

Vincenza CalabrÃ²

List of Publications by Year in descending order

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62
papers

2,444
citations

236833

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214721

47
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62
all docs

62
docs citations

62
times ranked

2977
citing authors

#	ARTICLE	IF	CITATIONS
1	Wastewater-Based Epidemiology: Global Collaborative to Maximize Contributions in the Fight Against COVID-19. <i>Environmental Science & Technology</i> , 2020, 54, 7754-7757.	4.6	337
2	An integrated centrifugation-ultrafiltration system in the treatment of olive mill wastewater. <i>Journal of Membrane Science</i> , 2002, 209, 519-531.	4.1	177
3	Theoretical and Experimental Study on Membrane Distillation in the Concentration of Orange Juice. <i>Industrial & Engineering Chemistry Research</i> , 1994, 33, 1803-1808.	1.8	170
4	Bioplastic from Renewable Biomass: A Facile Solution for a Greener Environment. <i>Earth Systems and Environment</i> , 2021, 5, 231-251.	3.0	161
5	Membrane distillation in the textile wastewater treatment.. <i>Desalination</i> , 1991, 83, 209-224.	4.0	119
6	Bio-ethanol production by fermentation of ricotta cheese whey as an effective alternative non-vegetable source. <i>Biomass and Bioenergy</i> , 2009, 33, 1687-1692.	2.9	109
7	Membrane distillation in the treatment of aqueous solutions. <i>Journal of Membrane Science</i> , 1987, 33, 277-284.	4.1	105
8	An analysis of the transport phenomena occurring during food drying process. <i>Journal of Food Engineering</i> , 2007, 78, 922-932.	2.7	85
9	The State of the Art in the Production of Fructose from Inulin Enzymatic Hydrolysis. <i>Critical Reviews in Biotechnology</i> , 2007, 27, 129-145.	5.1	82
10	Simulation of food drying: FEM analysis and experimental validation. <i>Journal of Food Engineering</i> , 2008, 87, 541-553.	2.7	70
11	Reduction and control of flux decline in cross-flow membrane processes modeled by artificial neural networks. <i>Journal of Membrane Science</i> , 2006, 286, 125-132.	4.1	55
12	Eggshell: A green adsorbent for heavy metal removal in an MBR system. <i>Ecotoxicology and Environmental Safety</i> , 2015, 121, 57-62.	2.9	54
13	A theoretical analysis of transport phenomena in a hollow fiber membrane bioreactor with immobilized biocatalyst. <i>Journal of Membrane Science</i> , 2002, 206, 217-241.	4.1	53
14	Effect of steam-pretreatment combined with hydrogen peroxide on lignocellulosic agricultural wastes for bioethanol production: Analysis of derived sugars and other by-products. <i>Journal of Energy Chemistry</i> , 2018, 27, 535-543.	7.1	47
15	Kinetic study on the enzymatic esterification of octanoic acid and hexanol by immobilized <i>Candida antarctica</i> lipase B. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 110, 64-71.	1.8	45
16	A hybrid neural approach to model batch fermentation of ricotta cheese whey to ethanol. <i>Computers and Chemical Engineering</i> , 2010, 34, 1590-1596.	2.0	43
17	A theoretical and experimental analysis of a membrane bioreactor performance in recycle configuration. <i>Journal of Membrane Science</i> , 2006, 273, 129-142.	4.1	39
18	Chemical Profile and Antioxidant Properties of Extracts and Essential Oils from <i>Citrus limon</i> (L.) cv. Femminello Comune. <i>Chemistry and Biodiversity</i> , 2016, 13, 571-581.	1.0	39

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19	Ultrafiltration of BSA in pulsating conditions: an artificial neural networks approach. <i>Journal of Membrane Science</i> , 2005, 246, 235-247.	4.1	35
20	Experimental Evaluation of Quality Parameters During Drying of Carrot Samples. <i>Food and Bioprocess Technology</i> , 2012, 5, 118-129.	2.6	35
21	Organogelation of extra virgin olive oil with fatty alcohols, glyceryl stearate and their mixture. <i>LWT - Food Science and Technology</i> , 2017, 77, 422-429.	2.5	32
22	Kinetics of enzymatic trans-esterification of glycerides for biodiesel production. <i>Bioprocess and Biosystems Engineering</i> , 2010, 33, 701-710.	1.7	31
23	Fructose Production by Inulinase Covalently Immobilized on Sepabeads in Batch and Fluidized Bed Bioreactor. <i>International Journal of Molecular Sciences</i> , 2010, 11, 1180-1189.	1.8	29
24	Catalytic Membrane Reactors: The Industrial Applications Perspective. <i>Catalysts</i> , 2021, 11, 691.	1.6	27
25	A rheological approach to the study of concentrated milk clotting. <i>Rheologica Acta</i> , 2001, 40, 154-161.	1.1	26
26	Biofuel Production and Phosphorus Recovery through an Integrated Treatment of Agro-Industrial Waste. <i>Sustainability</i> , 2019, 11, 52.	1.6	26
27	Optimization of inulin hydrolysis by inulinase accounting for enzyme time- and temperature-dependent deactivation. <i>Biochemical Engineering Journal</i> , 2009, 48, 81-86.	1.8	25
28	The Influence of Ultrafiltration of Citrus limon L. Burm. cv Femminello Comune Juice on Its Chemical Composition and Antioxidant and Hypoglycemic Properties. <i>Antioxidants</i> , 2019, 8, 23.	2.2	23
29	Biogas Generation through Anaerobic Digestion of Compost Leachate in Semi-Continuous Completely Stirred Tank Reactors. <i>Processes</i> , 2019, 7, 635.	1.3	23
30	Monitoring and control of TMP and feed flow rate pulsatile operations during ultrafiltration in a membrane module. <i>Desalination</i> , 2002, 145, 217-222.	4.0	21
31	Thermal and Stability Investigation of Phase Change Material Dispersions for Thermal Energy Storage by T-History and Optical Methods. <i>Energies</i> , 2017, 10, 354.	1.6	20
32	Bioconversion of lignocellulosic biomass to bioethanol and biobutanol. , 2020, , 67-125.		20
33	Formulation of a 3D conjugated multiphase transport model to predict drying process behavior of irregular-shaped vegetables. <i>Journal of Food Engineering</i> , 2016, 176, 36-55.	2.7	19
34	Stability of Film-Forming Dispersions: Affects the Morphology and Optical Properties of Polymeric Films. <i>Polymers</i> , 2021, 13, 1464.	2.0	19
35	Stochastic Model-Assisted Development of Efficient Low-Dose Viral Transduction in Microfluidics. <i>Biophysical Journal</i> , 2013, 104, 934-942.	0.2	18
36	Improving the enzymatic hydrolysis of <i>Saccharum officinarum</i> L. bagasse by optimizing mixing in a stirred tank reactor: Quantitative analysis of biomass conversion. <i>Fuel Processing Technology</i> , 2016, 149, 15-22.	3.7	17

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37	Reduction and control of flux decline in cross-flow membrane processes modeled by artificial neural networks and hybrid systems. <i>Desalination</i> , 2009, 236, 234-243.	4.0	15
38	Membrane applications for biogas production and purification processes: an overview on a smart alternative for process intensification. <i>RSC Advances</i> , 2015, 5, 14156-14186.	1.7	15
39	Process-intensified waste valorization and environmentally friendly d-limonene extraction. <i>Euro-Mediterranean Journal for Environmental Integration</i> , 2019, 4, 1.	0.6	15
40	Steam pretreatment of <i>Saccharum officinarum</i> L. bagasse by adding of impregnating agents for advanced bioethanol production. <i>Ecotoxicology and Environmental Safety</i> , 2016, 134, 293-300.	2.9	14
41	Fuzzy-Assisted Ultrafiltration of Wastewater from Milk Industries. <i>Advances in Science, Technology and Innovation</i> , 2020, , 239-242.	0.2	14
42	Application of organic solvent nanofiltration for microalgae extract concentration. <i>Biofuels, Bioproducts and Biorefining</i> , 2017, 11, 307-324.	1.9	13
43	Small-Scale Biodiesel Production Plants – An Overview. <i>Energies</i> , 2021, 14, 1901.	1.6	13
44	An experimental analysis of membrane bioreactor performances with immobilized chymosin. <i>Journal of Membrane Science</i> , 2000, 173, 247-261.	4.1	12
45	Olive husk oil transesterification in a fluidized bed reactor with immobilized lipases. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2009, 4, 365-368.	0.8	12
46	Fruit juice concentration by membranes: effect of rheological properties on concentration polarization phenomena. <i>Journal of Food Engineering</i> , 2001, 48, 235-241.	2.7	10
47	Industrial Waste-an Economical Approach for Adsorption of Heavy Metals from Ground Water. <i>American Journal of Engineering and Applied Sciences</i> , 2015, 8, 48-56.	0.3	9
48	Transmission of SARS-Cov-2 and other enveloped viruses to the environment through protective gear: a brief review. <i>Euro-Mediterranean Journal for Environmental Integration</i> , 2021, 6, 48.	0.6	9
49	Neural and Hybrid Modeling: An Alternative Route to Efficiently Predict the Behavior of Biotechnological Processes Aimed at Biofuels Obtainment. <i>Scientific World Journal</i> , The, 2014, 2014, 1-9.	0.8	8
50	Transport Phenomena Modeling During Drying of Shrinking Materials. <i>Computer Aided Chemical Engineering</i> , 2010, 28, 91-96.	0.3	7
51	Measurement of the Water-Diffusion Coefficient, Apparent Density Changes and Shrinkage During the Drying of Eggplant (<i>Solanum Melongena</i>). <i>International Journal of Food Properties</i> , 2011, 14, 523-537.	1.3	7
52	Crossed analysis by T-history and optical light scattering method for the performance evaluation of Glauber's salt-based phase change materials. <i>Journal of Dispersion Science and Technology</i> , 2022, 43, 760-768.	1.3	6
53	Fuzzy-assisted ultrafiltration of whey by-products recovery. <i>Euro-Mediterranean Journal for Environmental Integration</i> , 2020, 5, 1.	0.6	6
54	A theoretical analysis of transport phenomena in membrane concentration of liquorice solutions: a FEM approach. <i>Journal of Food Engineering</i> , 2005, 71, 252-264.	2.7	5

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55	A mass transport/kinetic model for the description of inulin hydrolysis by immobilized inulinase. Journal of Chemical Technology and Biotechnology, 2015, 90, 1782-1792.	1.6	5
56	Modeling of Microbial Spoilage and Color Degradation Occurring in Convective Drying of Vegetables: A Route to Process Optimization. Journal of Food Process Engineering, 2015, 38, 76-92.	1.5	4
57	Starch/pectin-based films: How initial dispersions could affect their performances. Journal of Applied Polymer Science, 2022, 139, 52032.	1.3	4
58	Design and tuning of feedback controllers: effects on proteins ultrafiltration process modeled by a hybrid system. Desalination and Water Treatment, 2011, 34, 295-303.	1.0	2
59	T-history method: the importance of the cooling chamber to evaluate the thermal properties of Glauber's salt-based phase change materials. Measurement Science and Technology, 2021, 32, 035601.	1.4	2
60	Technological Aspects of Lignocellulose Conversion into Biofuels: Key Challenges and Practical Solutions. , 2018, , 117-154.		1
61	Characterization of Glauber Hydrate Salt, Recoverable from the Disposal of Lead Batteries, When Used for Thermal Energy Storage. Advances in Science, Technology and Innovation, 2018, , 81-83.	0.2	0
62	Biofuels and Bioenergy from Residual Biomasses: When a Waste Becomes a Resource. Advances in Science, Technology and Innovation, 2018, , 1569-1571.	0.2	0