Marino Simeone

List of Publications by Year
in descending order

32 papers	1,130 citations	361413 20 h-index	414414 32 g-index
32 all docs	32 docs citations	32 times ranked	1178 citing authors

#	Article	IF	Citations
1	Drop Deformation in Microconfined Shear Flow. Physical Review Letters, 2006, 97, 054502.	7.8	154
2	Red blood cell deformation in microconfined flow. Soft Matter, 2009, 5, 3736.	2.7	121
3	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
4	Phase diagram, rheology and interfacial tension of aqueous mixtures of Na-caseinate and Na-alginate. Food Hydrocolloids, 2004, 18, 463-470.	10.7	63
5	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
6	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
7	Break-up of a Newtonian drop in a viscoelastic matrix under simple shear flow. Rheologica Acta, 2004, 43, 449-456.	2.4	46
8	Diffusion effects on the interfacial tension of immiscible polymer blends. Rheologica Acta, 1999, 38, 287-296.	2.4	40
9	Shear Banding in Biphasic Liquid-Liquid Systems. Physical Review Letters, 2008, 100, 137801.	7.8	37
10	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
11	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
12	Effects of viscosity and relaxation time on the hydrodynamics of gasâ€“liquid systems. Chemical Engineering Science, 2011, 66, 3392-3399.	3.8	35
13	Evolution of drop size distribution of polymer blends under shear flow by optical sectioning. Rheologica Acta, 2004, 43, 491-501.	2.4	33
14	Shear-induced coalescence in aqueous biopolymer mixtures. Chemical Engineering Science, 2005, 60, 1019-1027.	3.8	33
15	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
16	A parameter investigation of shear-induced coalescence in semidilute PIBâ€“PDMS polymer blends: effects of shear rate, shear stress volume fraction, and viscosity. Rheologica Acta, 2006, 45, 505-512.	2.4	27
17	Drop deformation under small-amplitude oscillatory shear flow. Rheologica Acta, 2003, 42, 1-9.	2.4	26
18	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

#	Article	IF	Citations
19	Thermodynamic analysis of ethanol processors â€“ PEM fuel cell systems. International Journal of Hydrogen Energy, 2010, 35, 3480-3489.	7.1	24
20	Modelling and simulation of a catalytic autothermal methane reformer with Rh catalyst. International Journal of Hydrogen Energy, 2012, 37, 263-275.	7.1	21
21	Energy efficiency of membrane-based fuel processors â€“ PEM fuel cell systems. International Journal of Hydrogen Energy, 2010, 35, 3712-3720.	7.1	20
22	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
23	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
24	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
25	Calculation of the energy efficiency of fuel processor â€“ PEM (protonÂexchange membrane) fuel cell systems from fuel elementarÂcomposition and heating value. Energy, 2013, 57, 368-374.	8.8	17
26	Modeling Temperature Profiles of a Catalytic Autothermal Methane Reformer with Nickel Catalyst. Industrial & Engineering Chemistry Research, 2009, 48, 1804-1815.	3.7	16
27	Methane autothermal reforming in a reverse flow reactor on Rh/Al2O3 catalyst. International Journal of Hydrogen Energy, 2012, 37, 9049-9057.	7.1	16
28	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
29	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
30	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
31	Effect of solâ€“gel transition on shear-induced drop deformation in aqueous mixtures of gellan and Î²-carrageenan. Journal of Colloid and Interface Science, 2005, 281, 488-494.	9.4	11
32	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