

# J Wayne Miller

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11658745/publications.pdf>

Version: 2024-02-01

38  
papers

2,015  
citations

257101

24  
h-index

344852

36  
g-index

38  
all docs

38  
docs citations

38  
times ranked

2004  
citing authors

#	ARTICLE	IF	CITATIONS
1	Emission Rates of Particulate Matter and Elemental and Organic Carbon from In-Use Diesel Engines. Environmental Science & Technology, 2004, 38, 2544-2550.	4.6	235
2	In-use gaseous and particulate matter emissions from a modern ocean going container vessel. Atmospheric Environment, 2008, 42, 5504-5510.	1.9	225
3	Emission Measurements from a Crude Oil Tanker at Sea. Environmental Science & Technology, 2008, 42, 7098-7103.	4.6	175
4	Primary Particulate Matter from Ocean-Going Engines in the Southern California Air Basin. Environmental Science & Technology, 2009, 43, 5398-5402.	4.6	109
5	Investigation of NH <sub>3</sub> Emissions from New Technology Vehicles as a Function of Vehicle Operating Conditions. Environmental Science & Technology, 2003, 37, 4841-4847.	4.6	101
6	Development and Application of a Mobile Laboratory for Measuring Emissions from Diesel Engines. 1. Regulated Gaseous Emissions. Environmental Science & Technology, 2004, 38, 2182-2189.	4.6	97
7	On-Road Emission Rates of PAH and n-Alkane Compounds from Heavy-Duty Diesel Vehicles. Environmental Science & Technology, 2005, 39, 5276-5284.	4.6	82
8	Emissions from main propulsion engine on container ship at sea. Journal of Geophysical Research, 2010, 115, .	3.3	69
9	Characterization of chemical and particulate emissions from aircraft engines. Atmospheric Environment, 2008, 42, 4380-4392.	1.9	68
10	Evaluation and Comparison of Portable Emissions Measurement Systems and Federal Reference Methods for Emissions from a Back-Up Generator and a Diesel Truck Operated on a Chassis Dynamometer. Environmental Science & Technology, 2007, 41, 6199-6204.	4.6	67
11	Estimates of the emission rates of nitrous oxide from light-duty vehicles using different chassis dynamometer test cycles. Atmospheric Environment, 2004, 38, 6621-6629.	1.9	66
12	Regulated emissions from biodiesel fuels from on/off-road applications. Atmospheric Environment, 2007, 41, 5647-5658.	1.9	66
13	Development and Application of a Mobile Laboratory for Measuring Emissions from Diesel Engines. 2. Sampling for Toxics and Particulate Matter. Environmental Science & Technology, 2004, 38, 6809-6816.	4.6	60
14	Analysis of heavy-duty diesel truck activity and emissions data. Atmospheric Environment, 2006, 40, 2333-2344.	1.9	55
15	Real-Time Gaseous, PM and Ultrafine Particle Emissions from a Modern Marine Engine Operating on Biodiesel. Environmental Science & Technology, 2011, 45, 2286-2292.	4.6	40
16	Emissions from heavy-duty vehicles under actual on-road driving conditions. Atmospheric Environment, 2008, 42, 4812-4821.	1.9	39
17	Benefits of Two Mitigation Strategies for Container Vessels: Cleaner Engines and Cleaner Fuels. Environmental Science & Technology, 2012, 46, 5049-5056.	4.6	39
18	Emission rates of regulated pollutants from on-road heavy-duty diesel vehicles. Atmospheric Environment, 2006, 40, 147-153.	1.9	38

#	ARTICLE	IF	CITATIONS
19	Differences between emissions measured in urban driving and certification testing of heavy-duty diesel engines. <i>Atmospheric Environment</i> , 2017, 166, 276-285.	1.9	37
20	Emissions of regulated pollutants from in-use diesel back-up generators. <i>Atmospheric Environment</i> , 2006, 40, 4199-4209.	1.9	35
21	Reduction of Particulate Matter Emissions from Diesel Backup Generators Equipped with Four Different Exhaust Aftertreatment Devices. <i>Environmental Science &amp; Technology</i> , 2007, 41, 5070-5076.	4.6	35
22	Greenhouse Gas and Criteria Emission Benefits through Reduction of Vessel Speed at Sea. <i>Environmental Science &amp; Technology</i> , 2012, 46, 12600-12607.	4.6	30
23	Measuring in-use ship emissions with international and U.S. federal methods. <i>Journal of the Air and Waste Management Association</i> , 2013, 63, 284-291.	0.9	27
24	Comprehensive analysis of the air quality impacts of switching a marine vessel from diesel fuel to natural gas. <i>Environmental Pollution</i> , 2020, 266, 115404.	3.7	27
25	Real-world emissions of carbonyl compounds from in-use heavy-duty diesel trucks and diesel Back-Up Generators (BUGs). <i>Atmospheric Environment</i> , 2007, 41, 4535-4547.	1.9	25
26	Characterization and Reduction of In-Use CH <sub>4</sub> Emissions from a Dual Fuel Marine Engine Using Wavelength Modulation Spectroscopy. <i>Environmental Science &amp; Technology</i> , 2019, 53, 2892-2899.	4.6	23
27	Controlling emissions from an ocean-going container vessel with a wet scrubber system. <i>Fuel</i> , 2021, 304, 121323.	3.4	22
28	Regulated and Non-Regulated Emissions from In-Use Diesel-Electric Switching Locomotives. <i>Environmental Science &amp; Technology</i> , 2007, 41, 6074-6083.	4.6	20
29	Sources of variance in BC mass measurements from a small marine engine: Influence of the instruments, fuels and loads. <i>Atmospheric Environment</i> , 2018, 182, 128-137.	1.9	20
30	Sources of air pollutants from a Tier 2 ocean-going container vessel: Main engine, auxiliary engine, and auxiliary boiler. <i>Atmospheric Environment</i> , 2021, 245, 118023.	1.9	20
31	On-Road Evaluation of a PEMS for Measuring Gaseous In-Use Emissions from a Heavy-Duty Diesel Vehicle. <i>SAE International Journal of Commercial Vehicles</i> , 0, 1, 200-209.	0.4	19
32	Lower NO <sub>x</sub> but higher particle and black carbon emissions from renewable diesel compared to ultra low sulfur diesel in at-sea operations of a research vessel. <i>Aerosol Science and Technology</i> , 2017, 51, 123-134.	1.5	15
33	Effectiveness of Emission Control Technologies for Auxiliary Engines on Ocean-Going Vessels. <i>Journal of the Air and Waste Management Association</i> , 2011, 61, 14-21.	0.9	13
34	Generation and Characterization of Diesel Exhaust in a Facility for Controlled Human Exposures. <i>Journal of the Air and Waste Management Association</i> , 2008, 58, 829-837.	0.9	8
35	Emissions Correlation Between a Partial-Flow Diluter and The Full-Flow Constant Volume Sampler (CVS) for a Heavy-Duty Vehicle Under Steady-State Operation. , 2005, , .		3
36	Yard tractors: Their path to zero emissions. <i>Transportation Research, Part D: Transport and Environment</i> , 2021, 98, 102972.	3.2	3

#	ARTICLE	IF	CITATIONS
37	A Generalized Approach for Verifying the Emission Benefits of Off-Road Hybrid Mobile Sources. Emission Control Science and Technology, 2016, 2, 89-98.	0.8	1
38	Editorial. Science of the Total Environment, 2018, 642, 1439-1440.	3.9	1