

# Gary A Bishop

## List of Publications by Year in descending order

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69  
papers

3,059  
citations

126907

33  
h-index

168389

53  
g-index

69  
all docs

69  
docs citations

69  
times ranked

1881  
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-world automotive emissions—Summary of studies in the Fort McHenry and Tuscarora mountain tunnels. <i>Atmospheric Environment</i> , 1996, 30, 2233-2256.	4.1	280
2	A Decade of On-road Emissions Measurements. <i>Environmental Science &amp; Technology</i> , 2008, 42, 1651-1656.	10.0	207
3	Measuring the Emissions of Passing Cars. <i>Accounts of Chemical Research</i> , 1996, 29, 489-495.	15.6	125
4	Worldwide On-Road Vehicle Exhaust Emissions Study by Remote Sensing. <i>Environmental Science &amp; Technology</i> , 1995, 29, 2286-2294.	10.0	107
5	Emissions from lit-use Motor Vehicles in Los Angeles: A Pilot Study of Remote Sensing and the Inspection and Maintenance Program. <i>Journal of the Air and Waste Management Association</i> , 1990, 40, 1096-1105.	0.1	106
6	IR Long-Path Photometry: A Remote Sensing Tool for Automobile Emissions. <i>Analytical Chemistry</i> , 1989, 61, 671A-677A.	6.5	102
7	On-Road Vehicle Emissions: Regulations, Costs, and Benefits. <i>Science</i> , 1995, 268, 991-993.	12.6	102
8	Reactive Nitrogen Species Emission Trends in Three Light-/Medium-Duty United States Fleets. <i>Environmental Science &amp; Technology</i> , 2015, 49, 11234-11240.	10.0	98
9	Comparison of the MOVES2010a, MOBILE6.2, and EMFAC2007 mobile source emission models with on-road traffic tunnel and remote sensing measurements. <i>Journal of the Air and Waste Management Association</i> , 2012, 62, 1134-1149.	1.9	91
10	On-Road Emission Measurements of Reactive Nitrogen Compounds from Three California Cities. <i>Environmental Science &amp; Technology</i> , 2010, 44, 3616-3620.	10.0	87
11	The Effects of Altitude on Heavy-Duty Diesel Truck On-Road Emissions. <i>Environmental Science &amp; Technology</i> , 2001, 35, 1574-1578.	10.0	86
12	Generalized binding phenomena in an allosteric macromolecule. <i>Biophysical Chemistry</i> , 1985, 21, 1-14.	2.8	78
13	Oxygen binding constants for human hemoglobin tetramers. <i>Biochemistry</i> , 1987, 26, 3995-4002.	2.5	78
14	An on-road motor vehicle emissions inventory for Denver: an efficient alternative to modeling. <i>Atmospheric Environment</i> , 2002, 36, 5177-5184.	4.1	73
15	Spectroscopy Applied to On-Road Mobile Source Emissions. <i>Applied Spectroscopy</i> , 2006, 60, 135A-148A.	2.2	71
16	Heavy-Duty Truck Emissions in the South Coast Air Basin of California. <i>Environmental Science &amp; Technology</i> , 2013, 47, 9523-9529.	10.0	65
17	Motor Vehicle Emissions Variability. <i>Journal of the Air and Waste Management Association</i> , 1996, 46, 667-675.	1.9	64
18	Multispecies remote sensing measurements of vehicle emissions on Sherman Way in Van Nuys, California. <i>Journal of the Air and Waste Management Association</i> , 2012, 62, 1127-1133.	1.9	60

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19	On-road carbon monoxide emission measurement comparisons for the 1988-1989 Colorado oxy-fuels program. <i>Environmental Science &amp; Technology</i> , 1990, 24, 843-847.	10.0	57
20	Emission Changes Resulting from the San Pedro Bay, California Ports Truck Retirement Program. <i>Environmental Science &amp; Technology</i> , 2012, 46, 551-558.	10.0	53
21	Remote Sensing of In-Use Heavy-Duty Diesel Trucks. <i>Environmental Science &amp; Technology</i> , 2006, 40, 6938-6942.	10.0	52
22	On-Road Evaluation of an Automobile Emission Test Program. <i>Environmental Science &amp; Technology</i> , 1997, 31, 927-931.	10.0	51
23	Remote Sensing of Ammonia and Sulfur Dioxide from On-Road Light Duty Vehicles. <i>Environmental Science &amp; Technology</i> , 2006, 40, 7018-7022.	10.0	49
24	Automobile Emissions Are Statistically Gamma Distributed. <i>Environmental Science &amp; Technology</i> , 1994, 28, 1370-1374.	10.0	48
25	On-road Heavy-duty Vehicle Emissions Monitoring System. <i>Environmental Science &amp; Technology</i> , 2015, 49, 1639-1645.	10.0	48
26	IR long-path photometry: a remote sensing tool for automobile emissions. <i>Analytical Chemistry</i> , 1989, 61, 671A-677A.	6.5	47
27	Development of a High-Speed Ultraviolet Spectrometer for Remote Sensing of Mobile Source Nitric Oxide Emissions. <i>Journal of the Air and Waste Management Association</i> , 1999, 49, 1463-1468.	1.9	46
28	On-Road Remote Sensing of Vehicle Emissions in Mexico. <i>Environmental Science &amp; Technology</i> , 1997, 31, 3505-3510.	10.0	42
29	A hydrocarbon detector for the remote sensing of vehicle exhaust emissions. <i>Review of Scientific Instruments</i> , 1995, 66, 3024-3029.	1.3	39
30	High-Mileage Light-Duty Fleet Vehicle Emissions: Their Potentially Overlooked Importance. <i>Environmental Science &amp; Technology</i> , 2016, 50, 5405-5411.	10.0	39
31	The Story of Ever Diminishing Vehicle Tailpipe Emissions as Observed in the Chicago, Illinois Area. <i>Environmental Science &amp; Technology</i> , 2018, 52, 7587-7593.	10.0	38
32	Emissions Reductions as a Result of Automobile Improvement. <i>Environmental Science &amp; Technology</i> , 2003, 37, 5097-5101.	10.0	37
33	Nitrogen dioxide, sulfur dioxide, and ammonia detector for remote sensing of vehicle emissions. <i>Review of Scientific Instruments</i> , 2006, 77, 014101.	1.3	37
34	On-road hydrocarbon remote sensing in the Denver area. <i>Environmental Science &amp; Technology</i> , 1993, 27, 1885-1891.	10.0	31
35	Long-Term Fuel-Specific NO <sub>x</sub> and Particle Emission Trends for In-Use Heavy-Duty Vehicles in California. <i>Environmental Science &amp; Technology</i> , 2018, 52, 6070-6076.	10.0	30
36	On-Road Evaluation of Inspection/Maintenance Effectiveness. <i>Environmental Science &amp; Technology</i> , 1996, 30, 1445-1450.	10.0	29

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37	Enhancement of Remote Sensing for Mobile Source Nitric Oxide. Journal of the Air and Waste Management Association, 1996, 46, 25-29.	1.9	27
38	Method comparisons of vehicle emissions measurements in the fort mchenry and Tuscarora mountain tunnels. Atmospheric Environment, 1996, 30, 2307-2316.	4.1	26
39	Method for Commercial Aircraft Nitric Oxide Emission Measurements. Environmental Science & Technology, 1999, 33, 1542-1544.	10.0	26
40	Drive-by Motor Vehicle Emissions:â€™ Immediate Feedback in Reducing Air Pollution. Environmental Science & Technology, 2000, 34, 1110-1116.	10.0	25
41	Snowmobile Contributions to Mobile Source Emissions in Yellowstone National Park. Environmental Science & Technology, 2001, 35, 2874-2881.	10.0	24
42	The Recession of 2008 and Its Impact on Light-Duty Vehicle Emissions in Three Western United States Cities. Environmental Science & Technology, 2014, 48, 14822-14827.	10.0	24
43	Repair Avoidance and Evaluating Inspection and Maintenance Programs. Environmental Science & Technology, 1998, 32, 1544-1545.	10.0	23
44	A global inventory of carbon monoxide emissions from motor vehicles. Chemosphere, 1999, 1, 65-72.	1.2	23
45	A Cost-Effectiveness Study of Carbon Monoxide Emissions Reduction Utilizing Remote Sensing. Journal of the Air and Waste Management Association, 1993, 43, 978-988.	0.6	21
46	Repeat Fuel Specific Emission Measurements on Two California Heavy-Duty Truck Fleets. Environmental Science & Technology, 2017, 51, 4100-4107.	10.0	18
47	An In-Use Snowmobile Emission Survey in Yellowstone National Park. Environmental Science & Technology, 1999, 33, 3924-3926.	10.0	17
48	Examination of Haldane's first law for the partition of CO and O2 to hemoglobin A0. Biopolymers, 1982, 21, 1735-1747.	2.4	13
49	Evaluation of Heavy- and Medium-Duty On-Road Vehicle Emissions in Californiaâ€™s South Coast Air Basin. Environmental Science & Technology, 2018, 52, 13298-13305.	10.0	13
50	A differential scanning calorimeter for ice nucleation distribution studiesâ€™ Application to bacterial nucleators. Analytical Biochemistry, 1986, 154, 682-690.	2.4	12
51	The SAE Clean Snowmobile Challenge 2000 - Summary and Results. , 0, , .		12
52	Three decades of on-road mobile source emissions reductions in South Los Angeles. Journal of the Air and Waste Management Association, 2019, 69, 967-976.	1.9	12
53	Emissions of nitrogen dioxide from modern diesel vehicles. , 2008, , .		12
54	Enhancements of Remote Sensing for Vehicle Emissions in Tunnels. Journal of the Air and Waste Management Association, 1994, 44, 169-175.	0.6	10

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55	Comparison of auto emission measurement techniques. <i>Science of the Total Environment</i> , 1996, 189-190, 175-180.	8.0	10
56	The SAE Clean Snowmobile Challenge 2002 - Summary and Results. , 0, , .		9
57	Winter Motor-Vehicle Emissions in Yellowstone National Park. <i>Environmental Science &amp; Technology</i> , 2006, 40, 2505-2510.	10.0	9
58	Vehicle Exhaust Remote Sensing Device Method to Screen Vehicles for Evaporative Running Loss Emissions. <i>Environmental Science &amp; Technology</i> , 2020, 54, 14627-14634.	10.0	7
59	Portable Emission Measurements of Yellowstone Park Snowcoaches and Snowmobiles. <i>Journal of the Air and Waste Management Association</i> , 2009, 59, 936-942.	1.9	6
60	An analysis of real-world exhaust emission control deterioration in the California light-duty gasoline vehicle fleet. <i>Atmospheric Environment</i> , 2020, 220, 117107.	4.1	6
61	Method for Modeling Driving Cycles, Fuel Use, and Emissions for Over Snow Vehicles. <i>Environmental Science &amp; Technology</i> , 2014, 48, 8258-8265.	10.0	5
62	The carbon monoxide-oxygen partition coefficient of isolated alpha and beta chains from hemoglobin A <sub>0</sub> . <i>Biopolymers</i> , 1986, 25, 1381-1384.	2.4	4
63	Infrared Emission and Remote Sensing. <i>Journal of the Air and Waste Management Association</i> , 1992, 42, 695-697.	0.1	3
64	Does California's EMFAC2017 vehicle emissions model underpredict California light-duty gasoline vehicle NO <sub>x</sub> emissions?. <i>Journal of the Air and Waste Management Association</i> , 2021, 71, 597-606.	1.9	3
65	Utah Wintertime Measurements of Heavy-Duty Vehicle Nitrogen Oxide Emission Factors. <i>Environmental Science &amp; Technology</i> , 2022, 56, 1885-1893.	10.0	3
66	Diminishing Benefits of Federal Reformulated Gasoline (RFG) Compared to Conventional Gasoline (CG). <i>SAE International Journal of Fuels and Lubricants</i> , 0, 12, 5-28.	0.2	2
67	Gas solution microcalorimeter for determining heat binding curves. <i>Review of Scientific Instruments</i> , 1987, 58, 632-638.	1.3	1
68	Oxygenated Fuels, A Remote Sensing Evaluation. , 1989, , .		0
69	On-Road NO <sub>x</sub> Emissions Evaluation of the Repair Effectiveness for Recalled Volkswagen Group Light-Duty Diesel Vehicles in the United States. <i>Environmental Science &amp; Technology</i> , 2021, 55, 16581-16585.	10.0	0