

Laboratory Evaluation and Calibration of Three Low-Cost Matter Measurement

Aerosol Science and Technology

49, 1063-1077

DOI: [10.1080/02786826.2015.1100710](https://doi.org/10.1080/02786826.2015.1100710)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Silicon microfabrication based particulate matter sensor. <i>Sensors and Actuators A: Physical</i> , 2016, 247, 115-124.	2.0	17
2	Advances in a developed surface acoustic wave based particulate matter 2.5 monitor. , 2016, , .		3
3	Laboratory assessment of low-cost PM monitors. <i>Journal of Aerosol Science</i> , 2016, 102, 29-40.	1.8	150
4	Inter-comparison of low-cost sensors for measuring the mass concentration of occupational aerosols. <i>Aerosol Science and Technology</i> , 2016, 50, 462-473.	1.5	146
5	Evaluation of consumer monitors to measure particulate matter. <i>Journal of Aerosol Science</i> , 2017, 107, 123-133.	1.8	95
6	Evaluation of new low-cost particle monitors for PM2.5 concentrations measurements. <i>Journal of Aerosol Science</i> , 2017, 105, 24-34.	1.8	81
7	Performance calibration of low-cost and portable particular matter (PM) sensors. <i>Journal of Aerosol Science</i> , 2017, 112, 1-10.	1.8	92
8	Ambient and laboratory evaluation of a low-cost particulate matter sensor. <i>Environmental Pollution</i> , 2017, 221, 491-500.	3.7	302
9	Low-cost PM monitors as an opportunity to increase the spatiotemporal resolution of measurements of air quality. <i>Energy Procedia</i> , 2017, 128, 437-444.	1.8	22
10	Development of an environmental chamber for evaluating the performance of low-cost air quality sensors under controlled conditions. <i>Atmospheric Environment</i> , 2017, 171, 82-90.	1.9	67
11	End-user perspective of low-cost sensors for outdoor air pollution monitoring. <i>Science of the Total Environment</i> , 2017, 607-608, 691-705.	3.9	326
12	Aerosol Health Effects from Molecular to Global Scales. <i>Environmental Science & Technology</i> , 2017, 51, 13545-13567.	4.6	384
13	Spatio-temporal measurement of indoor particulate matter concentrations using a wireless network of low-cost sensors in households using solid fuels. <i>Environmental Research</i> , 2017, 152, 59-65.	3.7	64
14	Development and evaluation of an ultrasonic personal aerosol sampler. <i>Indoor Air</i> , 2017, 27, 409-416.	2.0	68
15	Energy neutral design of an IoT system for pollution monitoring. , 2017, , .		11
16	CleAir Monitoring System for Particulate Matter: A Case in the Napoleonic Museum in Rome. <i>Sensors</i> , 2017, 17, 2076.	2.1	2
17	Low-Cost Air Quality Monitoring Tools: From Research to Practice (A Workshop Summary). <i>Sensors</i> , 2017, 17, 2478.	2.1	144
18	Response Characterization of an Inexpensive Aerosol Sensor. <i>Sensors</i> , 2017, 17, 2915.	2.1	21

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20	Integrating Open-Source Technologies to Build a School Indoor Air Quality Monitoring Box (SKOMOBO). , 2017, , .		10
21	Evaluation and environmental correction of ambient CO ₂ measurements from a low-cost NDIR sensor. Atmospheric Measurement Techniques, 2017, 10, 2383-2395.	1.2	72
22	Using a gradient boosting model to improve the performance of low-cost aerosol monitors in a dense, heterogeneous urban environment. Atmospheric Environment, 2018, 184, 9-16.	1.9	45
23	Rapid measurement of sub-micrometer aerosol size distribution using a fast integrated mobility spectrometer. Journal of Aerosol Science, 2018, 121, 12-20.	1.8	19
24	Design and optimization of a compact low-cost optical particle sizer. Journal of Aerosol Science, 2018, 119, 1-12.	1.8	23
25	Performance of low-cost monitors to assess household air pollution. Environmental Research, 2018, 163, 53-63.	3.7	34
26	Applications of low-cost sensing technologies for air quality monitoring and exposure assessment: How far have they gone?. Environment International, 2018, 116, 286-299.	4.8	477
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34	Calibration of Low-Cost Particle Sensors by Using Machine-Learning Method. , 2018, , .		14
35	Spatial-Temporal Analysis of PM2.5 and NO2 Concentrations Collected Using Low-Cost Sensors in Peñuelas, Puerto Rico. Sensors, 2018, 18, 4314.	2.1	5
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56	Demonstration of a Low-Cost Multi-Pollutant Network to Quantify Intra-Urban Spatial Variations in Air Pollutant Source Impacts and to Evaluate Environmental Justice. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2523.	1.2	39
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58	Self-reading femtogram microbalance for highly sensitive airborne nanoparticle detection. <i>Journal of Physics: Conference Series</i> , 2019, 1319, 012004.	0.3	1
59	Calibration of a low-cost PM2.5 monitor using a random forest model. <i>Environment International</i> , 2019, 133, 105161.	4.8	46
60	Vertically-stacked MEMS PM2.5 sensor for wearable applications. <i>Sensors and Actuators A: Physical</i> , 2019, 299, 111569.	2.0	26
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