treatment. , 2020, , .		0