ZdzisÅ‚aw Jaworski

List of Publications by Year
in descending order

36 papers	415 citations	840776 11 h-index	794594 19 g-index
36 all docs	36 docs citations	36 times ranked	444 citing authors

#	Article	IF	Citations
1	Carbomer microgels as model yield-stress fluids. Reviews in Chemical Engineering, 2022, 38, 881-919.	4.4	27
2	Comparative PIV and LDA studies of Newtonian and non-Newtonian flows in an agitated tank. Chemical Papers, 2018, 72, 593-602.	2.2	11
3	Influence of rheological properties of stirred liquids on the axial and tangential forces in a vessel with a PMT impeller. Chemical Engineering Research and Design, 2018, 138, 398-404.	5.6	3
4	A Comparative Thermodynamic Study of Equilibrium Conditions for Carbon Deposition from Catalytic Câ€“Hâ€“O Reformates. Energies, 2018, 11, 1177.	3.1	7
5	A new model of cavern diameter based on a validated CFD study on stirring of a highly shear-thinning fluid. Chemical Papers, 2017, 71, 1255-1269.	2.2	8
6	CFD modelling of hydrogen starvation conditions in a planar Solid Oxide Fuel Cell. Polish Journal of Chemical Technology, 2017, 19, 16-25.	0.5	8
7	On nanotube carbon deposition at equilibrium in catalytic partial oxidation of selected hydrocarbon fuels. International Journal of Hydrogen Energy, 2017, 42, 16920-16931.	7.1	5
8	3D CFD fluid flow and thermal analyses of a new design of plate heat exchanger. Polish Journal of Chemical Technology, 2017, 19, 17-26.	0.5	3
9	On thermodynamic equilibrium of carbon deposition from gaseous C-H-O mixtures: updating for nanotubes. Reviews in Chemical Engineering, 2017, 33, .	4.4	42
10	Numerical investigation of a novel burner to combust anode exhaust gases of SOFC stacks. Polish Journal of Chemical Technology, 2017, 19, 20-26.	0.5	12
11	Computational Fluid Dynamics calculation of a planar solid oxide fuel cell design running on syngas. Chemical and Process Engineering - Inzynieria Chemiczna I Procesowa, 2017, 38, 513-521.	0.7	4
12	On the Deposition Equilibrium of Carbon Nanotubes or Graphite in the Reforming Processes of Lower Hydrocarbon Fuels. Entropy, 2017, 19, 650.	2.2	2
13	A Numerical Investigation of the Thermal Stresses of a Planar Solid Oxide Fuel Cell. Materials, 2016, 9, 814.	2.9	27
14	Simulation of the steady-state behaviour of a new design of a single planar Solid Oxide Fuel Cell. Polish Journal of Chemical Technology, 2016, 18, 64-71.	0.5	6
15	Model development of integrated CPOx reformer and SOFC stack system. Polish Journal of Chemical Technology, 2016, 18, 41-46.	0.5	8
16	Numerical analysis of thermal stresses in a new design of microtubular stack. Open Chemistry, 2015, 13, .	1.9	1
17	Modeling of thermal stresses in a microtubular Solid Oxide Fuel Cell stack. Journal of Power Sources, 2015, 300, 10-23.	7.8	13
18	Cfd Analysis of Heat Transfer in a Microtubular Solid Oxide Fuel Cell Stack. Chemical and Process Engineering - Inzynieria Chemiczna I Procesowa, 2014, 35, 293-304.	0.7	5

#	Article	IF	Citations
19	Quantification of the Radiative and Convective Heat Transfer Processes and their Effect on mSOFC by CFD Modelling. Polish Journal of Chemical Technology, 2014, 16, 51-55.	0.5	12
20	An Algebraic Description of the Absorption Equilibrium for the Solvay Soda System. Journal of Chemical & Engineering Data, 2014, 59, 2901-2908.	1.9	0
21	Multiscale Modeling of Solid Oxide Fuel Cell Systems. Chemie-Ingenieur-Technik, 2014, 86, 1029-1043.	0.8	3
22	Liquid-solid equilibrium for the NaCl-NaHCO3-Na2CO3-H2O system at 45Â°C. Validation of mixed solvent electrolyte model. Chemical Papers, 2013, 67, .	2.2	3
23	Investigation of turbulent flow field in a Kenics static mixer by Laser Doppler Anemometry. Chemical Papers, 2013, 67, .	2.2	4
24	A comparative study of thermodynamic electrolyte models applied to the Solvay soda system. Chemical and Process Engineering - Inzynieria Chemiczna I Procesowa, 2011, 32, 135-154.	0.7	12
25	Towards multiscale modelling in product engineering. Computers and Chemical Engineering, 2011, 35, 434-445.	3.8	23
26	LES and URANS modelling of turbulent liquid-liquid flow in a static mixer: Turbulent kinetic energy and turbulence dissipation rate. Chemical Papers, 2010, 64, .	2.2	5
27	Prediction of liquid-liquid flow in an SMX static mixer using large eddy simulations. Chemical Papers, 2010, 64, .	2.2	3
28	CFD modelling of two-phase liquid-liquid flow in a SMX static mixer. Polish Journal of Chemical Technology, 2009, 11, 41-49.	0.5	15
29	Transient CFD simulations of turbulent liquid - liquid flow in a Kenics static mixer. Radial and tangential velocities. Polish Journal of Chemical Technology, 2009, 11, 36-40.	0.5	4
30	CFD SIMULATIONS OF THE TURBULENT LIQUID-LIQUID FLOW IN A KENICS STATIC MIXER. Multiphase Science and Technology, 2009, 21, 37-50.	0.5	2
31	Fluctuations of the non-Newtonian fluid flow in a Kenics static mixer: An experimental study. Polish Journal of Chemical Technology, 2008, 10, 35-37.	0.5	7
32	CFD modelling of continuous precipitation of barium sulphate in a stirred tank. Chemical Engineering Journal, 2003, 91, 167-174.	12.7	60
33	CFD Determination of Macro-Scale Concentration Distribution in Stirred Tank.. Journal of Chemical Engineering of Japan, 2001, 34, 715-723.	0.6	2
34	A study of an upâ€•and a downâ€pumping wide blade hydrofoil impeller: Part I. LDA measurements. Canadian Journal of Chemical Engineering, 1998, 76, 577-588.	1.7	30
35	A study of an upâ€•and a downâ€pumping wideâ€blade hydrofoil impeller: Part II. CFD analysis. Canadian Journal of Chemical Engineering, 1998, 76, 866-876.	1.7	15
36	CFD modelling of turbulent macromixing in stirred tanks. Effect of the probe size and number on mixing indices. Computers and Chemical Engineering, 1998, 22, S293-S298.	3.8	23