Dipl-Ing Dejan CvetinoviÄ

List of Publications by Year
in descending order

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36 papers	204 citations	1040056 9 h-index	1125743 13 g-index
36 all docs	36 docs citations	36 times ranked	250 citing authors

#	Article	IF	Citations
1	An initial study on feasible treatment of Serbian lignite through utilization of low-rank coal upgrading technologies. Chemical Engineering Research and Design, 2014, 92, 2383-2395.	5.6	21
2	Mathematical modelling of swirl oxy-fuel burner flame characteristics. Energy Conversion and Management, 2019, 191, 193-207.	9.2	19
3	Improvement of existing coal fired thermal power plants performance by control systems modifications. Energy, 2013, 57, 55-65.	8.8	18
4	Lattice Monte Carlo simulation of single coal char particle combustion under oxyâ€“fuel conditions. Fuel, 2015, 151, 172-181.	6.4	18
5	Numerical investigation of pulverized coal jet flame characteristics under different oxy-fuel conditions. International Journal of Heat and Mass Transfer, 2013, 58, 654-662.	4.8	17
6	Experimental and numerical investigation of flame characteristics during swirl burner operation under conventional and oxy-fuel conditions. Thermal Science, 2017, 21, 1463-1477.	1.1	13
7	GHG (Greenhouse Gases) emission inventory and mitigation measures for public district heating plants in the Republic of Serbia. Energy, 2013, 57, 788-795.	8.8	12
8	Convective drying of particulate solids â€“ Packed vs. fluid bed operation. International Journal of Heat and Mass Transfer, 2013, 59, 66-74.	4.8	10
9	Evaluation of Kolubara lignite carbon emission characteristics. Thermal Science, 2012, 16, 805-816.	1.1	9
10	Wind power plant resilience. Thermal Science, 2010, 14, 533-540.	1.1	9
11	Sensitivity analysis of different kinetic factors for numerical modeling of Serbian lignite devolatilization process. International Journal of Heat and Mass Transfer, 2014, 72, 489-500.	4.8	8
12	Numerical modeling of disperse material evaporation in axisymmetric thermal plasma reactor. Thermal Science, 2003, 7, 63-99.	1.1	8
13	Improvement of environmental aspects of thermal power plant operation by advanced control concepts. Thermal Science, 2012, 16, 759-772.	1.1	7
14	Resilience of High Voltage Transmission System. Energy and Power Engineering, 2011, 03, 600-606.	0.8	5
15	Review of the research on the turbulence in the laboratory for thermal engineering and energy. Thermal Science, 2017, 21, 875-898.	1.1	5
16	Combined parametric modelling of biomass devolatilisation process. Renewable Energy, 2022, 193, 13-22.	8.9	4
17	Optimal plasma process routes for boron nitride (BN) powder production from boric acid (H3BO3). Ceramics International, 2000, 26, 165-170.	4.8	3
18	POSSIBILITY OF COMPOSITE SILICON NITRIDE + SILICON CARBIDE (Si3 N4SiC) POWDER PRODUCTION IN THERMAL PLASMA. High Temperature Material Processes, 2011, 15, 321-328.	0.6	3

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19	Numerical analysis of the flue gas-coal particles mixture flow in burner's distribution channels with regulation shutters at the TPP Nikola Tesla - A1 utility boiler. Thermal Science, 2010, 14, 505-520.	1.1	3
20	Pljevlja lignite carbon emission characteristics. Thermal Science, 2019, 23, 1523-1531.	1.1	3
21	Turbulent Two-Phase Flow Modeling of Air-Coal Mixture Channels with Single Blade Turbulators. AIP Conference Proceedings, 2007, , .	0.4	2
22	Catastrophe of Power Transmission System. Energy and Power Engineering, 2013, 05, 498-505.	0.8	2
23	Velocity measurements and flow structure visualizations of a self-sustained oscillating jet. Thermal Science, 2006, 10, 113-125.	1.1	1
24	Novel fragmentation model for pulverized coal particles gasification in low temperature air thermal plasma. Thermal Science, 2016, 20, 207-221.	1.1	1
25	Assessment results of fluid-structure interaction numerical simulation using fuzzy logic. Thermal Science, 2016, 20, 235-250.	1.1	1
26	Investigation of pressure pulsations in the furnace and flue gas tract of the pulverized coal combustion utility boiler. Thermal Science, 2010, 14, 261-270.	1.1	1
27	Determination of the specific carbon dioxide emission factor from thermal power plants Nikola Tesla A and B. Termotehnika, 2016, 42, 25-36.	0.0	1
28	Critical Parameters of Si Conversion into Si₃N₄ Nanophase Powder for Plasma Process. Materials Science Forum, 1998, 282-283, 57-64.	0.3	0
29	Mathematical Modeling of Combustion of Single Porous Pulverized Coal Particle Using Lattice Approach. Proceedings in Applied Mathematics and Mechanics, 2013, 13, 315-316.	0.2	0
30	Impingement Heat Transfer of Self-Oscillating Jet through Sudden-Step-Expansion Nozzle (Further) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.0	0
31	TURBULENT THREE DIMENSIONAL TWO-PHASE FLOW MODELLING OF AIR-COAL MIXTURE CHANNELS WITH MOVABLE SHUTTERS FOR REGULATION PULVERIZED COAL PARTICLES DISTRIBUTION. , 2008, , .		0
32	NUMERICAL ANALYSIS OF MOMENTUM, HEAT AND MASS TRANSFER BETWEEN A NITROGEN PLASMA JET AND B2O3 PARTICLES INJECTED IN AN AXISYMMETRIC REACTOR. High Temperature Material Processes, 2010, 14, 353-365.	0.6	0
33	Fuzzy logic expert system for calculating the parameters of coupled numerical analysis of the fluid and thin-walled structures interaction. Termotehnika, 2015, 41, 33-48.	0.0	0
34	Reduction of particulate matter emission from electrostatic precipitators of TPP 'Nikola Tesla B' after reconstruction and modernisation. Termotehnika, 2016, 42, 73-83.	0.0	0
35	Influence of fiberglass mesh on flammability of EPS used as insulation of buildings. Thermal Science, 2018, 22, 1025-1036.	1.1	0
36	Review of the investigations of pulverized coal combustion processes in large power plants in laboratory for thermal engineering and energy: Part B. Thermal Science, 2019, 23, 1611-1626.	1.1	0