Marino Simeone

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Design and construction of a new detector to measure ultra-low radioactive-isotope contamination of argon. Journal of Instrumentation, 2020, 15, P02024-P02024.	1.2	19
2	Analysis of the energy efficiency of solar aided biomass gasification for pure hydrogen production. International Journal of Hydrogen Energy, 2014, 39, 14622-14632.	7.1	20
3	Calculation of the energy efficiency of fuel processor – PEM (protonÂexchange membrane) fuel cell systems from fuel elementarÂcomposition and heating value. Energy, 2013, 57, 368-374.	8.8	17
4	Modelling and simulation of a catalytic autothermal methane reformer with Rh catalyst. International Journal of Hydrogen Energy, 2012, 37, 263-275.	7.1	21
5	Methane autothermal reforming in a reverse flow reactor on Rh/Al2O3 catalyst. International Journal of Hydrogen Energy, 2012, 37, 9049-9057.	7.1	16
6	Effects of viscosity and relaxation time on the hydrodynamics of gas–liquid systems. Chemical Engineering Science, 2011, 66, 3392-3399.	3.8	35
7	Energy efficiency of membrane-based fuel processors – PEM fuel cell systems. International Journal of Hydrogen Energy, 2010, 35, 3712-3720.	7.1	20
8	Thermodynamic analysis of ethanol processors – PEM fuel cell systems. International Journal of Hydrogen Energy, 2010, 35, 3480-3489.	7.1	24
9	Temperature evolution on Rh/Al2O3 catalyst during partial oxidation of methane in a reverse flow reactor. Experimental Thermal and Fluid Science, 2010, 34, 381-386.	2.7	6
10	Analysis of the energy efficiency of innovative ATR-based PEM fuel cell system with hydrogen membrane separation. International Journal of Hydrogen Energy, 2009, 34, 6384-6392.	7.1	30
11	Modeling Temperature Profiles of a Catalytic Autothermal Methane Reformer with Nickel Catalyst. Industrial & Engineering Chemistry Research, 2009, 48, 1804-1815.	3.7	16
12	Red blood cell deformation in microconfined flow. Soft Matter, 2009, 5, 3736.	2.7	121
13	Effect of water addition and stoichiometry variations on temperature profiles in an autothermal methane reforming reactor with Ni catalyst. International Journal of Hydrogen Energy, 2008, 33, 1252-1261.	7.1	35
14	Temperature profile in a reverse flow reactor for catalytic partial oxidation of methane by fast IR imaging. AICHE Journal, 2008, 54, 2689-2698.	3.6	15
15	Reactor temperature profile during autothermal methane reforming on Rh/Al2O3 catalyst by IR imaging. International Journal of Hydrogen Energy, 2008, 33, 4798-4808.	7.1	47
16	High-Throughput Screening-Compatible Single-Step Protocol to Differentiate Embryonic Stem Cells in Neurons. Stem Cells and Development, 2008, 17, 573-584.	2.1	50
17	Shear Banding in Biphasic Liquid-Liquid Systems. Physical Review Letters, 2008, 100, 137801.	7.8	37
18	A methodology to study the deformability of red blood cells flowing in microcapillaries in vitro. Annali Dell'Istituto Superiore Di Sanita, 2007, 43, 186-92.	0.4	12

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#	Article	IF	CITATIONS
19	Drop Deformation in Microconfined Shear Flow. Physical Review Letters, 2006, 97, 054502.	7.8	154
20	Start-up and retraction dynamics of a Newtonian drop in a viscoelastic matrix under simple shear flow. Journal of Non-Newtonian Fluid Mechanics, 2006, 134, 27-32.	2.4	25
21	A parameter investigation of shear-induced coalescence in semidilute PIB–PDMS polymer blends: effects of shear rate, shear stress volume fraction, and viscosity. Rheologica Acta, 2006, 45, 505-512.	2.4	27
22	Analysis of start-up dynamics of a single drop through an ellipsoidal drop model for non-Newtonian fluids. Journal of Non-Newtonian Fluid Mechanics, 2005, 126, 145-151.	2.4	15
23	Effect of sol–gel transition on shear-induced drop deformation in aqueous mixtures of gellan and κ-carrageenan. Journal of Colloid and Interface Science, 2005, 281, 488-494.	9.4	11
24	Shear-induced coalescence in aqueous biopolymer mixtures. Chemical Engineering Science, 2005, 60, 1019-1027.	3.8	33
25	Phase diagram, rheology and interfacial tension of aqueous mixtures of Na-caseinate and Na-alginate. Food Hydrocolloids, 2004, 18, 463-470.	10.7	63
26	Evolution of drop size distribution of polymer blends under shear flow by optical sectioning. Rheologica Acta, 2004, 43, 491-501.	2.4	33
27	Break-up of a Newtonian drop in a viscoelastic matrix under simple shear flow. Rheologica Acta, 2004, 43, 449-456.	2.4	46
28	Drop deformation under small-amplitude oscillatory shear flow. Rheologica Acta, 2003, 42, 1-9.	2.4	26
29	Deformation of a Newtonian drop in a viscoelastic matrix under steady shear flow. Journal of Non-Newtonian Fluid Mechanics, 2003, 114, 65-82.	2.4	63
30	Measurement of average drop size in aqueous mixtures of Na-alginate and Na-caseinate by linear oscillatory tests. Food Hydrocolloids, 2002, 16, 449-459.	10.7	17
31	Interfacial tension of aqueous mixtures of Na-caseinate and Na-alginate by drop deformation in shear flow. Carbohydrate Polymers, 2002, 48, 143-152.	10.2	36
32	Diffusion effects on the interfacial tension of immiscible polymer blends. Rheologica Acta, 1999, 38, 287-296.	2.4	40