Jean-Baptiste Sanchez

List of Publications by Year
in descending order

25 papers	595 citations	687363 13 h-index	713466 21 g-index
25 all docs	25 docs citations	25 times ranked	888 citing authors

#	Article	IF	Citations
1	Ammonia gas sensor based on electrosynthesized polypyrrole films. Talanta, 2009, 78, 199-206.	5.5	142
2	Ammonia gas sensors based on polypyrrole films: Influence of electrodeposition parameters. Sensors and Actuators B: Chemical, 2012, 171-172, 431-439.	7.8	68
3	Detection and quantification of lung cancer biomarkers by a micro-analytical device using a single metal oxide-based gas sensor. Sensors and Actuators B: Chemical, 2018, 255, 391-400.	7.8	63
4	A selective gas detection micro-device for monitoring the volatile organic compounds pollution. Sensors and Actuators B: Chemical, 2006, 119, 227-233.	7.8	48
5	Elaboration of ammonia gas sensors based on electrodeposited polypyrroleâ€"Cobalt phthalocyanine hybrid films. Talanta, 2013, 117, 45-54.	5.5	37
6	Characterization of materials toward toluene traces detection for air quality monitoring and lung cancer diagnosis. Materials Chemistry and Physics, 2017, 192, 374-382.	4.0	33
7	Detection of hydrogen fluoride using SnO2-based gas sensors: Understanding of the reactional mechanism. Sensors and Actuators B: Chemical, 2009, 143, 152-157.	7.8	32
8	Improvement of ozone detection with GLAD WO3 films. Materials Letters, 2015, 155, 1-3.	2.6	30
9	Exploiting the dodecane and ozone sensing capabilities of nanostructured tungsten oxide films. Sensors and Actuators B: Chemical, 2018, 266, 773-783.	7.8	21
10	Development of a gas detection micro-device for hydrogen fluoride vapours. Sensors and Actuators B: Chemical, 2006, 113, 1017-1024.	7.8	20
11	Development of a micro-analytical prototype for selective trace detection of orthonitrotoluene. Microchemical Journal, 2014, 114, 48-52.	4.5	20
12	Terpyridine-based metallopolymer thin films as active layer in ammonia sensor device. Synthetic Metals, 2016, 221, 214-219.	3.9	15
13	Silicon-Micromachined Gas Chromatographic Columns for the Development of Portable Detection Device. Journal of Sensors, 2010, 2010, 1-8.	1.1	14
14	Selection and characterization of adsorbents for the analysis of an explosive-related molecule traces in the air. Sensors and Actuators B: Chemical, 2013, 176, 124-131.	7.8	11
15	Novel Porous Carbon Material for the Detection of Traces of Volatile Organic Compounds in Indoor Air. ACS Applied Materials & Interfaces, 2021, 13, 40088-40097.	8.0	10
16	Reactive co-sputtering of tungsten oxide thin films by glancing angle deposition for gas sensors. Materials Today: Proceedings, 2019, 6, 314-318.	1.8	9
17	Nanostructured tin oxide materials for the sub-ppm detection of indoor formaldehyde pollution. Talanta, 2020, 208, 120396.	5.5	9
18	Towards a hybrid micro-device allowing the selective detection of hydrogen fluoride vapours in a complex mixture. Talanta, 2009, 80, 385-389.	5.5	6

#	Article	IF	Citations
19	Dealuminated Zeolite Y/SnO2 Nanoparticle Hybrid Sensors for Detecting Trace Levels of Propanol as a Lung Cancer Biomarker. ACS Applied Nano Materials, 2022, 5, 9170-9178.	5.0	4
20	Detection of Lung Cancer Bio-markers in Human Breath Using a Micro-fabricated Air Analyzer. Materials Today: Proceedings, 2015, 2, 4664-4670.	1.8	2
21	Forcespun metal oxide ultrafine tubes for hazardous gas monitoring. Materials Today: Proceedings, 2020, 27, 3124-3131.	1.8	1
22	Chromatographic air analyser microsystem for the selective and sensitive detection of atmospheric pollutants. Journal of Physics: Conference Series, 2011, 307, 012053.	0.4	0
23	Chromatographic Air Analyzer Microsystem for the Selective and Sensitive Detection of Explosive-related Compounds. Procedia Engineering, 2014, 87, 516-519.	1.2	0
24	6.4.4 Development of a gas micro-preconcentrator for the analysis of explosive traces: study and characterization of various adsorbing materials. , 2012, , .		0
25	Identification of an efficient adsorbent for ethanol sensing at room temperature using quartz crystal microbalance. Microporous and Mesoporous Materials, 2022, 336, 111869.	4.4	0