

# Svetlana Stevanovic

## List of Publications by Year in descending order

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64  
papers

2,091  
citations

257101

24  
h-index

253896

43  
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71  
all docs

71  
docs citations

71  
times ranked

2219  
citing authors

#	ARTICLE	IF	CITATIONS
1	An experimental investigation of diesel soot thermal-induced oxidation based on the chemical structure evolution. <i>Carbon</i> , 2022, 188, 246-253.	5.4	11
2	Gaseous and particulate emissions analysis using microalgae based dioctyl phthalate biofuel during cold, warm and hot engine operation. <i>Fuel</i> , 2022, 312, 122965.	3.4	5
3	Particulate number emissions during cold-start with diesel and biofuels: A special focus on particle size distribution. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 51, 101953.	1.7	2
4	Morphological and Nanostructural Characteristics of Diesel Exhaust Soot Particles at Different Engine Operating Conditions. <i>Lecture Notes in Mechanical Engineering</i> , 2022, , 409-417.	0.3	1
5	Multi-criteria prioritization of the renewable power plants in Australia using the fuzzy logic in decision-making method (FMCDM). <i>Clean Energy</i> , 2022, 6, 16-34.	1.5	10
6	Role of semi-volatile particulate matter in gas-particle partitioning leading to change in oxidative potential. <i>Environmental Pollution</i> , 2021, 270, 116061.	3.7	4
7	Cold-start NO <sub>x</sub> emissions: Diesel and waste lubricating oil as a fuel additive. <i>Fuel</i> , 2021, 286, 119430.	3.4	23
8	Soot particle morphology and nanostructure with oxygenated fuels: A comparative study into cold-start and hot-start operation. <i>Environmental Pollution</i> , 2021, 275, 116592.	3.7	21
9	Analysis of cold-start NO <sub>2</sub> and NO <sub>x</sub> emissions, and the NO <sub>2</sub> /NO <sub>x</sub> ratio in a diesel engine powered with different diesel-biodiesel blends. <i>Environmental Pollution</i> , 2021, 290, 118052.	3.7	32
10	The impact of chemical composition of oxygenated fuels on morphology and nanostructure of soot particles. <i>Fuel</i> , 2020, 259, 116167.	3.4	46
11	Comparison of light absorption and oxidative potential of biodiesel/diesel and chemicals/diesel blends soot particles. <i>Journal of Environmental Sciences</i> , 2020, 87, 184-193.	3.2	13
12	The effect of diesel fuel sulphur and vanadium on engine performance and emissions. <i>Fuel</i> , 2020, 261, 116437.	3.4	21
13	Comparison of fine particulate matter level, chemical content and oxidative potential derived from two dissimilar urban environments. <i>Science of the Total Environment</i> , 2020, 708, 135209.	3.9	11
14	Combustion Analysis of a Diesel Engine during Warm up at Different Coolant and Lubricating Oil Temperatures. <i>Energies</i> , 2020, 13, 3931.	1.6	15
15	The diurnal characteristics of PM-bound ROS and its influencing factors at urban ambient and roadside environments. <i>Atmospheric Research</i> , 2020, 244, 105039.	1.8	8
16	Assessing the Effect of Reactive Oxygen Species and Volatile Organic Compound Profiles Coming from Certain Types of Chinese Cooking on the Toxicity of Human Bronchial Epithelial Cells. <i>Environmental Science &amp; Technology</i> , 2020, 54, 8868-8877.	4.6	30
17	Emissions and performance with diesel and waste lubricating oil: A fundamental study into cold start operation with a special focus on particle number size distribution. <i>Energy Conversion and Management</i> , 2020, 209, 112604.	4.4	19
18	Engine Performance and Emissions Analysis in a Cold, Intermediate and Hot Start Diesel Engine. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3839.	1.3	17

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19	The correlation between diesel soot chemical structure and reactivity. <i>Carbon</i> , 2020, 161, 736-749.	5.4	42
20	Relationship between Atmospheric PM-Bound Reactive Oxygen Species, Their Half-Lives, and Regulated Pollutants: Investigation and Preliminary Model. <i>Environmental Science &amp; Technology</i> , 2020, 54, 4995-5002.	4.6	8
21	Structural characterisation of soot particles for cold-start and hot-start operation of a diesel engine. , 2020, , .		4
22	The cytotoxic, inflammatory and oxidative potential of coconut oil-substituted diesel emissions on bronchial epithelial cells at an air-liquid interface. <i>Environmental Science and Pollution Research</i> , 2019, 26, 27783-27791.	2.7	14
23	Effect of cold start on engine performance and emissions from diesel engines using IMO-Compliant distillate fuels. <i>Environmental Pollution</i> , 2019, 255, 113260.	3.7	15
24	Diurnal profiles of particle-bound ROS of PM <sub>2.5</sub> in urban environment of Hong Kong and their association with PM <sub>2.5</sub> , black carbon, ozone and PAHs. <i>Atmospheric Environment</i> , 2019, 219, 117023.	1.9	12
25	Application of a Fluorescent Probe for the Online Measurement of PM-Bound Reactive Oxygen Species in Chamber and Ambient Studies. <i>Sensors</i> , 2019, 19, 4564.	2.1	3
26	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
27	Effect of Oxygenated Functional Groups in Essential Oils on Diesel Engine Performance, Emissions, and Combustion Characteristics. <i>Energy &amp; Fuels</i> , 2019, 33, 9828-9834.	2.5	8
28	An instrument for the rapid quantification of PM-bound ROS: the Particle Into Nitroxide Quencher (PINQ). <i>Atmospheric Measurement Techniques</i> , 2019, 12, 2387-2401.	1.2	11
29	An Overview of the Influence of Biodiesel, Alcohols, and Various Oxygenated Additives on the Particulate Matter Emissions from Diesel Engines. <i>Energies</i> , 2019, 12, 1987.	1.6	47
30	Quantification of Particle-Bound Organic Radicals in Secondary Organic Aerosol. <i>Environmental Science &amp; Technology</i> , 2019, 53, 6729-6737.	4.6	25
31	Experimental Analysis of the Morphology and Nanostructure of Soot Particles for Butanol/Diesel Blends at Different Engine Operating Modes. <i>Energy &amp; Fuels</i> , 2019, 33, 5632-5646.	2.5	25
32	Influence of fuel-oxygen content on morphology and nanostructure of soot particles. <i>Combustion and Flame</i> , 2019, 205, 206-219.	2.8	67
33	An experimental study of the role of biodiesel on the performance of diesel particulate filters. <i>Fuel</i> , 2019, 247, 67-76.	3.4	34
34	Primary human bronchial epithelial cell responses to diesel and biodiesel emissions at an air-liquid interface. <i>Toxicology in Vitro</i> , 2019, 57, 67-75.	1.1	12
35	Measurements of Oxidative Potential of Particulate Matter at Belgrade Tunnel; Comparison of BPEAnit, DTT and DCFH Assays. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4906.	1.2	17
36	The effect of diesel emission exposure on primary human bronchial epithelial cells from a COPD cohort: N-acetylcysteine as a potential protective intervention. <i>Environmental Research</i> , 2019, 170, 194-202.	3.7	14

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37	Characterization particulate matter from several Chinese cooking dishes and implications in health effects. <i>Journal of Environmental Sciences</i> , 2018, 72, 98-106.	3.2	55
38	Characterizing pollutant emissions from mosquito repellents incenses and implications in risk assessment of human health. <i>Chemosphere</i> , 2018, 191, 962-970.	4.2	25
39	Investigating particles, VOCs, ROS produced from mosquito-repellent incense emissions and implications in SOA formation and human health. <i>Building and Environment</i> , 2018, 143, 645-651.	3.0	22
40	Emissions of particulate matter, carbon monoxide and nitrogen oxides from the residential burning of waste paper briquettes and other fuels. <i>Environmental Research</i> , 2018, 167, 536-543.	3.7	30
41	Primary human bronchial epithelial cell responses to diesel and novel biodiesel emissions. , 2018, , .		0
42	Role of Chinese cooking emissions on ambient air quality and human health. <i>Science of the Total Environment</i> , 2017, 589, 173-181.	3.9	155
43	Oxidative potential of gas phase combustion emissions - An underestimated and potentially harmful component of air pollution from combustion processes. <i>Atmospheric Environment</i> , 2017, 158, 227-235.	1.9	26
44	Assessing impacts of factors on carbonyl compounds emissions produced from several typical Chinese cooking. <i>Building and Environment</i> , 2017, 125, 348-355.	3.0	43
45	Particle exposure level and potential health risks of domestic Chinese cooking. <i>Building and Environment</i> , 2017, 123, 564-574.	3.0	60
46	On-road vehicle emissions and their control in China: A review and outlook. <i>Science of the Total Environment</i> , 2017, 574, 332-349.	3.9	424
47	The effect of diesel emission exposure on intracellular signaling pathways of primary human bronchial epithelial cells. , 2017, , .		0
48	Influence of oxygen content of the certain types of biodiesels on particulate oxidative potential. <i>Science of the Total Environment</i> , 2016, 545-546, 381-388.	3.9	44
49	N-acetyl cysteine (NAC) intervention attenuates the effects of diesel and biodiesel emission exposure on human bronchial epithelial cells, 16HBE, at air-liquid interface. , 2016, , .		2
50	Effect of atmospheric aging on volatility and reactive oxygen species of biodiesel exhaust nano-particles. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 9099-9108.	1.9	16
51	Insights into the growth of newly formed particles in a subtropical urban environment. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 13475-13485.	1.9	6
52	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
53	Particle emissions from microalgae biodiesel combustion and their relative oxidative potential. <i>Environmental Sciences: Processes and Impacts</i> , 2015, 17, 1601-1610.	1.7	36
54	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

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55	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
56	Influence of Fuel Molecular Structure on the Volatility and Oxidative Potential of Biodiesel Particulate Matter. <i>Environmental Science &amp; Technology</i> , 2014, 48, 12577-12585.	4.6	27
57	Particle emissions from biodiesels with different physical properties and chemical composition. <i>Fuel</i> , 2014, 134, 201-208.	3.4	85
58	Influence of Different Alternative Fuels on Particle Emission from a Turbocharged Common-Rail Diesel Engine. <i>Procedia Engineering</i> , 2013, 56, 381-386.	1.2	21
59	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
60	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
61	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
62	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
63	Engine Performance Characteristics for Biodiesels of Different Degrees of Saturation and Carbon Chain Lengths. <i>SAE International Journal of Fuels and Lubricants</i> , 0, 6, 188-198.	0.2	36
64	Characteristics of Particle Number and Particle Mass Emissions of a Diesel Engine during Cold-, Warm-, and Hot-Start Operation. , 0, , .		4