

# Stevan Dj J Nemoda

## List of Publications by Year in descending order

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42  
papers

272  
citations

933447

10  
h-index

940533

16  
g-index

42  
all docs

42  
docs citations

42  
times ranked

240  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental investigation on the kinetics of biomass combustion in vertical tube reactor. Journal of the Energy Institute, 2019, 92, 1077-1090.	5.3	9
2	Research in the fluidized bed combustion in the Laboratory for thermal engineering and energy - Part A: Achievements in targeted fundamental research. Thermal Science, 2019, 23, 1637-1653.	1.1	0
3	Research in the fluidized bed combustion in the Laboratory for thermal engineering and energy - Part B: Achievements in technology implementation. Thermal Science, 2019, 23, 1655-1667.	1.1	1
4	Modeling of transport processes in the cigarette principle combustion furnace. Thermal Science, 2019, 23, 1499-1510.	1.1	0
5	Application of analytical and CFD models of liquid fuels combustion in a fluidized bed. Thermal Science, 2019, 23, 1627-1636.	1.1	0
6	DETERMINATION OF THE WALL VARIABLES WITHIN THE ZONAL MODEL OF RADIATION INSIDE A PULVERIZED COAL-FIRED FURNACE. Facta Universitatis, Series: Mechanical Engineering, 2018, 16, 219.	4.6	1
7	Investigation of biomass gasification in an experimental reactor with a fluidized bed. Savremena Poljoprivredna Tehnika, 2018, 44, 21-28.	0.2	0
8	Qualitative and quantitative analysis of PAHs in biomass ash by LC/DAD. Savremena Poljoprivredna Tehnika, 2018, 44, 29-36.	0.2	0
9	The application of chemical kinetic models in numerical simulation of the process of non-catalytic reduction of NOX with amonia in biomass combustion products. Savremena Poljoprivredna Tehnika, 2018, 44, 37-44.	0.2	0
10	Two-dimensional mathematical model of liquid fuel combustion in bubbling fluidized bed applied for a fluidized furnace numerical simulation. Thermal Science, 2018, 22, 1121-1135.	1.1	0
11	Analysis of the influence of fuel characteristics and temperature conditions on the emission of harmful products of biomass combustion. Savremena Poljoprivredna Tehnika, 2018, 44, 11-20.	0.2	0
12	Analysis and selection of methodology for determination of the agricultural biomass combustion kinetics. Savremena Poljoprivredna Tehnika, 2017, 43, 131-140.	0.2	0
13	Possibility of non catalytic reduction of NOx by ammonia at baled biomass combustion in pushing furnace. Savremena Poljoprivredna Tehnika, 2017, 43, 101-110.	0.2	0
14	Modeling of the process in the experimental chamber for denitrification of biomass combustion products. Savremena Poljoprivredna Tehnika, 2017, 43, 111-120.	0.2	1
15	ProraÄun i dimenzionisanje vrtloÅ¾nih gorionika koriÅ¶enjem namenskog softvera. Procesna Tehnika, 2017, 30, 357.	0.3	0
16	2D CFD numerička simulacija fluidizacije komore sagorevanja bazirane na Euler-Euler granularnom modelu. Procesna Tehnika, 2017, 30, 277.	0.3	0
17	Determination of thermal conductivity of baled agricultural biomass. Renewable and Sustainable Energy Reviews, 2016, 58, 876-884.	16.4	3
18	The combustion of biomass - the impact of its types and combustion technologies on the emission of nitrogen oxide. Hemijska Industrija, 2016, 70, 287-298.	0.7	14

#	ARTICLE	IF	CITATIONS
19	Experimental and numerical study on combustion of baled biomass in cigar burners and effects of flue gas re-circulation. <i>Thermal Science</i> , 2016, 20, 151-165.	1.1	3
20	Analysis of prescribed limits of NOx emissions from biomass combustion in selected European countries and in Serbia. <i>Savremena Poljoprivredna Tehnika</i> , 2016, 42, 207-215.	0.2	2
21	Three phase Eulerian-granular model applied on numerical simulation of non-conventional liquid fuels combustion in a bubbling fluidized bed. <i>Thermal Science</i> , 2016, 20, 133-149.	1.1	2
22	Effects of types of fuels on thermo-physical properties of baled biomass. <i>Savremena Poljoprivredna Tehnika</i> , 2016, 42, 197-206.	0.2	0
23	Euler-Euler granular flow model of liquid fuels combustion in a fluidized reactor. <i>Journal of the Serbian Chemical Society</i> , 2015, 80, 377-389.	0.8	6
24	Influence of biomass furnace volume change on flue gases burn out process. <i>Renewable Energy</i> , 2015, 76, 1-6.	8.9	13
25	Results of combustion of different waste fuel in fluidized bad. <i>ReciklaÅ¾a I OdrÅ¾ivi Razvoj</i> , 2014, 7, 22-29.	0.5	0
26	Fluidized combustion chamber CFD simulation based on Euler-Euler granular flow model. <i>Termotehnika</i> , 2014, 40, 19-33.	0.0	0
27	Investigation of the cigar burner combustion system for baled biomass. <i>Biomass and Bioenergy</i> , 2013, 58, 10-19.	5.7	14
28	Prediction of Coal Primary Fragmentation and Char Particle Size Distribution in Fluidized Bed. <i>Energy &amp; Fuels</i> , 2013, 27, 5488-5494.	5.1	22
29	Numerical simulation of non-conventional liquid fuels feeding in a bubbling fluidized bed combustor. <i>Thermal Science</i> , 2013, 17, 1163-1179.	1.1	1
30	Combustion of low grade fractions of Lubnica coal in fluidized bed. <i>Thermal Science</i> , 2012, 16, 297-311.	1.1	5
31	Experimental determination thermo physical characteristics of balled biomass. <i>Energy</i> , 2012, 45, 350-357.	8.8	5
32	Furnace for biomass combustion â€“ Comparison of model with experimental data. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 4312-4317.	4.8	15
33	Experimental method for determining Forchheimer equation coefficients related to flow of air through the bales of soy straw. <i>International Journal of Heat and Mass Transfer</i> , 2011, 54, 4300-4306.	4.8	11
34	Numerical model of gaseous fuel jet injection into a fluidized furnace. <i>International Journal of Heat and Mass Transfer</i> , 2009, 52, 3427-3438.	4.8	7
35	Numerical simulation of the influence of stationary louver and coal particle size on distribution of pulverized coal to the feed ducts of a power plant burner. <i>Thermal Science</i> , 2009, 13, 79-90.	1.1	6
36	Mapping the potential for decentralized energy generation based on RES in Western Balkans. <i>Thermal Science</i> , 2007, 11, 7-26.	1.1	21

#	ARTICLE	IF	CITATIONS
37	Heat transfer analysis of a two-dimensional rectangular porous radiant burner. International Communications in Heat and Mass Transfer, 2006, 33, 467-474.	5.6	50
38	Experimental and numerical investigation of premixed acetylene flame. International Journal of Heat and Mass Transfer, 2006, 49, 4023-4032.	4.8	5
39	Experimental and numerical investigation of gaseous fuel combustion in swirl chamber. International Journal of Heat and Mass Transfer, 2005, 48, 4623-4632.	4.8	29
40	Numerical simulation of porous burners and hole plate surface burners. Thermal Science, 2004, 8, 3-18.	1.1	24
41	Modeling of bubble break-up in stirred tanks. Thermal Science, 2004, 8, 29-50.	1.1	2
42	The study of pressure variations at the bottom of a vibrating plate extraction column. Collection of Czechoslovak Chemical Communications, 1986, 51, 1016-1026.	1.0	0