

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	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
2	Heavy Metals Uptake by Sardinian Natural Zeolites: Experiment and Modeling. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 1074-1084.	3.7	101
3	A review on combustion synthesis of novel materials: recent experimental and modeling results. <i>Journal of Chemical Technology and Biotechnology</i> , 2003, 78, 122-127.	3.2	48
4	Treatment and recycling of zinc hydrometallurgical wastes by self-propagating reactions. <i>Chemical Engineering Science</i> , 1999, 54, 3053-3061.	3.8	42
5	Modeling of engineered cartilage growth in rotating bioreactors. <i>Chemical Engineering Science</i> , 2004, 59, 5035-5040.	3.8	37
6	Film model approximation for non-linear adsorption and diffusion in spherical particles. <i>Chemical Engineering Science</i> , 1998, 53, 3483-3488.	3.8	33
7	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
8	Osmotic behaviour of human mesenchymal stem cells: Implications for cryopreservation. <i>PLoS ONE</i> , 2017, 12, e0184180.	2.5	23
9	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
10	Self-Propagating Reactions for Environmental Protection: Treatment of Wastes Containing Asbestos. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 85-91.	3.7	17
11	Substitution Effects on the Optoelectronic Properties of Coumarin Derivatives. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 144.	2.5	17
12	Modelling the osmotic behaviour of human mesenchymal stem cells. <i>Biochemical Engineering Journal</i> , 2019, 151, 107296.	3.6	14
13	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
14	Film Model Approximation for Particle-Diffusion-Controlled Binary Ion Exchange. <i>Separation Science and Technology</i> , 1999, 34, 1-16.	2.5	13
15	On the Modeling of the Copper Block Combustion Front Quenching Technique To Investigate Solid-Solid Self-Propagating High-Temperature Reactions. <i>Industrial & Engineering Chemistry Research</i> , 2001, 40, 3451-3458.	3.7	12
16	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
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	Thermally and catalytically induced coarsening of nanoporous Au. <i>Materials Letters</i> , 2016, 183, 114-116.	2.6	11

#	ARTICLE	IF	CITATIONS
19	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
20	Self-Propagating Reactions for Environmental Protection:Â Reactor Engineering Aspects. <i>Industrial & Engineering Chemistry Research</i> , 2001, 40, 5291-5299.	3.7	7
21	A Simulation Model for the Growth of Engineered Cartilage on Polymeric Scaffolds. <i>International Journal of Chemical Reactor Engineering</i> , 2003, 1, .	1.1	7
22	Insights into the interaction between lipid bilayers and trehalose aqueous solutions. <i>Journal of Molecular Liquids</i> , 2020, 314, 113639.	4.9	7
23	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
24	Development of processes for environmental protection based on self-propagating reactions. <i>Environmental Science and Pollution Research</i> , 2003, 10, 385-389.	5.3	5
25	A Theoretical Study on Trehalose + Water Mixtures for Dry Preservation Purposes. <i>Molecules</i> , 2020, 25, 1435.	3.8	5
26	Experimental analysis and modeling of bone marrow mesenchymal stem cells proliferation. <i>Chemical Engineering Science</i> , 2010, 65, 562-568.	3.8	3
27	Insights on Cryopreserved Sheep Fibroblasts by Cryomicroscopy and Gene Expression Analysis. <i>Biopreservation and Biobanking</i> , 2017, 15, 310-320.	1.0	2
28	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