Franco Grisafi

List of Publications by Year
in descending order

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36 papers	1,886 citations	304743 22 h-index	345221 36 g-index
38 all docs	38 docs citations	38 times ranked	1041 citing authors

#	Article	IF	Citations
1	Autochthonous microalgae grown in municipal wastewaters as a tool for effectively removing nitrogen and phosphorous. Journal of Water Process Engineering, 2020, 38, 101647.	5.6	36
2	Combined effect of nutrient and flashing light frequency for a biochemical composition shift in Nannochloropsis gaditana grown in a quasiâ€isoactinic reactor. Canadian Journal of Chemical Engineering, 2020, 98, 1944-1954.	1.7	8
3	Scale-up and viscosity effects on gasâ€“liquid mass transfer rates in unbaffled stirred tanks. Chemical Engineering Research and Design, 2018, 132, 584-592.	5.6	8
4	Characterization of pressure retarded osmosis lab-scale systems. Desalination and Water Treatment, 2016, 57, 22994-23006.	1.0	12
5	Free surface oxygen transfer in large aspect ratio unbaffled bio-reactors, with or without draft-tube. Biochemical Engineering Journal, 2015, 100, 16-22.	3.6	13
6	Bubble Formation at Variously Inclined Nozzles. Chemical Engineering and Technology, 2014, 37, 1507-1514.	1.5	13
7	Mass transfer and hydrodynamic characteristics of unbaffled stirred bio-reactors: Influence of impeller design. Biochemical Engineering Journal, 2014, 82, 41-47.	3.6	52
8	Solidâ€“Liquid Suspensions in Top-Covered Unbaffled Vessels: Influence of Particle Size, Liquid Viscosity, Impeller Size, and Clearance. Industrial & Engineering Chemistry Research, 2014, 53, 9587-9599.	3.7	48
9	On the measurement of local gas hold-up, interfacial area and bubble size distribution in gasâ€“liquid contactors via light sheet and image analysis: Imaging technique and experimental results. Chemical Engineering Science, 2013, 102, 551-566.	3.8	35
10	Power Consumption in Uncovered Unbaffled Stirred Tanks: Influence of the Viscosity and Flow Regime. Industrial & Engineering Chemistry Research, 2013, 52, 14998-15005.	3.7	46
11	Modelling and Simulation of Gasâ€“liquid Hydrodynamics in a Rectangular Air-lift Reactor. International Journal of Chemical Reactor Engineering, 2013, 11, 667-674.	1.1	6
12	Gas-liquid-solid Operation of a High Aspect Ratio Self-ingesting Reactor. International Journal of Chemical Reactor Engineering, 2012, 10, .	1.1	10
13	Modeling and simulation of dense cloud dispersion in urban areas by means of computational fluid dynamics. Journal of Hazardous Materials, 2011, 197, 285-293.	12.4	41
14	Simplified dynamic pressure method for measurement in aerated bioreactors. Biochemical Engineering Journal, 2010, 49, 165-172.	3.6	35
15	On the measurement of bubble size distribution in gasâ€“liquid contactors via light sheet and image analysis. Chemical Engineering Science, 2010, 65, 2558-2568.	3.8	11
16	On the measurement of local gas hold-up and interfacial area in gasâ€“liquid contactors via light sheet and image analysis. Chemical Engineering Science, 2010, 65, 3699-3708.	3.8	20
17	Quasi-isoactinic Reactor for Photocatalytic Kinetics Studies. Industrial & Engineering Chemistry Research, 2007, 46, 7684-7690.	3.7	11
18	Modelling and Simulation of Gasâ€“Liquid Hydrodynamics in Mechanically Stirred Tanks. Chemical Engineering Research and Design, 2007, 85, 637-646.	5.6	91

#	Article	IF	Citations
19	Mass transfer and hydrodynamic characteristics of a high aspect ratio self-ingesting reactor for gasâ€“liquid operations. Chemical Engineering Science, 2007, 62, 1376-1387.	3.8	33
20	Estimating radiant fields in flat heterogeneous photoreactors by the six-flux model. AICHE Journal, 2006, 52, 3882-3890.	3.6	71
21	Large-eddy simulation of turbulent flow in an unbaffled stirred tank driven by a Rushton turbine. Chemical Engineering Science, 2005, 60, 2303-2316.	3.8	131
22	Heavy Gas Dispersion Modelling Over a Topographically Complex Mesoscale. Chemical Engineering Research and Design, 2005, 83, 242-256.	5.6	44
23	Bench-Scale Investigation of Inclined Dense Jets. Journal of Hydraulic Engineering, 2005, 131, 1017-1022.	1.5	89
24	CFD Simulation of Particle Suspension Height in Stirred Vessels. Chemical Engineering Research and Design, 2004, 82, 1204-1213.	5.6	79
25	Particle Flow Modelling in Slurry-Fed Stirred Vessels. Chemical Engineering and Technology, 2004, 27, 249-256.	1.5	4
26	A geometric approach for predicting vertical stationary profiles of weakly inertial advecting-diffusing particles in closed incompressible flows. International Journal of Multiphase Flow, 2004, 30, 675-696.	3.4	1
27	Residence time distribution of solid particles in a continuous, high-aspect-ratio multiple-impeller stirred vessel. Chemical Engineering Science, 2004, 59, 3601-3618.	3.8	3
28	Assessment of Particle Suspension Conditions in Stirred Vessels by Means of Pressure Gauge Technique. Chemical Engineering Research and Design, 2002, 80, 893-902.	5.6	51
29	On the simulation of stirred tank reactors via computational fluid dynamics. Chemical Engineering Science, 2000, 55, 291-302.	3.8	69
30	CFD Simulation of Particle Distribution in Stirred Vessels. Chemical Engineering Research and Design, 2000, 78, 435-444.	5.6	80
31	Solids Suspension in Three-Phase Stirred Tanks. Chemical Engineering Research and Design, 2000, 78, 319-326.	5.6	20
32	Prediction of flow fields in a dual-impeller stirred vessel. AICHE Journal, 1999, 45, 445-464.	3.6	55
33	Particle drag coefficients in turbulent fluids. Chemical Engineering Science, 1998, 53, 3295-3314.	3.8	246
34	Numerical prediction of flow fields in baffled stirred vessels: A comparison of alternative modelling approaches. Chemical Engineering Science, 1998, 53, 3653-3684.	3.8	259
35	Solidâ€liquid mass transfer coefficients in gasâ€solidâ€liquid agitated vessels. Canadian Journal of Chemical Engineering, 1998, 76, 446-455.	1.7	37
36	Turbulent flow in closed and free-surface unbaffled tanks stirred by radial impellers. Chemical Engineering Science, 1996, 51, 3557-3573.	3.8	118