Shah Rukh Jamil

List of Publications by Year
in descending order

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92 papers	1,337 citations	430442 18 h-index	395343 33 g-index
92 all docs	92 docs citations	92 times ranked	1050 citing authors

#	Article	IF	Citations
1	Study on Passive Control of the Self-excited Thermoacoustic Oscillations Occurring in Combustion Systems. Combustion Science and Technology, 2023, 195, 184-211.	1.2	1
2	Thermogravimetric investigation on co-combustion characteristics and kinetics of antibiotic filter residue and vegetal biomass. Journal of Thermal Analysis and Calorimetry, 2022, 147, 925-938.	2.0	3
3	Effect of ash composition on adsorption and agglomeration characteristics in lowâ€low‐temperature electrostatic precipitator systems. Canadian Journal of Chemical Engineering, 2022, 100, 966-978.	0.9	0
4	Evaluation and optimization of preparation for semi-coke briquette with alkali-heat treated wheat straw binder. International Journal of Coal Preparation and Utilization, 2022, 42, 2332-2344.	1.2	2
5	Numerical Study on the Homogeneous Reactions of Mercury in a 600 MW Coal-Fired Utility Boiler. Energies, 2022, 15, 446.	1.6	0
6	Numerical investigation on heat and mass transfer of slit finned tube heat exchanger with humid flue gas. Asia-Pacific Journal of Chemical Engineering, 2022, 17, .	0.8	1
7	Numerical investigation on H₂S 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.	1.2	3
8	Numerical Investigation on Cofiring Characteristics of Biomass Syngas and Coal in a 660-MW Tower Boiler. Journal of Energy Engineering - ASCE, 2022, 148, .	1.0	4
9	Effect of temperature on corrosion behaviour of 15CrMo steel in saline (Na₂siO₃) steam/water. Corrosion Engineering Science and Technology, 2022, 57, 442-454.	0.7	1
10	Investigation of Pyrolysis and Mild Oxidation Characteristics of Tar-Rich Coal via Thermogravimetric Experiments. ACS Omega, 2022, 7, 25613-25624.	1.6	4
11	Simultaneous removal of SO2 and NO with OH from the catalytic decomposition of H2O2 over Fe-Mo mixed oxides. Journal of Hazardous Materials, 2021, 404, 123936.	6.5	24
12	Oxyâ€fuel coâ€combustion performances and kinetics of bituminous coal and ultraâ€low volatile carbonâ€based fuels. International Journal of Energy Research, 2021, 45, 1892-1907.	2.2	10
13	The competitive behavior for O2 and CO2 reaction during char oxy-fuel combustion: effects of temperature and inherent minerals. Journal of Thermal Analysis and Calorimetry, 2021, 143, 327-334.	2.0	3
14	Deactivation Influence of HF on the V₂O₅â€“WO₃â€“TiO₂ SCR Catalyst. Energy & Fuels, 2021, 35, 4377-4386.	2.5	7
15	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.	0.8	2
16	Effects of ash compositions in Zhundong coal on its ash fusion behavior and crystal phase transformation. Asia-Pacific Journal of Chemical Engineering, 2021, 16, e2639.	0.8	4
17	Experimental and Numerical Study on Co-combustion Behaviors and NOx Emission Characteristics of Semi-coke and Coal in a Tangentially Fired Utility Boiler. Journal of Thermal Science, 2021, 30, 1116-1131.	0.9	2
18	Experimental Study on Coal-Nitrogen Release and NO_x Evolution in Oxygen-Enriched and Deep-Staging Combustion. Energy & Fuels, 2021, 35, 12288-12296.	2.5	2

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19	Numerical simulation of a novel regenerative heat exchanger with combined sensibleâ€“latent heat storage matrix. Numerical Heat Transfer; Part A: Applications, 2021, 80, 579-596.	1.2	1
20	Research and Application of Double-Reheat Boiler in China. Processes, 2021, 9, 2197.	1.3	5
21	Effects of Magnetic Field and Inclination on Natural Convection in a Cavity Filled with Nanofluids by a Double Multiple-Relaxation-Time Thermal Lattice Boltzmann Method. Heat Transfer Engineering, 2020, 41, 252-270.	1.2	8
22	Effects of minerals containing sodium, calcium, and iron on oxy-fuel combustion reactivity and kinetics of Zhundong coal via synthetic coal. Journal of Thermal Analysis and Calorimetry, 2020, 139, 261-271.	2.0	14
23	Investigation on a new lignite predrying power generation system combined with a front air heater. Drying Technology, 2020, 38, 1584-1596.	1.7	5
24	Study on the formation process of lowâ€temperature ash deposition induced by ammonium bisulfate in pulverized coalâ€fired boiler. Asia-Pacific Journal of Chemical Engineering, 2020, 15, e2389.	0.8	7
25	Effects of Lignite Predrying Degree on the Combustion and NO Generation in a 600-MW Lignite-Fired Boiler. Journal of Energy Engineering - ASCE, 2020, 146, .	1.0	7
26	Investigation on Co-Gasification Characteristics of Semicoke and Bituminous Coal in a CO₂ Atmosphere at High Temperatures. Energy & Fuels, 2020, 34, 16132-16146.	2.5	11
27	NOx Emissions and Nitrogen Fate at High Temperatures in Staged Combustion. Energies, 2020, 13, 3557.	1.6	9
28	Experimental Study on Coal Gasification in a Full-Scale Two-Stage Entrained-Flow Gasifier. Energies, 2020, 13, 4937.	1.6	5
29	Elemental Mercury Removal over CeO2/TiO2 Catalyst Prepared by Solâ€“Gel Method. Applied Sciences (Switzerland), 2020, 10, 2706.	1.3	4
30	Thermodynamic Analysis and Case Study of a New Lignite-Fired Power Plant Using Solar Energy as Drying Heat Source. Journal of Energy Engineering - ASCE, 2020, 146, .	1.0	3
31	A study on benzene release during water washing of biomass. Asia-Pacific Journal of Chemical Engineering, 2020, 15, e2536.	0.8	4
32	Experimental and Numerical Investigations on the Local Direct Leakage Process of Rotary Regenerative Air Preheater. Applied Sciences (Switzerland), 2020, 10, 1523.	1.3	7
33	Experimental Investigation on NO_x Generation Characteristic and Burnout Performance of Co-Combustion of Carbon-Based Solid Fuels under Deep-Staged Combustion. Energy & Fuels, 2020, 34, 2334-2345.	2.5	14
34	Development and technical progress in large-scale circulating fluidized bed boiler in China. Frontiers in Energy, 2020, 14, 699-714.	1.2	22
35	Technoâ€economic analysis of a novel hybrid heat pump system to recover waste heat and condensate from the lowâ€temperature boiler exhaust gas. International Journal of Energy Research, 2020, 44, 3821-3838.	2.2	11
36	Computational fluid dynamics investigation on the effect of co-firing semi-coke and bituminous coal in a 300â€‰MW tangentially fired boiler. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2019, 233, 221-231.	0.8	14

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37	Adsorption and Agglomeration Characteristics of Fly Ash Particles in Lowâ€“Low-Temperature Flue Gas Treatment Systems. Energy & Fuels, 2019, 33, 6302-6312.	2.5	3
38	Experiments and Simulation on Co-Combustion of Semicoke and Coal in a Full-Scale Tangentially Fired Utility Boiler. Energy & Fuels, 2019, 33, 3012-3027.	2.5	43
39	Experimental Study on Morphology and Chemical Composition of Ash Deposition during Oxy-fuel Combustion of High-Alkali Coal. Energy & Fuels, 2019, 33, 3403-3420.	2.5	21
40	Thermodynamic and economic analysis on a two-stage predrying lignite-fueled power plant. Drying Technology, 2019, 37, 26-37.	1.7	11
41	Utilization of combustible waste gas as a supplementary fuel in coal-fired boilers. International Journal of Energy Research, 2018, 42, 1677-1692.	2.2	8
42	A New System of Absorption Heat Pump Vs. Boiler for Recovering Heat and Water Vapor in Flue Gas. Energy Procedia, 2018, 152, 1266-1271.	1.8	12
43	Combustion and heat transfer characteristics of co-firing biomass and coal under oxy-fuel condition. International Journal of Energy Research, 2018, 42, 4170-4183.	2.2	14
44	Investigation on elemental mercury removal and antideactivation performance of modified ‹scp›SCR‹/scp› catalysts. Asia-Pacific Journal of Chemical Engineering, 2018, 13, e2208.	0.8	3
45	Effects of silicoaluminate oxide and coal blending on combustion behaviors and kinetics of zhundong coal under oxy-fuel condition. Journal of Thermal Analysis and Calorimetry, 2018, 134, 1975-1986.	2.0	21
46	Numerical simulation on the slag flow and heat transfer characteristics of the cyclone barrel for a cyclone-fired boiler. Numerical Heat Transfer; Part A: Applications, 2017, 71, 1052-1065.	1.2	8
47	A study on air-cooling waste heat recovery from molten slag of slag-tap boilers. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2017, 231, 371-381.	0.8	0
48	Thermal removal of COD and NH‹sub›3‹/sub›ï£¿N from Lurgi coalâ€gasification wastewater. Environmental Progress and Sustainable Energy, 2017, 36, 1333-1341.	1.3	4
49	TG analysis and kinetic study of organic constituents in wastewater from coalâ€gasification process. Asia-Pacific Journal of Chemical Engineering, 2017, 12, 406-414.	0.8	2
50	Effect of ashing temperature on physical-chemical features of high-sodium ashes of Zhundong coals. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2017, 39, 747-753.	1.2	5
51	Numerical investigation on heat transfer characteristics of high-pressure syngas in the membrane helical-coil cooler of a 2,000â€‰t/d gasifier. Numerical Heat Transfer; Part A: Applications, 2017, 72, 708-720.	1.2	0
52	Energy analysis of a lignite predrying power generation system with an efficient waste heat recovery system. Drying Technology, 2017, 35, 1492-1505.	1.7	13
53	Pyridine and pyrrole oxidation under oxy-fuel conditions. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 975-981.	1.2	13
54	Influence of sodium on deactivation and regeneration of SCR catalyst during utilization of Zhundong coals. Asia-Pacific Journal of Chemical Engineering, 2016, 11, 973-980.	0.8	9

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55	Numerical investigation on conjugate heat transfer to supercritical CO2in membrane helical coiled tube heat exchangers. Numerical Heat Transfer; Part A: Applications, 2016, 69, 977-995.	1.2	12
56	Diffusional effects on differences of coal char reactivity between air and oxy-fuel combustion in thermogravimetric experiments. Journal of Thermal Analysis and Calorimetry, 2016, 125, 897-904.	2.0	9
57	Effect of Volatile-Char Interaction on Nitrogen Oxide Emission during Combustion of Blended Coal. Journal of Energy Engineering - ASCE, 2016, 142, .	1.0	7
58	Numerical investigation on conjugate cooling heat transfer to supercritical CO₂in vertical double-pipe heat exchangers. Numerical Heat Transfer; Part A: Applications, 2016, 69, 512-528.	1.2	10
59	Numerical investigation on heat transfer of supercritical water in a roughened tube. Numerical Heat Transfer; Part A: Applications, 2016, 69, 558-573.	1.2	7
60	Numerical Investigation of the Thermohydraulic Performance of Double-Wave Cross-Corrugated Passages. Numerical Heat Transfer; Part A: Applications, 2015, 67, 1029-1052.	1.2	3
61	Numerical Investigation of Conjugate Heat Transfer to Supercritical CO₂in a Vertical Tube-in-Tube Heat Exchanger. Numerical Heat Transfer; Part A: Applications, 2015, 67, 857-882.	1.2	22
62	Combustion and Pollutant Emission Characteristics of Lignite Dried by Low Temperature Air. Drying Technology, 2015, 33, 616-631.	1.7	35
63	Effect of Two-Level Over-Fire Air on the Combustion and NO_xEmission Characteristics in a 600ÂMW Wall-Fired Boiler. Numerical Heat Transfer; Part A: Applications, 2015, 68, 993-1009.	1.2	22
64	A Numerical Study of High Moisture Flue Gas in Tube Banks. Numerical Heat Transfer; Part A: Applications, 2014, 65, 357-377.	1.2	6
65	Numerical Simulation of Turbulent Flow and Wall Mass Transfer in a Rectangular Channel Roughened by V-Shaped Grooves. Numerical Heat Transfer; Part A: Applications, 2014, 66, 551-581.	1.2	5
66	Lattice Boltzmann Simulation of Natural Convection in an Inclined Square Cavity with Spatial Temperature Variation. Numerical Heat Transfer; Part A: Applications, 2014, 66, 712-732.	1.2	13
67	Numerical study on heat transfer and resistance characteristics of supercritical water inside internally-ribbed tube. Heat and Mass Transfer, 2014, 50, 559-572.	1.2	16
68	Moisture Readsorption Performance of Air-Dried and Hydrothermally Dewatered Lignite. Energy & Fuels, 2014, 28, 5023-5030.	2.5	43
69	Influence of the gas and liquid superficial velocity on slug frequency. AIP Conference Proceedings, 2013, , .	0.3	6
70	Effects of Air Staging Conditions on the Combustion and NO_x Emission Characteristics in a 600 MW Wall Fired Utility Boiler Using Lean Coal. Energy & Fuels, 2013, 27, 5831-5840.	2.5	101
71	Energy Analysis of Low-Rank Coal Pre-Drying Power Generation Systems. Drying Technology, 2013, 31, 1194-1205.	1.7	40
72	Influence of Tube Arrangement on the Thermal Hydraulic Performance of a Membrane Helical-Coil Heat Exchanger. Numerical Heat Transfer; Part A: Applications, 2012, 62, 565-588.	1.2	10

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73	Theoretical and Experimental Study on Spontaneous Ignition of Lignite during the Drying Process in a Packed Bed. Energy & Fuels, 2012, 26, 6876-6887.	2.5	9
74	Experimental study on near wall transport characteristics of slug flow in a vertical pipe. Heat and Mass Transfer, 2012, 48, 1193-1205.	1.2	6
75	Effects of two-dimensional V-shaped grooves on turbulent channel flow. Experiments in Fluids, 2012, 52, 315-328.	1.1	5
76	Experimental study on interaction and kinetic characteristics during combustion of blended coals. Journal of Thermal Analysis and Calorimetry, 2012, 107, 935-942.	2.0	23
77	Homogeneous Combustion of Fuel Ultra-Lean Methaneâ€“Air Mixtures: Experimental Study and Simplified Reaction Mechanism. Energy & Fuels, 2011, 25, 3437-3445.	2.5	17
78	A Study on Coal Properties and Combustion Characteristics of Blended Coals in Northwestern China. Energy & Fuels, 2011, 25, 3634-3645.	2.5	124
79	Turbulence Models for Fluid Flow and Heat Transfer Between Cross-Corrugated Plates. Numerical Heat Transfer; Part A: Applications, 2011, 60, 410-440.	1.2	47
80	Influence of Corrugation Profile on the Thermalhydraulic Performance of Cross-Corrugated Plates. Numerical Heat Transfer; Part A: Applications, 2011, 59, 267-296.	1.2	83
81	Catalytic Combustion of Ventilation Air Methane in a Reverse-Flow Reactor. Energy & Fuels, 2010, 24, 4841-4848.	2.5	18
82	Thermodynamic analysis of an LNG fuelled combined cycle power plant with waste heat recovery and utilization system. International Journal of Energy Research, 2007, 31, 975-998.	2.2	47
83	Effect of vapor condensation on forced convection heat transfer of moistened gas. Heat and Mass Transfer, 2007, 43, 677-686.	1.2	41
84	An investigation on near wall transport characteristics in an adiabatic upward gasâ€“liquid two-phase slug flow. Heat and Mass Transfer, 2007, 43, 1019-1036.	1.2	13
85	Evaluation of retrofitting a conventional natural gas fired boiler into a condensing boiler. Energy Conversion and Management, 2004, 45, 3251-3266.	4.4	117
86	B206 Experimental Study on Convection-Condensation Heat Transfer Characteristics of High Moisture Flue Gases. The Proceedings of the International Conference on Power Engineering (ICOPE), 2003, 2003.2, _2-119_-_2-123_.	0.0	0
87	Effect of coal particle size on gasification performance of twoâ€stage entrainedâ€flow coal gasifier. Canadian Journal of Chemical Engineering, 0, , .	0.9	2
88	Study on the performance assessment of a novel hybrid heat pump system modified with dedicated mechanical sub-cooler for domestic heating applications. Journal of Thermal Analysis and Calorimetry, 0, , 1.	2.0	1
89	The role and impact of costing method in the decisionâ€making of energy project: A comparative assessment between levelized cost of energy and benefitâ€toâ€cost ratio analysis. International Journal of Energy Research, 0, , .	2.2	1
90	A study on corrosion mechanism of 15CrMo in saline (Na ₂ SO ₄) steam at high temperature. Materials and Corrosion - Werkstoffe Und Korrosion, 0, , .	0.8	1

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91	Thermogravimetric study on oxy-fuel co-combustion characteristics of semi-coke and antibiotic filter residue. Journal of Thermal Analysis and Calorimetry, 0, , 1.	2.0	1
92	A Comparative Study on Corrosion Behaviors of 15CrMo in Saline (Na2SO4) Gas Phase and Liquid Phase at 350Â°C. Jom, 0, , 1.	0.9	0