Amine Miled

List of Publications by Year
in descending order

41	411	840776 11	794594 19
papers	citations	h-index	g-index

44	44	44	514
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Wire-Free and Fiber-Based Smart T-Shirt for Real-Time Breathing Rate Monitoring. IEEE Sensors Journal, 2022, 22, 4463-4471.	4.7	4
2	Optical Detection Techniques for Bioanalysis. , 2022, , 699-709.		0
3	Molecular sensing system based on multi-technologies architecture. , 2022, , .		0
4	Wearable Sensor Based on Flexible Sinusoidal Antenna for Strain Sensing Applications. Sensors, 2022, 22, 4069.	3.8	8
5	Towards an advanced neurotechnological system: colorimetric sensing with a novel grism-based spectrometer, functionalized gold nanoparticles and a heterogeneous embedded system. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, .	3.4	3
6	Multi-Modal Sensing Platform for Continuous Analysis of Maple Syrup in Production Process. IEEE Sensors Journal, 2021, 21, 17500-17507.	4.7	0
7	Aptamer-Modified Ultrastable Gold Nanoparticles for Dopamine Detection. IEEE Sensors Journal, 2021, 21, 2517-2525.	4.7	8
8	Practical increases in power output from soil-based microbial fuel cells under dynamic temperature variations. Sustainable Energy and Fuels, 2021, 5, 671-677.	4.9	12
9	Microscope-FTIR Spectrometry Based Sensor for Neurotransmitters Detection. IEEE Transactions on Biomedical Circuits and Systems, 2021, 15, 938-948.	4.0	2
10	Bacteria Energy Recovery System Using Natural Soil Bacteria in Microbial Fuel Cells. Energies, 2021, 14, 4393.	3.1	0
11	Optical Detection Techniques for Bioanalysis. , 2021, , 1-11.		1
12	Colorimetric Sensing System for Neurotransmitter Detection Based on Multi-technologies Architecture. , 2021, , .		2
13	FPGA-based Prediction System for Neurotransmitter Concentration Measurement from Spectrophotometry Data. , 2020, , .		0
14	Wearable Scanner Platform Based on Fiber Sensor Array for Real Time Breath Detection. , 2020, , .		1
15	A Highâ€Performance Membraneless Microfluidic Microbial Fuel Cell for Stable, Longâ€Term Benchtop Operation Under Strong Flow. ChemElectroChem, 2020, 7, 2227-2235.	3.4	19
16	Smart T-Shirt Based on Wireless Communication Spiral Fiber Sensor Array for Real-Time Breath Monitoring: Validation of the Technology. IEEE Sensors Journal, 2020, 20, 10841-10850.	4.7	28
17	Simulation and experimental results of a microfluidic dipole designed for brain experiments. , 2020, , .		0
18	Microspectrometry-FTIR based glucose and fructose biosensor with pseudo-continuous flow. , 2020, , .		0

#	Article	IF	Citations
19	Assessment of a Grism- Based Spectrometer Design for Neurotransmitter Detection. , 2020, , .		3
20	Electrochemical Detection of Dopamine Based on Functionalized Electrodes. Coatings, 2019, 9, 496.	2.6	24
21	A Review of Neurotransmitters Sensing Methods for Neuro-Engineering Research. Applied Sciences (Switzerland), 2019, 9, 4719.	2.5	60
22	Pseudo-Continuous Flow System for Dopamine and Ascorbic Acid Detection Based on FTIR-Spectrometery. , 2019, , .		3
23	Biocompatible compact micropump with integrated unidirectional microvalves for low pressure microfluidic applications. Sensors and Actuators A: Physical, 2018, 276, 246-258.	4.1	5
24	Pseudo-Continuous Flow FTIR System for Glucose, Fructose and Sucrose Identification in Mid-IR Range. Micromachines, 2018, 9, 517.	2.9	21
25	New Generation Wearable Antenna Based on Multimaterial Fiber for Wireless Communication and Real-Time Breath Detection. Photonics, 2018, 5, 33.	2.0	26
26	A Portable Wireless Communication Platform Based on a Multi-Material Fiber Sensor for Real-Time Breath Detection. Sensors, 2018, 18, 973.	3.8	25
27	Simple platform for chronic imaging of hippocampal activity during spontaneous behaviour in an awake mouse. Scientific Reports, 2017, 7, 43388.	3.3	17
28	Smart T-shirt with wireless respiration sensor. , 2017, , .		4
29	Counter/reference-based potentiostat architecture analysis and comparison. , 2017, , .		2
30	Miniaturized FDDA and CMOS Based Potentiostat for Bio-Applications. Sensors, 2017, 17, 810.	3.8	10
31	Recent Advancements towards Full-System Microfluidics. Sensors, 2017, 17, 1707.	3.8	8
32	Towards a Multifunctional Electrochemical Sensing and Niosome Generation Lab-on-Chip Platform Based on a Plug-and-Play Concept. Sensors, 2016, 16, 778.	3.8	13
33	Automated and reconfigurable platform for niosome generation based on a microfluidic architecture. , 2016, 2016, 2998-3001.		1
34	Electrochemical imaging for microfluidics: a full-system approach. Lab on A Chip, 2016, 16, 1081-1087.	6.0	20
35	Reconfigurable Prototyping Microfluidic Platform for DEP Manipulation and Capacitive Sensing. IEEE Transactions on Biomedical Circuits and Systems, 2015, 9, 155-165.	4.0	3
36	Microfluidic platform for neurotransmitter sensing based on cyclic voltammetry and dielectrophoresis for in vitro experiments. , 2015, 2015, 2171-4.		3

#	Article	IF	Citations
37	Reconfigurable Lab-on-Chip platform for algae cell manipulation. , 2014, , .		3
38	High Throughput Microfluidic Rapid and Low Cost Prototyping Packaging Methods. Journal of Visualized Experiments, 2013, , e50735.	0.3	0
39	Hybrid Modeling Method for a DEP Based Particle Manipulation. Sensors, 2013, 13, 1730-1753.	3.8	5
40	Low-voltage lab-on-chip for micro and nanoparticles manipulation and detection: experimental results. Analog Integrated Circuits and Signal Processing, 2012, 73, 707-717.	1.4	6
41	Dielectrophoresis-Based Integrated Lab-on-Chip for Nano and Micro-Particles Manipulation and Capacitive Detection. IEEE Transactions on Biomedical Circuits and Systems, 2012, 6, 120-132.	4.0	61