

Amine Miled

List of Publications by Year in descending order

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41
papers

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840776

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docs citations

44
times ranked

514
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	A Review of Neurotransmitters Sensing Methods for Neuro-Engineering Research. Applied Sciences (Switzerland), 2019, 9, 4719.	2.5	60
3	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
4	New Generation Wearable Antenna Based on Multimaterial Fiber for Wireless Communication and Real-Time Breath Detection. Photonics, 2018, 5, 33.	2.0	26
5	A Portable Wireless Communication Platform Based on a Multi-Material Fiber Sensor for Real-Time Breath Detection. Sensors, 2018, 18, 973.	3.8	25
6	Electrochemical Detection of Dopamine Based on Functionalized Electrodes. Coatings, 2019, 9, 496.	2.6	24
7	Pseudo-Continuous Flow FTIR System for Glucose, Fructose and Sucrose Identification in Mid-IR Range. Micromachines, 2018, 9, 517.	2.9	21
8	Electrochemical imaging for microfluidics: a full-system approach. Lab on A Chip, 2016, 16, 1081-1087.	6.0	20
9	A High-Performance Membraneless Microfluidic Microbial Fuel Cell for Stable, Long-Term Benchtop Operation Under Strong Flow. ChemElectroChem, 2020, 7, 2227-2235.	3.4	19
10	Simple platform for chronic imaging of hippocampal activity during spontaneous behaviour in an awake mouse. Scientific Reports, 2017, 7, 43388.	3.3	17
11	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
12	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
13	Miniaturized FDDA and CMOS Based Potentiostat for Bio-Applications. Sensors, 2017, 17, 810.	3.8	10
14	Recent Advancements towards Full-System Microfluidics. Sensors, 2017, 17, 1707.	3.8	8
15	Aptamer-Modified Ultrastable Gold Nanoparticles for Dopamine Detection. IEEE Sensors Journal, 2021, 21, 2517-2525.	4.7	8
16	Wearable Sensor Based on Flexible Sinusoidal Antenna for Strain Sensing Applications. Sensors, 2022, 22, 4069.	3.8	8
17	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
18	Hybrid Modeling Method for a DEP Based Particle Manipulation. Sensors, 2013, 13, 1730-1753.	3.8	5

#	ARTICLE	IF	CITATIONS
19	Biocompatible compact micropump with integrated unidirectional microvalves for low pressure microfluidic applications. <i>Sensors and Actuators A: Physical</i> , 2018, 276, 246-258.	4.1	5
20	Smart T-shirt with wireless respiration sensor. , 2017, , .		4
21	A Wire-Free and Fiber-Based Smart T-Shirt for Real-Time Breathing Rate Monitoring. <i>IEEE Sensors Journal</i> , 2022, 22, 4463-4471.	4.7	4
22	Reconfigurable Lab-on-Chip platform for algae cell manipulation. , 2014, , .		3
23	Reconfigurable Prototyping Microfluidic Platform for DEP Manipulation and Capacitive Sensing. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2015, 9, 155-165.	4.0	3
24	Microfluidic platform for neurotransmitter sensing based on cyclic voltammetry and dielectrophoresis for in vitro experiments. , 2015, 2015, 2171-4.		3
25	Pseudo-Continuous Flow System for Dopamine and Ascorbic Acid Detection Based on FTIR-Spectrometry. , 2019, , .		3
26	Assessment of a Grism- Based Spectrometer Design for Neurotransmitter Detection. , 2020, , .		3
27	Towards an advanced neurotechnological system: colorimetric sensing with a novel grism-based spectrometer, functionalized gold nanoparticles and a heterogeneous embedded system. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2022, 380, .	3.4	3
28	Counter/reference-based potentiostat architecture analysis and comparison. , 2017, , .		2
29	Microscope-FTIR Spectrometry Based Sensor for Neurotransmitters Detection. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2021, 15, 938-948.	4.0	2
30	Colorimetric Sensing System for Neurotransmitter Detection Based on Multi-technologies Architecture. , 2021, , .		2
31	Automated and reconfigurable platform for niosome generation based on a microfluidic architecture. , 2016, 2016, 2998-3001.		1
32	Wearable Scanner Platform Based on Fiber Sensor Array for Real Time Breath Detection. , 2020, , .		1
33	Optical Detection Techniques for Bioanalysis. , 2021, , 1-11.		1
34	High Throughput Microfluidic Rapid and Low Cost Prototyping Packaging Methods. <i>Journal of Visualized Experiments</i> , 2013, , e50735.	0.3	0
35	FPGA-based Prediction System for Neurotransmitter Concentration Measurement from Spectrophotometry Data. , 2020, , .		0
36	Multi-Modal Sensing Platform for Continuous Analysis of Maple Syrup in Production Process. <i>IEEE Sensors Journal</i> , 2021, 21, 17500-17507.	4.7	0

#	ARTICLE	IF	CITATIONS
37	Bacteria Energy Recovery System Using Natural Soil Bacteria in Microbial Fuel Cells. Energies, 2021, 14, 4393.	3.1	0
38	Simulation and experimental results of a microfluidic dipole designed for brain experiments. , 2020, , .		0
39	Microspectrometry-FTIR based glucose and fructose biosensor with pseudo-continuous flow. , 2020, , .		0
40	Optical Detection Techniques for Bioanalysis. , 2022, , 699-709.		0
41	Molecular sensing system based on multi-technologies architecture. , 2022, , .		0