

# Niko Samec

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

424  
citations

933447

10  
h-index

940533

16  
g-index

17  
all docs

17  
docs citations

17  
times ranked

533  
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical and experimental study of water/oil emulsified fuel combustion in a diesel engine. <i>Fuel</i> , 2002, 81, 2035-2044.	6.4	134
2	Detection of nanomolar concentrations of copper(II) with a Tb-quinoline-2-one probe using luminescence quenching or luminescence decay time. <i>Analytica Chimica Acta</i> , 2009, 644, 53-60.	5.4	60
3	Sewage sludge gasification as an alternative energy storage model. <i>Energy Conversion and Management</i> , 2017, 149, 738-747.	9.2	40
4	Advanced modelling and testing of a 13 MW th waste wood-fired grate boiler with recycled flue gas. <i>Energy Conversion and Management</i> , 2016, 125, 230-241.	9.2	38
5	Spent potlining utilisation possibilities. <i>Waste Management and Research</i> , 2003, 21, 467-473.	3.9	29
6	Advanced CFD modelling of air and recycled flue gas staging in a waste wood-fired grate boiler for higher combustion efficiency and greater environmental benefits. <i>Journal of Environmental Management</i> , 2018, 218, 200-208.	7.8	28
7	Numerical optimization of a waste-to-energy plant's operating parameters using CFD. <i>Thermal Science</i> , 2011, 15, 1-16.	1.1	23
8	Utilization of bottom ash from the incineration of separated wastes as a cement substitute. <i>Waste Management and Research</i> , 2005, 23, 468-472.	3.9	16
9	CFD modelling of air staged combustion in a wood pellet boiler using the coupled modelling approach. <i>Thermal Science and Engineering Progress</i> , 2020, 20, 100715.	2.7	16
10	The impacts of different profiles of the grate inlet conditions on freeboard CFD in a waste wood-fired grate boiler. <i>Applied Energy</i> , 2020, 268, 115055.	10.1	16
11	Analysis of the Effect of the Swirl Flow Intensity on Combustion Characteristics in Liquid Fuel Powered Confined Swirling Flames. <i>Journal of Applied Fluid Mechanics</i> , 2016, 9, 2359-2367.	0.2	7
12	Numerical analysis of a non-steady state phenomenon during the ignition process in a condensing boiler. <i>Energy</i> , 2018, 158, 623-631.	8.8	6
13	The impact of secondary air boundary conditions on CFD results in small-scale wood pellet combustion. <i>Fuel</i> , 2022, 324, 124451.	6.4	4
14	Effect of thermal processing on the characteristics of incineration fly ash. <i>Journal of the Air and Waste Management Association</i> , 2012, 62, 500-508.	1.9	3
15	Combustion Simulation in the Secondary Chamber of a Pilot-Scale Incinerator. <i>Environmental Engineering Science</i> , 2007, 24, 905-916.	1.6	2
16	Numerical Simulations of Wind Induced Particle Contamination in Gypsum Landfill Surroundings. <i>Environmental Modeling and Assessment</i> , 2011, 16, 479-489.	2.2	2
17	Assessment of a simplified equilibrium model for waste gasification. <i>Thermal Science</i> , 2019, 23, 1473-1486.	1.1	0