Milan VujanoviÄ

List of Publications by Year
in descending order

57	2,086	172457	243625
papers	citations	29 h-index	44 g-index

57	57	57	1986
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of HCl on a sorption of mercury from flue gas evolved during incineration of hospital waste using entrained flow adsorbers. Waste Management, 2022, 140, 74-80.	7.4	2
2	A kinetic evaluation on NO2 formation in the post-flame region of pressurized oxy-combustion process. Thermal Science, 2021, 25, 2609-2620.	1.1	2
3	Numerical Investigations of Film Cooling and Particle Impact on the Blade Leading Edge. Energies, 2021, 14, 1102.	3.1	6
4	Decrease of high-carbon-ash landfilling by its Co-firing inside a cement calciner. Journal of Cleaner Production, 2021, 293, 126090.	9.3	10
5	Numerical modeling of spray secondary atomization with the Euler-Eulerian multi-fluid approach. Computers and Fluids, 2021, 222, 104919.	2.5	10
6	Coupling of Euler Eulerian and Euler Lagrangian Spray Methods with Chemistry Kinetics for Modeling of Reactive Flow and Pollutant Formation. , 2021, , .		4
7	Numerical assessment of radiative heat transfer impact on pollutant formation processes in a compression ignition engine. Journal of Cleaner Production, 2020, 275, 123087.	9.3	12
8	Numerical analysis of fuel injection configuration on nitrogen oxides formation in a jet engine combustion chamber. Energy Conversion and Management, 2020, 220, 112862.	9.2	22
9	Numerical modelling of sulfur dioxide absorption for spray scrubbing. Energy Conversion and Management, 2020, 217, 112762.	9.2	28
10	Assessment of radiative heat transfer impact on a temperature distribution inside a real industrial swirled furnace. Thermal Science, 2020, 24, 3663-3672.	1.1	6
11	Numerical analysis of sulfur dioxide absorption in water droplets. Open Physics, 2020, 18, 104-111.	1.7	3
12	Advanced visions and problem-solving strategies across energy water and environment systems. Thermal Science, 2020, 24, 3453-3464.	1.1	3
13	Nano-Scale Soot Particle Formation During the High-Temperature Pyrolysis of Waste Plastics in an Entrained Flow Reactor. Waste and Biomass Valorization, 2019, 10, 3857-3866.	3.4	6
14	Sustainable energy technologies and environmental impacts of energy systems. Applied Energy, 2019, 256, 113919.	10.1	19
15	Synergistic effect of biomass and polyurethane waste co-pyrolysis on soot formation at high temperatures. Journal of Environmental Management, 2019, 239, 306-315.	7.8	32
16	Experimental and kinetics study on SO3 catalytic formation by Fe2O3 in oxy-combustion. Journal of Environmental Management, 2019, 236, 420-427.	7.8	17
17	Experimental and numerical investigation of injection timing and rail pressure impact on combustion characteristics of a diesel engine. Energy Conversion and Management, 2019, 185, 730-739.	9.2	33
18	Synergistic effects during co-pyrolysis of biomass and plastic: Gas, tar, soot, char products and thermogravimetric study. Journal of the Energy Institute, 2019, 92, 108-117.	5.3	115

#	Article	IF	Citations
19	Numerical modelling of emissions of nitrogen oxides in solid fuel combustion. Journal of Environmental Management, 2018, 215, 177-184.	7.8	27
20	Integrated approach for sustainable development of energy, water and environment systems. Energy Conversion and Management, 2018, 159, 398-412.	9.2	43
21	A kinetic study on the catalysis of KCl, K2SO4, and K2CO3 during oxy-biomass combustion. Journal of Environmental Management, 2018, 218, 50-58.	7.8	39
22	Soot formation during polyurethane (PU) plastic pyrolysis: The effects of temperature and volatile residence time. Energy Conversion and Management, 2018, 164, 353-362.	9.2	35
23	Development of wet phase transition agglomerator for multi-pollutant synergistic removal. Applied Thermal Engineering, 2018, 130, 1208-1214.	6.0	20
24	Study of advanced engine operating strategies on a turbocharged diesel engine by using coupled numerical approaches. Energy Conversion and Management, 2018, 171, 1-11.	9.2	31
25	Low NO combustion and SCR flow field optimization in a low volatile coal fired boiler. Journal of Environmental Management, 2018, 220, 30-35.	7.8	40
26	Development and Validation of 3D-CFD Injection and Combustion Models for Dual Fuel Combustion in Diesel Ignited Large Gas Engines. Energies, 2018, 11, 643.	3.1	17
27	Modelling study on the effect of ash fusion characteristics on the biomass slagging behavior. Thermal Science, 2018, 22, 2113-2121.	1.1	4
28	A review of multiphase flow and deposition effects in film-cooled gas turbines. Thermal Science, 2018, 22, 1905-1921.	1.1	7
29	Numerical study on characteristics of combustion and pollutant formation in a reheating furnace. Thermal Science, 2018, 22, 2103-2112.	1.1	4
30	Effect of potassium-doping and oxygen concentration on soot oxidation in O 2 /CO 2 atmosphere: A kinetics study by thermogravimetric analysis. Energy Conversion and Management, 2017, 149, 686-697.	9.2	68
31	Analysis of slab heating characteristics in a reheating furnace. Energy Conversion and Management, 2017, 149, 928-936.	9.2	36
32	Improving the removal of particles and trace elements from coal-fired power plants by combining a wet phase transition agglomerator with wet electrostatic precipitator. Journal of Cleaner Production, 2017, 161, 1459-1465.	9.3	68
33	Numerical analysis of ammonia homogenization for selective catalytic reduction application. Journal of Environmental Management, 2017, 203, 1047-1061.	7.8	23
34	Two-phase flow simulation of mist film cooling with deposition for various boundary conditions. Numerical Heat Transfer; Part A: Applications, 2017, 71, 895-909.	2.1	14
35	Modelling pollutant emissions in diesel engines, influence of biofuel on pollutant formation. Journal of Environmental Management, 2017, 203, 1038-1046.	7.8	43
36	Modelling of spray and combustion processes by using the Eulerian multiphase approach and detailed chemical kinetics. Fuel, 2017, 191, 25-35.	6.4	34

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37	Numerical simulation of urea based selective non-catalytic reduction deNOx process for industrial applications. Energy Conversion and Management, 2016, 125, 59-69.	9.2	47
38	Modelling spray and combustion processes in diesel engine by using the coupled Eulerianâ€“Eulerian and Eulerianâ€“Lagrangian method. Energy Conversion and Management, 2016, 125, 15-25.	9.2	33
39	Synergetic effect of sewage sludge and biomass co-pyrolysis: A combined study in thermogravimetric analyzer and a fixed bed reactor. Energy Conversion and Management, 2016, 118, 399-405.	9.2	138
40	Reducing greenhouse gasses emissions by fostering the deployment of alternative raw materials and energy sources in the cleaner cement manufacturing process. Journal of Cleaner Production, 2016, 136, 119-132.	9.3	257
41	Sustainable development of energy, water and environment systems for future energy technologies and concepts. Energy Conversion and Management, 2016, 125, 1-14.	9.2	46
42	Effects of deposition height and width on film cooling. Numerical Heat Transfer; Part A: Applications, 2016, 70, 673-687.	2.1	16
43	The improved heat integration of cement production under limited process conditions: A case study for Croatia. Applied Thermal Engineering, 2016, 105, 839-848.	6.0	16
44	Numerical evaluation of different pulverized coal and solid recovered fuel co-firing modes inside a large-scale cement calciner. Applied Energy, 2016, 184, 1292-1305.	10.1	34
45	Environmental assessment of different cement manufacturing processes based on Emergy and Ecological Footprint analysis. Journal of Cleaner Production, 2016, 130, 213-221.	9.3	82
46	Numerical modelling of diesel spray using the Eulerian multiphase approach. Energy Conversion and Management, 2015, 104, 160-169.	9.2	49
47	Experimental and modeling study of the long cylindrical oily sludge drying process. Applied Thermal Engineering, 2015, 91, 354-362.	6.0	23
48	Numerical modeling of urea water based selective catalytic reduction for mitigation of NOx from transport sector. Journal of Cleaner Production, 2015, 88, 280-288.	9.3	32
49	Towards a more sustainable transport sector by numerically simulating fuel spray and pollutant formation in diesel engines. Journal of Cleaner Production, 2015, 88, 272-279.	9.3	57
50	Improving the sustainability of cement production by using numerical simulation of limestone thermal degradation and pulverized coal combustion in a cement calciner. Journal of Cleaner Production, 2015, 88, 262-271.	9.3	38
51	Numerical study of co-firing pulverized coal and biomass inside a cement calciner. Waste Management and Research, 2014, 32, 661-669.	3.9	45
52	Large eddy simulation of a two-phase reacting swirl flow inside a cement cyclone. Energy, 2014, 75, 89-96.	8.8	36
53	Numerical analysis of cement calciner fuel efficiency and pollutant emissions. Clean Technologies and Environmental Policy, 2013, 15, 489-499.	4.1	34
54	Reducing the CO2 emissions in Croatian cement industry. Applied Energy, 2013, 101, 41-48.	10.1	94

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55	The application of CFD modelling to support the reduction of CO 2 emissions in cement industry. Energy, 2012, 45, 464-473.	8.8	51
56	Numerical modelling of calcination reaction mechanism for cement production. Chemical Engineering Science, 2012, 69, 607-615.	3.8	57
57	Validation of reduced mechanisms for nitrogen chemistry in numerical simulation of a turbulent non-premixed flame. Reaction Kinetics and Catalysis Letters, 2009, 96, 125-138.	0.6	18