

Alberto Cincotti

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,547
citations

759233

12
h-index

501196

28
g-index

28
all docs

28
docs citations

28
times ranked

1680
citing authors

#	ARTICLE	IF	CITATIONS
1	Insights into the model of non-perfect osmometer cells for cryopreservation: A parametric sweep analysis. <i>Cryobiology</i> , 2021, 100, 193-211.	0.7	7
2	Experimental and molecular modeling study on the binary mixtures of [EMIM][BF ₄] and [EMIM][TFSI] ionic liquids. <i>Journal of Molecular Liquids</i> , 2021, 334, 116049.	4.9	14
3	Structural Characterisation and Assessment of the Novel <i>Bacillus amyloliquefaciens</i> RK3 Exopolysaccharide on the Improvement of Cognitive Function in Alzheimer's Disease Mice. <i>Polymers</i> , 2021, 13, 2842.	4.5	12
4	Substitution Effects on the Optoelectronic Properties of Coumarin Derivatives. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 144.	2.5	17
5	Insights into the interaction between lipid bilayers and trehalose aqueous solutions. <i>Journal of Molecular Liquids</i> , 2020, 314, 113639.	4.9	7
6	Milling Dynamics and Propagation of Mechanically Activated Self-Sustaining Reactions. <i>Advances in Materials Science and Engineering</i> , 2020, 2020, 1-10.	1.8	1
7	A Theoretical Study on Trehalose + Water Mixtures for Dry Preservation Purposes. <i>Molecules</i> , 2020, 25, 1435.	3.8	5
8	Modelling the osmotic behaviour of human mesenchymal stem cells. <i>Biochemical Engineering Journal</i> , 2019, 151, 107296.	3.6	14
9	Insights on Cryopreserved Sheep Fibroblasts by Cryomicroscopy and Gene Expression Analysis. <i>Biopreservation and Biobanking</i> , 2017, 15, 310-320.	1.0	2
10	Osmotic behaviour of human mesenchymal stem cells: Implications for cryopreservation. <i>PLoS ONE</i> , 2017, 12, e0184180.	2.5	23
11	Thermally and catalytically induced coarsening of nanoporous Au. <i>Materials Letters</i> , 2016, 183, 114-116.	2.6	11
12	A novel population balance model to investigate the kinetics of in vitro cell proliferation: Part II. numerical solution, parameters' determination, and model outcomes. <i>Biotechnology and Bioengineering</i> , 2012, 109, 782-796.	3.3	9
13	A novel population balance model to investigate the kinetics of in vitro cell proliferation: Part I. model development. <i>Biotechnology and Bioengineering</i> , 2012, 109, 772-781.	3.3	19
14	Experimental analysis and modeling of bone marrow mesenchymal stem cells proliferation. <i>Chemical Engineering Science</i> , 2010, 65, 562-568.	3.8	3
15	A methodology to investigate the intrinsic effect of the pulsed electric current during the spark plasma sintering of electrically conductive powders. <i>Science and Technology of Advanced Materials</i> , 2010, 11, 045005.	6.1	23
16	Consolidation/synthesis of materials by electric current activated/assisted sintering. <i>Materials Science and Engineering Reports</i> , 2009, 63, 127-287.	31.8	1,047
17	A simulation model for stem cells differentiation into specialized cells of non-connective tissues. <i>Computational Biology and Chemistry</i> , 2008, 32, 338-344.	2.3	11
18	Heavy Metals Uptake by Sardinian Natural Zeolites: Experiment and Modeling. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 1074-1084.	3.7	101

#	ARTICLE	IF	CITATIONS
19	Self-Propagating Reactions for Environmental Protection: Treatment of Wastes Containing Asbestos. Industrial & Engineering Chemistry Research, 2005, 44, 85-91.	3.7	17
20	Modeling of engineered cartilage growth in rotating bioreactors. Chemical Engineering Science, 2004, 59, 5035-5040.	3.8	37
21	Development of processes for environmental protection based on self-propagating reactions. Environmental Science and Pollution Research, 2003, 10, 385-389.	5.3	5
22	A review on combustion synthesis of novel materials: recent experimental and modeling results. Journal of Chemical Technology and Biotechnology, 2003, 78, 122-127.	3.2	48
23	A Simulation Model for the Growth of Engineered Cartilage on Polymeric Scaffolds. International Journal of Chemical Reactor Engineering, 2003, 1, .	1.1	7
24	Self-Propagating Reactions for Environmental Protection: Reactor Engineering Aspects. Industrial & Engineering Chemistry Research, 2001, 40, 5291-5299.	3.7	7
25	On the Modeling of the Copper Block Combustion Front Quenching Technique To Investigate Solid Self-Propagating High-Temperature Reactions. Industrial & Engineering Chemistry Research, 2001, 40, 3451-3458.	3.7	12
26	Treatment and recycling of zinc hydrometallurgical wastes by self-propagating reactions. Chemical Engineering Science, 1999, 54, 3053-3061.	3.8	42
27	Film Model Approximation for Particle-Diffusion-Controlled Binary Ion Exchange. Separation Science and Technology, 1999, 34, 1-16.	2.5	13
28	Film model approximation for non-linear adsorption and diffusion in spherical particles. Chemical Engineering Science, 1998, 53, 3483-3488.	3.8	33