

# Branka Miljevic

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9292108/publications.pdf>

Version: 2024-02-01

40  
papers

2,249  
citations

279487

23  
h-index

288905

40  
g-index

42  
all docs

42  
docs citations

42  
times ranked

3731  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of biomass burning: Emissions and impacts on air quality, health and climate in China. <i>Science of the Total Environment</i> , 2017, 579, 1000-1034.	3.9	815
2	Respiratory health effects of diesel particulate matter. <i>Respirology</i> , 2012, 17, 201-212.	1.3	247
3	Inorganic Salt Interference on CO <sub>2</sub> <sup>+</sup> in Aerodyne AMS and ACSM Organic Aerosol Composition Studies. <i>Environmental Science &amp; Technology</i> , 2016, 50, 10494-10503.	4.6	88
4	To Sonicate or Not to Sonicate PM Filters: Reactive Oxygen Species Generation Upon Ultrasonic Irradiation. <i>Aerosol Science and Technology</i> , 2014, 48, 1276-1284.	1.5	76
5	Influence of biodiesel fuel composition on the morphology and microstructure of particles emitted from diesel engines. <i>Carbon</i> , 2016, 104, 179-189.	5.4	74
6	Particle Emissions, Volatility, and Toxicity from an Ethanol Fumigated Compression Ignition Engine. <i>Environmental Science &amp; Technology</i> , 2010, 44, 229-235.	4.6	72
7	Oxidative Potential of Logwood and Pellet Burning Particles Assessed by a Novel Profluorescent Nitroxide Probe. <i>Environmental Science &amp; Technology</i> , 2010, 44, 6601-6607.	4.6	63
8	Time-Resolved Characterization of Primary Emissions from Residential Wood Combustion Appliances. <i>Environmental Science &amp; Technology</i> , 2012, 46, 11418-11425.	4.6	57
9	Physicochemical Characterization of Particulate Emissions from a Compression Ignition Engine: The Influence of Biodiesel Feedstock. <i>Environmental Science &amp; Technology</i> , 2011, 45, 10337-10343.	4.6	54
10	Influence of Oxygenated Organic Aerosols (OOAs) on the Oxidative Potential of Diesel and Biodiesel Particulate Matter. <i>Environmental Science &amp; Technology</i> , 2013, 47, 7655-7662.	4.6	54
11	Review-evaluating the molecular assays for measuring the oxidative potential of particulate matter. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2015, 21, 201-210.	0.4	52
12	The correlation between diesel soot chemical structure and reactivity. <i>Carbon</i> , 2020, 161, 736-749.	5.4	42
13	Dimethyl sulfide and other biogenic volatile organic compound emissions from branching coral and reef seawater: potential sources of secondary aerosol over the Great Barrier Reef. <i>Journal of Atmospheric Chemistry</i> , 2016, 73, 303-328.	1.4	40
14	Emissions of Selected Semivolatile Organic Chemicals from Forest and Savannah Fires. <i>Environmental Science &amp; Technology</i> , 2017, 51, 1293-1302.	4.6	35
15	Characterisation of the impact of open biomass burning on urban air quality in Brisbane, Australia. <i>Environment International</i> , 2016, 91, 230-242.	4.8	34
16	Restructuring of carbonaceous particles upon exposure to organic and water vapours. <i>Journal of Aerosol Science</i> , 2012, 47, 48-57.	1.8	33
17	Emission factors of trace gases and particles from tropical savanna fires in Australia. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 6059-6074.	1.2	32
18	Multivariate analysis of performance and emission parameters in a diesel engine using biodiesel and oxygenated additive. <i>Energy Conversion and Management</i> , 2019, 201, 112183.	4.4	32

#	ARTICLE	IF	CITATIONS
19	The Use of a Nitroxide Probe in DMSO to Capture Free Radicals in Particulate Pollution. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 5908-5912.	1.2	30
20	Critical Analysis of High Particle Number Emissions from Accelerating Compressed Natural Gas Buses. <i>Environmental Science &amp; Technology</i> , 2010, 44, 3724-3731.	4.6	29
21	Physicochemical Characterization of Particulate Emissions from a Compression Ignition Engine Employing Two Injection Technologies and Three Fuels. <i>Environmental Science &amp; Technology</i> , 2011, 45, 5498-5505.	4.6	25
22	Quantification of Particle-Bound Organic Radicals in Secondary Organic Aerosol. <i>Environmental Science &amp; Technology</i> , 2019, 53, 6729-6737.	4.6	25
23	Concentration and oxidative potential of on-road particle emissions and their relationship with traffic composition: Relevance to exposure assessment. <i>Atmospheric Environment</i> , 2012, 59, 533-539.	1.9	24
24	Biomass burning emissions in north Australia during the early dry season: an overview of the 2014 SAFIRED campaign. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 13681-13697.	1.9	24
25	Effect of sulphur and vanadium spiked fuels on particle characteristics and engine performance of auxiliary diesel engines. <i>Environmental Pollution</i> , 2018, 243, 1943-1951.	3.7	21
26	Performance and gaseous and particle emissions from a liquefied petroleum gas (LPG) fumigated compression ignition engine. <i>Fuel</i> , 2014, 133, 17-25.	3.4	20
27	Composition, size and cloud condensation nuclei activity of biomass burning aerosol from northern Australian savannah fires. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 3605-3617.	1.9	18
28	Observations on the Formation, Growth and Chemical Composition of Aerosols in an Urban Environment. <i>Environmental Science &amp; Technology</i> , 2014, 48, 6588-6596.	4.6	17
29	Biomass burning and biogenic aerosols in northern Australia during the SAFIRED campaign. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 3945-3961.	1.9	16
30	Marine productivity and synoptic meteorology drive summer-time variability in Southern Ocean aerosols. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 8047-8062.	1.9	14
31	Application of profluorescent nitroxides for measurements of oxidative capacity of combustion generated particles. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2012, 18, 653-659.	0.4	13
32	Engine performance and emissions of high nitrogen-containing fuels. <i>Fuel</i> , 2020, 264, 116805.	3.4	13
33	Characterisation of a Commercially Available Thermodenuder and Diffusion Drier for Ultrafine Particles Losses. <i>Aerosol and Air Quality Research</i> , 2015, 15, 357-363.	0.9	13
34	Application of Multicriteria Decision Making Methods to Compression Ignition Engine Efficiency and Gaseous, Particulate, and Greenhouse Gas Emissions. <i>Environmental Science &amp; Technology</i> , 2013, 47, 1904-1912.	4.6	11
35	Sea spray aerosol in the Great Barrier Reef and the presence of nonvolatile organics. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 7088-7099.	1.2	8
36	The contribution of coral-reef-derived dimethyl sulfide to aerosol burden over the Great Barrier Reef: a modelling study. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 2419-2445.	1.9	6

#	ARTICLE	IF	CITATIONS
37	Comprehensive aerosol and gas data set from the Sydney Particle Study. Earth System Science Data, 2019, 11, 1883-1903.	3.7	5
38	Determining the link between hygroscopicity and composition for semi-volatile aerosol species. Atmospheric Measurement Techniques, 2018, 11, 4361-4372.	1.2	4
39	Application of a Fluorescent Probe for the Online Measurement of PM-Bound Reactive Oxygen Species in Chamber and Ambient Studies. Sensors, 2019, 19, 4564.	2.1	3
40	Engine performance and emissions from fuels containing nitrogen and sulphur. Energy Conversion and Management: X, 2022, 14, 100179.	0.9	2