

Marino Simeone

List of Publications by Year in descending order

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32
papers

1,130
citations

361045

20
h-index

414034

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. <i>Physical Review Letters</i> , 2006, 97, 054502.	2.9	154
2	Red blood cell deformation in microconfined flow. <i>Soft Matter</i> , 2009, 5, 3736.	1.2	121
3	Deformation of a Newtonian drop in a viscoelastic matrix under steady shear flow. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2003, 114, 65-82.	1.0	63
4	Phase diagram, rheology and interfacial tension of aqueous mixtures of Na-caseinate and Na-alginate. <i>Food Hydrocolloids</i> , 2004, 18, 463-470.	5.6	63
5	High-Throughput Screening-Compatible Single-Step Protocol to Differentiate Embryonic Stem Cells in Neurons. <i>Stem Cells and Development</i> , 2008, 17, 573-584.	1.1	50
6	Reactor temperature profile during autothermal methane reforming on Rh/Al ₂ O ₃ catalyst by IR imaging. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 4798-4808.	3.8	47
7	Break-up of a Newtonian drop in a viscoelastic matrix under simple shear flow. <i>Rheologica Acta</i> , 2004, 43, 449-456.	1.1	46
8	Diffusion effects on the interfacial tension of immiscible polymer blends. <i>Rheologica Acta</i> , 1999, 38, 287-296.	1.1	40
9	Shear Banding in Biphasic Liquid-Liquid Systems. <i>Physical Review Letters</i> , 2008, 100, 137801.	2.9	37
10	Interfacial tension of aqueous mixtures of Na-caseinate and Na-alginate by drop deformation in shear flow. <i>Carbohydrate Polymers</i> , 2002, 48, 143-152.	5.1	36
11	Effect of water addition and stoichiometry variations on temperature profiles in an autothermal methane reforming reactor with Ni catalyst. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 1252-1261.	3.8	35
12	Effects of viscosity and relaxation time on the hydrodynamics of gas-liquid systems. <i>Chemical Engineering Science</i> , 2011, 66, 3392-3399.	1.9	35
13	Evolution of drop size distribution of polymer blends under shear flow by optical sectioning. <i>Rheologica Acta</i> , 2004, 43, 491-501.	1.1	33
14	Shear-induced coalescence in aqueous biopolymer mixtures. <i>Chemical Engineering Science</i> , 2005, 60, 1019-1027.	1.9	33
15	Analysis of the energy efficiency of innovative ATR-based PEM fuel cell system with hydrogen membrane separation. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 6384-6392.	3.8	30
16	A parameter investigation of shear-induced coalescence in semidilute PIB- <i>PDMS</i> polymer blends: effects of shear rate, shear stress volume fraction, and viscosity. <i>Rheologica Acta</i> , 2006, 45, 505-512.	1.1	27
17	Drop deformation under small-amplitude oscillatory shear flow. <i>Rheologica Acta</i> , 2003, 42, 1-9.	1.1	26
18	Start-up and retraction dynamics of a Newtonian drop in a viscoelastic matrix under simple shear flow. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2006, 134, 27-32.	1.0	25

#	ARTICLE	IF	CITATIONS
19	Thermodynamic analysis of ethanol processors " PEM fuel cell systems. International Journal of Hydrogen Energy, 2010, 35, 3480-3489.	3.8	24
20	Modelling and simulation of a catalytic autothermal methane reformer with Rh catalyst. International Journal of Hydrogen Energy, 2012, 37, 263-275.	3.8	21
21	Energy efficiency of membrane-based fuel processors " PEM fuel cell systems. International Journal of Hydrogen Energy, 2010, 35, 3712-3720.	3.8	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.	3.8	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.	0.5	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.	5.6	17
25	Calculation of the energy efficiency of fuel processor " PEM (proton exchange membrane) fuel cell systems from fuel elemental composition and heating value. Energy, 2013, 57, 368-374.	4.5	17
26	Modeling Temperature Profiles of a Catalytic Autothermal Methane Reformer with Nickel Catalyst. Industrial & Engineering Chemistry Research, 2009, 48, 1804-1815.	1.8	16
27	Methane autothermal reforming in a reverse flow reactor on Rh/Al ₂ O ₃ catalyst. International Journal of Hydrogen Energy, 2012, 37, 9049-9057.	3.8	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.	1.0	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.	1.8	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.	0.2	12
31	Effect of sol-gel transition on shear-induced drop deformation in aqueous mixtures of gellan and β -carrageenan. Journal of Colloid and Interface Science, 2005, 281, 488-494.	5.0	11
32	Temperature evolution on Rh/Al ₂ O ₃ catalyst during partial oxidation of methane in a reverse flow reactor. Experimental Thermal and Fluid Science, 2010, 34, 381-386.	1.5	6