# Srdjan V BeloÅ¡eviÄ

List of Publications by Year
in descending order

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|---|---|---|---|
| 50<br>papers | 640<br>citations | 623734<br>14<br>h-index | 610901<br>24<br>g-index |
| 50<br>all docs | 50<br>docs citations | 50<br>times ranked | 388<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Nucleate pool boiling heat transfer: Review of models and bubble dynamics parameters. Thermal Science, 2022, 26, 157-174. | 1.1 | 2 |
| 2 | Numerical investigation on H<sub>2</sub>S formation characteristics in air-staging combustion of a tangentially coal-fired boiler. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2022, 44, 1854-1863. | 2.3 | 3 |
| 3 | Numerical Investigation on Cofiring Characteristics of Biomass Syngas and Coal in a 660-MW Tower Boiler. Journal of Energy Engineering - ASCE, 2022, 148, . | 1.9 | 4 |
| 4 | Numerical study on combustion characteristics and heat flux distributions of 660â€MW ultraâ€supercritical doubleâ€reheat towerâ€type boiler. Asia-Pacific Journal of Chemical Engineering, 2021, 16, e2631. | 1.5 | 2 |
| 5 | Numerical study of co-firing lignite and agricultural biomass in utility boiler under variable operation conditions. International Journal of Heat and Mass Transfer, 2021, 181, 121728. | 4.8 | 21 |
| 6 | New application method of the zonal model for simulations of pulverized coal-fired furnaces based on correction of total exchange areas. International Journal of Heat and Mass Transfer, 2020, 149, 119192. | 4.8 | 4 |
| 7 | Mathematical modelling and optimisation of lignite and wheat straw co-combustion in 350 MWe boiler furnace. Applied Energy, 2020, 260, 114206. | 10.1 | 21 |
| 8 | Prediction of calcination and sulphation along the sorbent particle trajectories for desulphurisation in coal-fired furnace. International Journal of Global Warming, 2020, 22, 459. | 0.5 | 0 |
| 9 | Full-scale CFD investigation of gas-particle flow, interactions and combustion in tangentially fired pulverized coal furnace. Energy, 2019, 179, 1036-1053. | 8.8 | 27 |
| 10 | Numerical modeling of in-furnace sulfur removal by sorbent injection during pulverized lignite combustion. International Journal of Heat and Mass Transfer, 2019, 128, 98-114. | 4.8 | 4 |
| 11 | Predicting effects of air staging application on existing coal-fired power steam boiler. Applied Thermal Engineering, 2019, 149, 665-677. | 6.0 | 15 |
| 12 | Air staging application effects on overall steam boiler operation. Thermal Science, 2019, 23, 1559-1574. | 1.1 | 1 |
| 13 | Review of the investigations of pulverized coal combustion processes in large power plants in laboratory for thermal engineering and energy: Part A. Thermal Science, 2019, 23, 1587-1609. | 1.1 | 2 |
| 14 | 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 |
| 15 | Development of mathematical model for co-firing pulverized coal and biomass in experimental furnace. Thermal Science, 2018, 22, 709-719. | 1.1 | 8 |
| 16 | Calcium based sorbent calcination and sintering reaction models overview. Hemijska Industrija, 2018, 72, 329-339. | 0.7 | 0 |
| 17 | Weighted sum of gray gases model optimization for numerical investigations of processes inside pulverized coal-fired furnaces. Journal of Thermal Science, 2017, 26, 552-559. | 1.9 | 4 |
| 18 | Specific aspects of turbulent flow in rectangular ducts. Thermal Science, 2017, 21, 663-678. | 1.1 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Numerical tracking of sorbent particles and distribution during gas desulfurization in pulverized coal-fired furnace. Thermal Science, 2017, 21, 759-769. | 1.1 | 2 |
| 20 | Modeling of pulverized coal combustion for in-furnace NOx reduction and flame control. Thermal Science, 2017, 21, 597-615. | 1.1 | 4 |
| 21 | Numerical study of pulverized coal-fired utility boiler over a wide range of operating conditions for in-furnace SO2/NOx reduction. Applied Thermal Engineering, 2016, 94, 657-669. | 6.0 | 43 |
| 22 | Influence of the gray gases number in the weighted sum of gray gases model on the radiative heat exchange calculation inside pulverized coal-fired furnaces. Thermal Science, 2016, 20, 197-206. | 1.1 | 1 |
| 23 | Modeling and optimization of processes for clean and efficient pulverized coal combustion in utility boilers. Thermal Science, 2016, 20, 183-196. | 1.1 | 4 |
| 24 | Derivation of transport equations for three-dimensional non-isothermal turbulent flow in cylindrical coordinates. Termotehnika, 2016, 42, 1-24. | 0.0 | 0 |
| 25 | Assessing the impact of primary measures for NOx reduction on the thermal power plant steam boiler. Applied Thermal Engineering, 2015, 78, 397-409. | 6.0 | 19 |
| 26 | Modeling of calcium-based sorbent reactions with sulfur dioxide. Journal of the Serbian Chemical Society, 2015, 80, 549-562. | 0.8 | 4 |
| 27 | Numerical prediction of processes for clean and efficient combustion of pulverized coal in power plants. Applied Thermal Engineering, 2015, 74, 102-110. | 6.0 | 57 |
| 28 | Radiative heat exchange inside the pulverized lignite fired furnace for the gray radiative properties with thermal equilibrium between phases. International Journal of Thermal Sciences, 2014, 85, 21-28. | 4.9 | 12 |
| 29 | Evaluation and limitations of standard wall functions in channel and step flow configurations. Journal of the Serbian Society for Computational Mechanics, 2014, 8, 1-22. | 0.4 | 0 |
| 30 | Possibilities for reconstruction of existing steam boilers for the purpose of using exhaust gases from 14ÂMW or 17ÂMW gas turbine. Applied Thermal Engineering, 2013, 56, 83-90. | 6.0 | 6 |
| 31 | Numerical investigation of processes in the lignite-fired furnace when simple gray gas and weighted sum of gray gases models are used. International Journal of Heat and Mass Transfer, 2013, 56, 197-205. | 4.8 | 26 |
| 32 | Influence of application of Hottelâ€™s zonal model and six-flux model of thermal radiation on numerical simulations results of pulverized coal fired furnace. Thermal Science, 2012, 16, 271-282. | 1.1 | 6 |
| 33 | Numerical Analysis of NO<sub>x</sub> Control by Combustion Modifications in Pulverized Coal Utility Boiler. Energy & Fuels, 2012, 26, 425-442. | 5.1 | 40 |
| 34 | Influence of forward scattering on prediction of temperature and radiation fields inside the pulverized coal furnace. Energy, 2012, 45, 160-168. | 8.8 | 11 |
| 35 | Modeling Approaches to Predict Biomass Co-firing with Pulverized Coal. The Open Thermodynamics Journal, 2010, 4, 50-70. | 0.6 | 6 |
| 36 | Numerical model of gaseous fuel jet injection into a fluidized furnace. International Journal of Heat and Mass Transfer, 2009, 52, 3427-3438. | 4.8 | 7 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 37 | Numerical Prediction of Pulverized Coal Flame in Utility Boiler Furnaces. Energy & Fuels, 2009, 23, 5401-5412. | 5.1 | 25 |
| 38 | A computer code for the prediction of mill gases and hot air distribution between burnersâ€™ sections at the utility boiler. Applied Thermal Engineering, 2008, 28, 2178-2186. | 6.0 | 8 |
| 39 | A numerical study of pulverized coal ignition by means of plasma torches in airâ€“coal dust mixture ducts of utility boiler furnaces. International Journal of Heat and Mass Transfer, 2008, 51, 1970-1978. | 4.8 | 33 |
| 40 | A numerical study of a utility boiler tangentially-fired furnace under different operating conditions. Fuel, 2008, 87, 3331-3338. | 6.4 | 53 |
| 41 | Properties and efficiency of a Pt/Al2O3 catalyst applied in a solid fuel thermo-accumulating furnace. Journal of the Serbian Chemical Society, 2007, 72, 869-878. | 0.8 | 0 |
| 42 | Computational fluid dynamics technique as a tool for description of the phenomena occurring in pulverized coal combustion systems. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2007, 221, 399-409. | 1.4 | 7 |
| 43 | Simulation of free turbulent particle-laden jet using Reynolds-stress gas turbulence model. Applied Mathematical Modelling, 2007, 31, 1001-1014. | 4.2 | 18 |
| 44 | Effects of air excess control in a heat storage solid fuel-fired household furnace. Applied Thermal Engineering, 2007, 27, 2243-2251. | 6.0 | 3 |
| 45 | Mapping the potential for decentralized energy generation based on RES in Western Balkans. Thermal Science, 2007, 11, 7-26. | 1.1 | 21 |
| 46 | Three-dimensional modeling of utility boiler pulverized coal tangentially fired furnace. International Journal of Heat and Mass Transfer, 2006, 49, 3371-3378. | 4.8 | 86 |
| 47 | Reduction of carbon monoxide emission from a solid-fuel thermo-accumulation furnace. Thermal Science, 2006, 10, 107-119. | 1.1 | 0 |
| 48 | Experimental and numerical investigation of heat exchanger built in solid fuel household furnace of an original concept. Energy and Buildings, 2005, 37, 325-331. | 6.7 | 8 |
| 49 | Modeling of pulverized coal combustion stabilization by means of plasma torches. Thermal Science, 2005, 9, 57-72. | 1.1 | 3 |
| 50 | Turbulence Modelling of Swirling Flow in a Long Straight Circular Pipe. , 2004, , . | | 0 |