

Ivan D TomanoviÄ

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

279
citations

1163117

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888059

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24
docs citations

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times ranked

195
citing authors

#	ARTICLE	IF	CITATIONS
1	Nucleate pool boiling heat transfer: Review of models and bubble dynamics parameters. <i>Thermal Science</i> , 2022, 26, 157-174.	1.1	2
2	Numerical investigation on H ₂ S formation characteristics in air-staging combustion of a tangentially coal-fired boiler. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2022, 44, 1854-1863.	2.3	3
3	Effects of flue gas recirculation on combustion and heat flux distribution in 660 MW double-reheat tower-type boiler. <i>Fuel</i> , 2022, 321, 123988.	6.4	15
4	Numerical Investigation on Cofiring Characteristics of Biomass Syngas and Coal in a 660-MW Tower Boiler. <i>Journal of Energy Engineering - ASCE</i> , 2022, 148, .	1.9	4
5	Numerical study on combustion characteristics and heat flux distributions of 660 MW ultra-supercritical double-reheat tower-type boiler. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2021, 16, e2631.	1.5	2
6	Numerical study of co-firing lignite and agricultural biomass in utility boiler under variable operation conditions. <i>International Journal of Heat and Mass Transfer</i> , 2021, 181, 121728.	4.8	21
7	New application method of the zonal model for simulations of pulverized coal-fired furnaces based on correction of total exchange areas. <i>International Journal of Heat and Mass Transfer</i> , 2020, 149, 119192.	4.8	4
8	Mathematical modelling and optimisation of lignite and wheat straw co-combustion in 350 MWe boiler furnace. <i>Applied Energy</i> , 2020, 260, 114206.	10.1	21
9	Full-scale CFD investigation of gas-particle flow, interactions and combustion in tangentially fired pulverized coal furnace. <i>Energy</i> , 2019, 179, 1036-1053.	8.8	27
10	Numerical modeling of in-furnace sulfur removal by sorbent injection during pulverized lignite combustion. <i>International Journal of Heat and Mass Transfer</i> , 2019, 128, 98-114.	4.8	4
11	DETERMINATION OF THE WALL VARIABLES WITHIN THE ZONAL MODEL OF RADIATION INSIDE A PULVERIZED COAL-FIRED FURNACE. <i>Facta Universitatis, Series: Mechanical Engineering</i> , 2018, 16, 219.	4.6	1
12	Development of mathematical model for co-firing pulverized coal and biomass in experimental furnace. <i>Thermal Science</i> , 2018, 22, 709-719.	1.1	8
13	Calcium based sorbent calcination and sintering reaction models overview. <i>Hemijaska Industrija</i> , 2018, 72, 329-339.	0.7	0
14	Weighted sum of gray gases model optimization for numerical investigations of processes inside pulverized coal-fired furnaces. <i>Journal of Thermal Science</i> , 2017, 26, 552-559.	1.9	4
15	Specific aspects of turbulent flow in rectangular ducts. <i>Thermal Science</i> , 2017, 21, 663-678.	1.1	8
16	Numerical tracking of sorbent particles and distribution during gas desulfurization in pulverized coal-fired furnace. <i>Thermal Science</i> , 2017, 21, 759-769.	1.1	2
17	Modeling of pulverized coal combustion for in-furnace NO _x reduction and flame control. <i>Thermal Science</i> , 2017, 21, 597-615.	1.1	4
18	Numerical study of pulverized coal-fired utility boiler over a wide range of operating conditions for in-furnace SO ₂ /NO _x reduction. <i>Applied Thermal Engineering</i> , 2016, 94, 657-669.	6.0	43

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19	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. <i>Thermal Science</i> , 2016, 20, 197-206.	1.1	1
20	Modeling and optimization of processes for clean and efficient pulverized coal combustion in utility boilers. <i>Thermal Science</i> , 2016, 20, 183-196.	1.1	4
21	Derivation of transport equations for three-dimensional non-isothermal turbulent flow in cylindrical coordinates. <i>Termotehnika</i> , 2016, 42, 1-24.	0.0	0
22	Modeling of calcium-based sorbent reactions with sulfur dioxide. <i>Journal of the Serbian Chemical Society</i> , 2015, 80, 549-562.	0.8	4
23	Numerical prediction of processes for clean and efficient combustion of pulverized coal in power plants. <i>Applied Thermal Engineering</i> , 2015, 74, 102-110.	6.0	57
24	Numerical Analysis of NO _x Control by Combustion Modifications in Pulverized Coal Utility Boiler. <i>Energy & Fuels</i> , 2012, 26, 425-442.	5.1	40