Vincenza CalabrÃ²

List of Publications by Year
in descending order

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		236833	214721
62	2,444	25	47
papers	citations	h-index	g-index

62	62	62	2977
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Crossed analysis by T-history and optical light scattering method for the performance evaluation of Glauberâ€™s salt-based phase change materials. Journal of Dispersion Science and Technology, 2022, 43, 760-768.	1.3	6
2	Starch/pectinâ€biobased films: How initial dispersions could affect their performances. Journal of Applied Polymer Science, 2022, 139, 52032.	1.3	4
3	Small-Scale Biodiesel Production Plantsâ€”An Overview. Energies, 2021, 14, 1901.	1.6	13
4	Bioplastic from Renewable Biomass: A Facile Solution for a Greener Environment. Earth Systems and Environment, 2021, 5, 231-251.	3.0	161
5	Transmission of SARS-Cov-2 and other enveloped viruses to the environment through protective gear: a brief review. Euro-Mediterranean Journal for Environmental Integration, 2021, 6, 48.	0.6	9
6	Stability of Film-Forming Dispersions: Affects the Morphology and Optical Properties of Polymeric Films. Polymers, 2021, 13, 1464.	2.0	19
7	Catalytic Membrane Reactors: The Industrial Applications Perspective. Catalysts, 2021, 11, 691.	1.6	27
8	T-history method: the importance of the cooling chamber to evaluate the thermal properties of Glauberâ€™s salt-based phase change materials. Measurement Science and Technology, 2021, 32, 035601.	1.4	2
9	Bioconversion of lignocellulosic biomass to bioethanol and biobutanol. , 2020, , 67-125.		20
10	Wastewater-Based Epidemiology: Global Collaborative to Maximize Contributions in the Fight Against COVID-19. Environmental Science & Technology, 2020, 54, 7754-7757.	4.6	337
11	Fuzzy-assisted ultrafiltration of whey by-products recovery. Euro-Mediterranean Journal for Environmental Integration, 2020, 5, 1.	0.6	6
12	Fuzzy-Assisted Ultrafiltration of Wastewater from Milk Industries. Advances in Science, Technology and Innovation, 2020, , 239-242.	0.2	14
13	Process-intensified waste valorization and environmentally friendly d-limonene extraction. Euro-Mediterranean Journal for Environmental Integration, 2019, 4, 1.	0.6	15
14	Biofuel Production and Phosphorus Recovery through an Integrated Treatment of Agro-Industrial Waste. Sustainability, 2019, 11, 52.	1.6	26
15	The Influence of Ultrafiltration of Citrus limon L. Burm. cv Femminello Comune Juice on Its Chemical Composition and Antioxidant and Hypoglycemic Properties. Antioxidants, 2019, 8, 23.	2.2	23
16	Biogas Generation through Anaerobic Digestion of Compost Leachate in Semi-Continuous Completely Stirred Tank Reactors. Processes, 2019, 7, 635.	1.3	23
17	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
18	Biofuels and Bioenergy from Residual Biomasses: When a Waste Becomes a Resource. Advances in Science, Technology and Innovation, 2018, , 1569-1571.	0.2	0

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19	Effect of steam-pretreatment combined with hydrogen peroxide on lignocellulosic agricultural wastes for bioethanol production: Analysis of derived sugars and other by-products. Journal of Energy Chemistry, 2018, 27, 535-543.	7.1	47
20	Technological Aspects of Lignocellulose Conversion into Biofuels: Key Challenges and Practical Solutions. , 2018, , 117-154.		1
21	Organogelation of extra virgin olive oil with fatty alcohols, glyceryl stearate and their mixture. LWT - Food Science and Technology, 2017, 77, 422-429.	2.5	32
22	Application of organic solvent nanofiltration for microalgae extract concentration. Biofuels, Bioproducts and Biorefining, 2017, 11, 307-324.	1.9	13
23	Thermal and Stability Investigation of Phase Change Material Dispersions for Thermal Energy Storage by T-History and Optical Methods. Energies, 2017, 10, 354.	1.6	20
24	Chemical Profile and Antioxidant Properties of Extracts and Essential Oils from CitrusÂÃ—Âlimon (L.) <scp>Burm</scp>. cv. Femminello Comune. Chemistry and Biodiversity, 2016, 13, 571-581.	1.0	39
25	Improving the enzymatic hydrolysis of Saccharum officinarum L. bagasse by optimizing mixing in a stirred tank reactor: Quantitative analysis of biomass conversion. Fuel Processing Technology, 2016, 149, 15-22.	3.7	17
26	Formulation of a 3D conjugated multiphase transport model to predict drying process behavior of irregular-shaped vegetables. Journal of Food Engineering, 2016, 176, 36-55.	2.7	19
27	Steam pretreatment of Saccharum officinarum L. bagasse by adding of impregnating agents for advanced bioethanol production. Ecotoxicology and Environmental Safety, 2016, 134, 293-300.	2.9	14
28	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
29	Industrial Waste-an Economical Approach for Adsorption of Heavy Metals from Ground Water. American Journal of Engineering and Applied Sciences, 2015, 8, 48-56.	0.3	9
30	Eggshell: A green adsorbent for heavy metal removal in an MBR system. Ecotoxicology and Environmental Safety, 2015, 121, 57-62.	2.9	54
31	Membrane applications for biogas production andÂpurification processes: an overview on a smart alternative for process intensification. RSC Advances, 2015, 5, 14156-14186.	1.7	15
32	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
33	Neural and Hybrid Modeling: An Alternative Route to Efficiently Predict the Behavior of Biotechnological Processes Aimed at Biofuels Obtainment. Scientific World Journal, The, 2014, 2014, 1-9.	0.8	8
34	Kinetic study on the enzymatic esterification of octanoic acid and hexanol by immobilized Candida antarctica lipase B. Journal of Molecular Catalysis B: Enzymatic, 2014, 110, 64-71.	1.8	45
35	Stochastic Model-Assisted Development of Efficient Low-Dose Viral Transduction in Microfluidics. Biophysical Journal, 2013, 104, 934-942.	0.2	18
36	Experimental Evaluation of Quality Parameters During Drying of Carrot Samples. Food and Bioprocess Technology, 2012, 5, 118-129.	2.6	35

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37	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
38	Measurement of the Water-Diffusion Coefficient, Apparent Density Changes and Shrinkage During the Drying of Eggplant (Solanum Melongena). International Journal of Food Properties, 2011, 14, 523-537.	1.3	7
39	Kinetics of enzymatic trans-esterification of glycerides for biodiesel production. Bioprocess and Biosystems Engineering, 2010, 33, 701-710.	1.7	31
40	A hybrid neural approach to model batch fermentation of â€œricotta cheese wheyâ€•to ethanol. Computers and Chemical Engineering, 2010, 34, 1590-1596.	2.0	43
41	Transport Phenomena Modeling During Drying of Shrinking Materials. Computer Aided Chemical Engineering, 2010, 28, 91-96.	0.3	7
42	Fructose Production by Inulinase Covalently Immobilized on Sepabeads in Batch and Fluidized Bed Bioreactor. International Journal of Molecular Sciences, 2010, 11, 1180-1189.	1.8	29
43	Optimization of inulin hydrolysis by inulinase accounting for enzyme time- and temperature-dependent deactivation. Biochemical Engineering Journal, 2009, 48, 81-86.	1.8	25
44	Bio-ethanol production by fermentation of ricotta cheese whey as an effective alternative non-vegetable source. Biomass and Bioenergy, 2009, 33, 1687-1692.	2.9	109
45	Reduction and control of flux decline in cross-flow membrane processes modeled by artificial neural networks and hybrid systems. Desalination, 2009, 236, 234-243.	4.0	15
46	Olive husk oil transesterification in a fluidized bed reactor with immobilized lipases. Asia-Pacific Journal of Chemical Engineering, 2009, 4, 365-368.	0.8	12
47	Simulation of food drying: FEM analysis and experimental validation. Journal of Food Engineering, 2008, 87, 541-553.	2.7	70
48	The State of the Art in the Production of Fructose from Inulin Enzymatic Hydrolysis. Critical Reviews in Biotechnology, 2007, 27, 129-145.	5.1	82
49	An analysis of the transport phenomena occurring during food drying process. Journal of Food Engineering, 2007, 78, 922-932.	2.7	85
50	A theoretical and experimental analysis of a membrane bioreactor performance in recycle configuration. Journal of Membrane Science, 2006, 273, 129-142.	4.1	39
51	Reduction and control of flux decline in cross-flow membrane processes modeled by artificial neural networks. Journal of Membrane Science, 2006, 286, 125-132.	4.1	55
52	A theoretical analysis of transport phenomena in membrane concentration of liquorice solutions: a FEM approach. Journal of Food Engineering, 2005, 71, 252-264.	2.7	5
53	Ultrafiltration of BSA in pulsating conditions: an artificial neural networks approach. Journal of Membrane Science, 2005, 246, 235-247.	4.1	35
54	A theoretical analysis of transport phenomena in a hollow fiber membrane bioreactor with immobilized biocatalyst. Journal of Membrane Science, 2002, 206, 217-241.	4.1	53

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55	An integrated centrifugationâ€“ultrafiltration system in the treatment of olive mill wastewater. Journal of Membrane Science, 2002, 209, 519-531.	4.1	177
56	Monitoring and control of TMP and feed flow rate pulsatile operations during ultrafiltration in a membrane module. Desalination, 2002, 145, 217-222.	4.0	21
57	A rheological approach to the study of concentrated milk clotting. Rheologica Acta, 2001, 40, 154-161.	1.1	26
58	Fruit juice concentration by membranes: effect of rheological properties on concentration polarization phenomena. Journal of Food Engineering, 2001, 48, 235-241.	2.7	10
59	An experimental analysis of membrane bioreactor performances with immobilized chymosin. Journal of Membrane Science, 2000, 173, 247-261.	4.1	12
60	Theoretical and Experimental Study on Membrane Distillation in the Concentration of Orange Juice. Industrial & Engineering Chemistry Research, 1994, 33, 1803-1808.	1.8	170
61	Membrane distillation in the textile wastewater treatment.. Desalination, 1991, 83, 209-224.	4.0	119
62	Membrane distillataion in the treatment of aqueous solutions. Journal of Membrane Science, 1987, 33, 277-284.	4.1	105