Abdul Raouf Tajik

List of Publications by Year
in descending order

18	158	1307594 7	1199594 12
papers	citations	h-index	g-index

18	18	18	76
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of preheated mixture on heat transfer characteristics of impinging methaneâ€“air premixed flame jet. International Journal of Heat and Mass Transfer, 2015, 86, 550-562.	4.8	24
2	Effect of base blowing by a large-scale fluidic oscillator on the bistable wake behind a flat-back Ahmed body. Physics of Fluids, 2022, 34, .	4.0	21
3	The effects of flue-wall design modifications on combustion and flow characteristics of an aluminum anode baking furnace-CFD modeling. Applied Energy, 2018, 230, 207-219.	10.1	17
4	A numerical investigation on heat transfer and emissions characteristics of impinging radial jet reattachment combustion (RJRC) flame. Applied Thermal Engineering, 2015, 89, 534-544.	6.0	14
5	Heat transfer distribution of impinging flame and air jets â€“ A comparative study. Applied Thermal Engineering, 2016, 92, 42-49.	6.0	14
6	Sensitivity of a fluidic oscillator to modifications of feedback channel and mixing chamber geometry. Experiments in Fluids, 2021, 62, 1.	2.4	13
7	On the impact of geometry scaling and mass flow rate on the frequency of a sweeping jet actuator. FME Transactions, 2019, 47, 599-607.	1.4	11
8	Axis switching in impinging premixed methane-air flame jets. Applied Thermal Engineering, 2016, 107, 144-153.	6.0	8
9	Two Dimensional CFD Simulations of a Flue-wall in the Anode Baking Furnace for Aluminum Production. Energy Procedia, 2017, 105, 5134-5139.	1.8	8
10	3D Multiphysics model of the effect of flue-wall deformation on the anode baking homogeneity in horizontal flue carbon furnace. Energy Procedia, 2017, 142, 3982-3989.	1.8	7
11	The Impact of Critical Operational Parameters on the Performance of the Aluminum Anode Baking Furnace. Journal of Energy Resources Technology, Transactions of the ASME, 2021, 143, .	2.3	7
12	Investigating the flue-wall deformation effects on performance characteristics of an open-top aluminum anode baking furnace. Applied Energy, 2018, 231, 1033-1049.	10.1	5
13	Multi-objective Optimization of Aluminum Anode Baking Process Employing a Response Surface Methodology. Energy Procedia, 2019, 158, 5541-5550.	1.8	4
14	Numerical Investigation of Turbulent Diffusion Flame in the Aluminum Anode Baking Furnace Employing Presumed PDF. Energy Procedia, 2017, 142, 4157-4162.	1.8	3
15	Computational Modeling of the Effect of Flue-Wall Deformation on the Carbon Anode Quality for Aluminum Production. , 2017, , .		2
16	CFD Modelling of NOx and Soot Formation in Aluminum Anode Baking Furnace. , 2018, , .		0
17	Optimizing Pulse Combustion Parameters in Carbon Anode Baking Furnaces for Aluminum Production. , 2019, , .		0
18	Investigating Effects of Different Flue-Wall Deformation Modes on the Performance of Anode Baking Furnaces for Aluminum Electrolysis. , 2019, , .		0