

# 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	Utah Wintertime Measurements of Heavy-Duty Vehicle Nitrogen Oxide Emission Factors. <i>Environmental Science &amp; Technology</i> , 2022, 56, 1885-1893.	10.0	3
2	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
3	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
4	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
5	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
6	Three decades of on-road mobile source emissions reductions in South Los Angeles. <i>Journal of the Air and Waste Management Association</i> , 2019, 69, 967-976.	1.9	12
7	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
8	Evaluation of Heavy- and Medium-Duty On-Road Vehicle Emissions in California's South Coast Air Basin. <i>Environmental Science &amp; Technology</i> , 2018, 52, 13298-13305.	10.0	13
9	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
10	Repeat Fuel Specific Emission Measurements on Two California Heavy-Duty Truck Fleets. <i>Environmental Science &amp; Technology</i> , 2017, 51, 4100-4107.	10.0	18
11	High-Mileage Light-Duty Fleet Vehicle Emissions: Their Potentially Overlooked Importance. <i>Environmental Science &amp; Technology</i> , 2016, 50, 5405-5411.	10.0	39
12	On-road Heavy-duty Vehicle Emissions Monitoring System. <i>Environmental Science &amp; Technology</i> , 2015, 49, 1639-1645.	10.0	48
13	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
14	The Recession of 2008 and Its Impact on Light-Duty Vehicle Emissions in Three Western United States Cities. <i>Environmental Science &amp; Technology</i> , 2014, 48, 14822-14827.	10.0	24
15	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
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	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
18	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

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19	Comparison of the MOVES2010a, MOBILE6.2, and EMFAC2007 mobile source emission models with on-road traffic tunnel and remote sensing measurements. Journal of the Air and Waste Management Association, 2012, 62, 1134-1149.	1.9	91
20	On-Road Emission Measurements of Reactive Nitrogen Compounds from Three California Cities. Environmental Science & Technology, 2010, 44, 3616-3620.	10.0	87
21	Portable Emission Measurements of Yellowstone Park Snowcoaches and Snowmobiles. Journal of the Air and Waste Management Association, 2009, 59, 936-942.	1.9	6
22	A Decade of On-road Emissions Measurements. Environmental Science & Technology, 2008, 42, 1651-1656.	10.0	207
23	Emissions of nitrogen dioxide from modern diesel vehicles. , 2008, , .		12
24	Remote Sensing of In-Use Heavy-Duty Diesel Trucks. Environmental Science & Technology, 2006, 40, 6938-6942.	10.0	52
25	Nitrogen dioxide, sulfur dioxide, and ammonia detector for remote sensing of vehicle emissions. Review of Scientific Instruments, 2006, 77, 014101.	1.3	37
26	Remote Sensing of Ammonia and Sulfur Dioxide from On-Road Light Duty Vehicles. Environmental Science & Technology, 2006, 40, 7018-7022.	10.0	49
27	Winter Motor-Vehicle Emissions in Yellowstone National Park. Environmental Science & Technology, 2006, 40, 2505-2510.	10.0	9
28	Spectroscopy Applied to On-Road Mobile Source Emissions. Applied Spectroscopy, 2006, 60, 135A-148A.	2.2	71
29	Emissions Reductions as a Result of Automobile Improvement. Environmental Science & Technology, 2003, 37, 5097-5101.	10.0	37
30	An on-road motor vehicle emissions inventory for Denver: an efficient alternative to modeling. Atmospheric Environment, 2002, 36, 5177-5184.	4.1	73
31	The Effects of Altitude on Heavy-Duty Diesel Truck On-Road Emissions. Environmental Science & Technology, 2001, 35, 1574-1578.	10.0	86
32	Snowmobile Contributions to Mobile Source Emissions in Yellowstone National Park. Environmental Science & Technology, 2001, 35, 2874-2881.	10.0	24
33	Drive-by Motor Vehicle Emissions: Immediate Feedback in Reducing Air Pollution. Environmental Science & Technology, 2000, 34, 1110-1116.	10.0	25
34	A global inventory of carbon monoxide emissions from motor vehicles. Chemosphere, 1999, 1, 65-72.	1.2	23
35	An In-Use Snowmobile Emission Survey in Yellowstone National Park. Environmental Science & Technology, 1999, 33, 3924-3926.	10.0	17
36	Method for Commercial Aircraft Nitric Oxide Emission Measurements. Environmental Science & Technology, 1999, 33, 1542-1544.	10.0	26

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37	Development of a High-Speed Ultraviolet Spectrometer for Remote Sensing of Mobile Source Nitric Oxide Emissions. Journal of the Air and Waste Management Association, 1999, 49, 1463-1468.	1.9	46
38	Repair Avoidance and Evaluating Inspection and Maintenance Programs. Environmental Science & Technology, 1998, 32, 1544-1545.	10.0	23
39	On-Road Evaluation of an Automobile Emission Test Program. Environmental Science & Technology, 1997, 31, 927-931.	10.0	51
40	On-Road Remote Sensing of Vehicle Emissions in Mexico. Environmental Science & Technology, 1997, 31, 3505-3510.	10.0	42
41	Measuring the Emissions of Passing Cars. Accounts of Chemical Research, 1996, 29, 489-495.	15.6	125
42	On-Road Evaluation of Inspection/Maintenance Effectiveness. Environmental Science & Technology, 1996, 30, 1445-1450.	10.0	29
43	Comparison of auto emission measurement techniques. Science of the Total Environment, 1996, 189-190, 175-180.	8.0	10
44	Method comparisons of vehicle emissions measurements in the fort mchenry and Tuscarora mountain tunnels. Atmospheric Environment, 1996, 30, 2307-2316.	4.1	26
45	Real-world automotive emissionsâ€”Summary of studies in the Fort McHenry and Tuscarora mountain tunnels. Atmospheric Environment, 1996, 30, 2233-2256.	4.1	280
46	Enhancement of Remote Sensing for Mobile Source Nitric Oxide. Journal of the Air and Waste Management Association, 1996, 46, 25-29.	1.9	27
47	Motor Vehicle Emissions Variability. Journal of the Air and Waste Management Association, 1996, 46, 667-675.	1.9	64
48	A hydrocarbon detector for the remote sensing of vehicle exhaust emissions. Review of Scientific Instruments, 1995, 66, 3024-3029.	1.3	39
49	Worldwide On-Road Vehicle Exhaust Emissions Study by Remote Sensing. Environmental Science & Technology, 1995, 29, 2286-2294.	10.0	107
50	On-Road Vehicle Emissions: Regulations, Costs, and Benefits. Science, 1995, 268, 991-993.	12.6	102
51	Enhancements of Remote Sensing for Vehicle Emissions in Tunnels. Journal of the Air and Waste Management Association, 1994, 44, 169-175.	0.6	10
52	Automobile Emissions Are Statistically Gamma Distributed. Environmental Science & Technology, 1994, 28, 1370-1374.	10.0	48
53	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
54	On-road hydrocarbon remote sensing in the Denver area. Environmental Science & Technology, 1993, 27, 1885-1891.	10.0	31

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55	Infrared Emission and Remote Sensing. Journal of the Air and Waste Management Association, 1992, 42, 695-697.	0.1	3
56	On-road carbon monoxide emission measurement comparisons for the 1988-1989 Colorado oxy-fuels program. Environmental Science & Technology, 1990, 24, 843-847.	10.0	57
57	Emissions from lit-use Motor Vehicles in Los Angeles: A Pilot Study of Remote Sensing and the Inspection and Maintenance Program. Journal of the Air and Waste Management Association, 1990, 40, 1096-1105.	0.1	106
58	Oxygenated Fuels, A Remote Sensing Evaluation. , 1989, , .		0
59	IR Long-Path Photometry: A Remote Sensing Tool for Automobile Emissions. Analytical Chemistry, 1989, 61, 671A-677A.	6.5	102
60	IR long-path photometry: a remote sensing tool for automobile emissions. Analytical Chemistry, 1989, 61, 671A-677A.	6.5	47
61	Gasâ€solution microcalorimeter for determining heat binding curves. Review of Scientific Instruments, 1987, 58, 632-638.	1.3	1
62	Oxygen binding constants for human hemoglobin tetramers. Biochemistry, 1987, 26, 3995-4002.	2.5	78
63	A differential scanning calorimeter for ice nucleation distribution studiesâ€™ Application to bacterial nucleators. Analytical Biochemistry, 1986, 154, 682-690.	2.4	12
64	The carbon monoxide-oxygen partition coefficient of isolated alpha and beta chains from hemoglobin A0. Biopolymers, 1986, 25, 1381-1384.	2.4	4
65	Generalized binding phenomena in an allosteric macromolecule. Biophysical Chemistry, 1985, 21, 1-14.	2.8	78
66	Examination of Haldane's first law for the partition of CO and O2 to hemoglobin A0. Biopolymers, 1982, 21, 1735-1747.	2.4	13
67	The SAE Clean Snowmobile Challenge 2000 - Summary and Results. , 0, , .		12
68	The SAE Clean Snowmobile Challenge 2002 - Summary and Results. , 0, , .		9
69	Diminishing Benefits of Federal Reformulated Gasoline (RFG) Compared to Conventional Gasoline (CG). SAE International Journal of Fuels and Lubricants, 0, 12, 5-28.	0.2	2