

Michel Gerboles

List of Publications by Year in descending order

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14
papers

1,314
citations

840776

11
h-index

1058476

14
g-index

15
all docs

15
docs citations

15
times ranked

1582
citing authors

#	ARTICLE	IF	CITATIONS
1	Field calibration of a cluster of low-cost available sensors for air quality monitoring. Part A: Ozone and nitrogen dioxide. <i>Sensors and Actuators B: Chemical</i> , 2015, 215, 249-257.	7.8	302
2	Review of Portable and Low-Cost Sensors for the Ambient Air Monitoring of Benzene and Other Volatile Organic Compounds. <i>Sensors</i> , 2017, 17, 1520.	3.8	287
3	Field calibration of a cluster of low-cost commercially available sensors for air quality monitoring. Part B: NO, CO and CO ₂ . <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 706-715.	7.8	241
4	Review of the Performance of Low-Cost Sensors for Air Quality Monitoring. <i>Atmosphere</i> , 2019, 10, 506.	2.3	227
5	Next Generation Air Quality Platform: Openness and Interoperability for the Internet of Things. <i>Sensors</i> , 2016, 16, 403.	3.8	48
6	Assessment of uncertainty of NO ₂ measurements by the chemiluminescence method and discussion of the quality objective of the NO ₂ European Directive. <i>Journal of Environmental Monitoring</i> , 2003, 5, 529.	2.1	47
7	Performance Evaluation of Amperometric Sensors for the Monitoring of O ₃ and NO ₂ in Ambient Air at ppb Level. <i>Procedia Engineering</i> , 2015, 120, 480-483.	1.2	44
8	Assessment of uncertainty of benzene measurements by Radiello diffusive sampler. <i>Atmospheric Environment</i> , 2008, 42, 2555-2568.	4.1	37
9	Toward a Unified Terminology of Processing Levels for Low-Cost Air-Quality Sensors. <i>Environmental Science & Technology</i> , 2019, 53, 8485-8487.	10.0	24
10	Highly sensitive benzene detection with metal oxide semiconductor gas sensors – an inter-laboratory comparison. <i>Journal of Sensors and Sensor Systems</i> , 2018, 7, 235-243.	0.9	17
11	Modification of the Palmes diffusion tube and semi-empirical modelling of the uptake rate for monitoring nitrogen dioxide. <i>Atmospheric Environment</i> , 2005, 39, 2579-2592.	4.1	16
12	Evaluation of a portable nephelometer against the Tapered Element Oscillating Microbalance method for monitoring PM _{2.5} . <i>Journal of Environmental Monitoring</i> , 2012, 14, 2145.	2.1	11
13	Performance Evaluation of Low-Cost BTEX Sensors and Devices within the EURAMET Key-VOCs Project. <i>Proceedings (mdpi)</i> , 2017, 1, .	0.2	7
14	Modified Target Diagram to check compliance of low-cost sensors with the Data Quality Objectives of the European air quality directive. <i>Atmospheric Environment</i> , 2022, 273, 118967.	4.1	6