

Vicente Martínez-Soria

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,145
citations

236612

25
h-index

223531

46
g-index

52
all docs

52
docs citations

52
times ranked

1941
citing authors

#	ARTICLE	IF	CITATIONS
1	Recovery of dissolved methane through a flat sheet module with PDMS, PP, and PVDF membranes. Separation and Purification Technology, 2022, 282, 120057.	3.9	8
2	Flat PVDF Membrane with Enhanced Hydrophobicity through Alkali Activation and Organofluorosilanisation for Dissolved Methane Recovery. Membranes, 2022, 12, 426.	1.4	5
3	Simultaneous application of vacuum and sweep gas in a polypropylene membrane contactor for the recovery of dissolved methane from water. Journal of Membrane Science, 2021, 617, 118560.	4.1	15
4	Comparison of simultaneous saccharification and fermentation and separate hydrolysis and fermentation processes for butanol production from rice straw. Fuel, 2020, 282, 118831.	3.4	49
5	Influence of activated carbon on performance and microbial communities in the treatment of solvent pollutant mixtures in a continuous stirred tank reactor. Environmental Science: Water Research and Technology, 2020, 6, 1445-1455.	1.2	8
6	Effect of substrate composition on the stability and microbial community of an anaerobic expanded granular sludge bed reactor treating printing solvent mixtures of ethanol and glycol ethers. International Biodeterioration and Biodegradation, 2019, 145, 104815.	1.9	6
7	Removal of acetone from air emissions by biotrickling filters: providing solutions from laboratory to full-scale. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2019, 54, 1-8.	0.9	3
8	Anaerobic degradation of glycol ether-ethanol mixtures using EGSB and hybrid reactors: Performance comparison and ether cleavage pathway. Journal of Environmental Management, 2018, 213, 159-167.	3.8	16
9	Biotrickling filter modeling for styrene abatement. Part 1: Model development, calibration and validation on an industrial scale. Chemosphere, 2018, 191, 1066-1074.	4.2	37
10	Performance of a polypropylene membrane contactor for the recovery of dissolved methane from anaerobic effluents: Mass transfer evaluation, long-term operation and cleaning strategies. Journal of Membrane Science, 2018, 563, 926-937.	4.1	54
11	Demethanization of aqueous anaerobic effluents using a polydimethylsiloxane membrane module: Mass transfer, fouling and energy analysis. Separation and Purification Technology, 2017, 186, 10-19.	3.9	52
12	Performance and feasibility of biotrickling filtration in the control of styrene industrial air emissions. International Biodeterioration and Biodegradation, 2017, 119, 329-335.	1.9	30
13	Comparative study of degassing membrane modules for the removal of methane from Expanded Granular Sludge Bed anaerobic reactor effluent. Separation and Purification Technology, 2016, 170, 22-29.	3.9	58
14	Coupling Adsorption and Biological Technologies for Multicomponent and Fluctuating Volatile Organic Compounds Emissions Abatement: Laboratory-Scale Evaluation and Full-Scale Implementation. Industrial & Engineering Chemistry Research, 2015, 54, 1713-1722.	1.8	9
15	Isovaleraldehyde degradation using UV photocatalytic and dielectric barrier discharge reactors, and their combinations. Journal of Photochemistry and Photobiology A: Chemistry, 2015, 299, 110-117.	2.0	37
16	Abatement of 3-methylbutanal and trimethylamine with combined plasma and photocatalysis in a continuous planar reactor. Journal of Photochemistry and Photobiology A: Chemistry, 2014, 282, 1-8.	2.0	36
17	Control of VOC emissions from a flexographic printing facility using an industrial biotrickling filter. Water Science and Technology, 2012, 65, 177-182.	1.2	9
18	Evolution of Bacterial Community in a Full-scale Biotrickling Filter by Fluorescence in Situ Hybridization (FISH). Procedia Engineering, 2012, 42, 666-671.	1.2	6

#	ARTICLE	IF	CITATIONS
19	Photodegradation of Toluene, <i>m</i> -Xylene, and <i>n</i> -Butyl Acetate and Their Mixtures over TiO ₂ Catalyst on Glass Fibers. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 5986-5994.	1.8	42
20	Effect of pre-treatments based on UV photocatalysis and photo-oxidation on toluene biofiltration performance. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 65-72.	1.6	20
21	Full-scale biotrickling filtration of volatile organic compounds from air emission in wood-coating activities. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 732-738.	1.6	17
22	Evaluation of a pilot-scale biotrickling filter as a VOC control technology for the plastic coating sector. <i>Biochemical Engineering Journal</i> , 2011, 58-59, 154-161.	1.8	32
23	Effects of nitrogen source and empty bed residence time on the removal of styrene gaseous emissions by biotrickling filtration. <i>Bioprocess and Biosystems Engineering</i> , 2011, 34, 859-867.	1.7	15
24	UV photocatalytic oxidation of paint solvent compounds in air using an annular TiO ₂ -supported reactor. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 273-281.	1.6	26
25	Influence of ground tire rubber on the transient loading response of a peat biofilter. <i>Journal of Environmental Management</i> , 2011, 92, 1978-1985.	3.8	10
26	Comparison between laboratory and pilot biotrickling filtration of air emissions from painting and wood finishing. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 364-370.	1.6	17
27	Comparison between laboratory and pilot biotrickling filtration of air emissions from painting and wood finishing. , 2010, , 45-50.		1
28	Performance of a Pilot-Scale Biotrickling Filter in Controlling the Volatile Organic Compound Emissions in a Furniture Manufacturing Facility. <i>Journal of the Air and Waste Management Association</i> , 2009, 59, 998-1006.	0.9	32
29	Mathematical modeling of the biofiltration of ethyl acetate and toluene and their mixture. <i>Biochemical Engineering Journal</i> , 2009, 43, 169-177.	1.8	31
30	Evaluation of a combined activated carbon prefilter and biotrickling filter system treating variable ethanol and ethyl acetate gaseous emissions. <i>Engineering in Life Sciences</i> , 2009, 9, 317-323.	2.0	14
31	Biofiltration of toluene in the absence and the presence of ethyl acetate under continuous and intermittent loading. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 643-653.	1.6	31
32	Biofiltration of ethylbenzene vapours: Influence of the packing material. <i>Bioresource Technology</i> , 2008, 99, 269-276.	4.8	55
33	Performance evaluation of a biotrickling filter treating a mixture of oxygenated VOCs during intermittent loading. <i>Chemosphere</i> , 2008, 73, 1533-1539.	4.2	61
34	Long-term performance of peat biofilters treating ethyl acetate, toluene, and its mixture in air. <i>Biotechnology and Bioengineering</i> , 2007, 96, 651-660.	1.7	29
35	Biofiltration of ethyl acetate under continuous and intermittent loading. <i>Environmental Progress</i> , 2007, 26, 327-337.	0.8	14
36	Biological nitrate removal from wastewater of a metal-finishing industry. <i>Journal of Hazardous Materials</i> , 2007, 148, 485-490.	6.5	37

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37	Isobaric Vapor-Liquid Equilibria for the Binary Mixtures of Styrene with Ethylbenzene, o-Xylene, m-Xylene, and p-Xylene. <i>Journal of Chemical & Engineering Data</i> , 2006, 51, 1051-1055.	1.0	23
38	Removal of TEX vapours from air in a peat biofilter: influence of inlet concentration and inlet load. <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 322-328.	1.6	30
39	Catalytic Performance of the New Delaminated ITQ-2 Zeolite for Mild Hydrocracking and Aromatic Hydrogenation Processes. <i>Journal of Catalysis</i> , 2001, 200, 259-269.	3.1	86
40	Densities, refractive indices, and derived excess properties of tert-butyl alcohol, methyl tert-butyl ether and 2-methylpentane binary and ternary systems at 303.15 K. <i>Fluid Phase Equilibria</i> , 2000, 167, 99-111.	1.4	29
41	Alkylation of Benzene with Short-Chain Olefins over MCM-22 Zeolite: Catalytic Behaviour and Kinetic Mechanism. <i>Journal of Catalysis</i> , 2000, 192, 163-173.	3.1	266
42	Isobaric Vapor-Liquid Equilibria for the Binary System 3-Methylpentane + Ethanol and for the Ternary System 2-Methyl-2-propanol + Ethanol + 3-Methylpentane at 101.3 kPa. <i>Journal of Chemical & Engineering Data</i> , 2000, 45, 882-886.	1.0	13
43	Densities, Refractive Indices, and Derived Excess Properties of the Binary Systems Toluene + Isooctane and Methylcyclohexane + Isooctane and the Ternary Systems tert-Butyl Alcohol + Toluene + Isooctane and tert-Butyl Alcohol + Methylcyclohexane + Isooctane at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2000, 45, 518-522.	1.0	16
44	Densities, refractive indices, and derived excess properties of the binary systems tert-butyl alcohol+toluene, +methylcyclohexane, and +isooctane and toluene+methylcyclohexane, and the ternary system tert-butyl alcohol+toluene+methylcyclohexane at 298.15 K. <i>Fluid Phase Equilibria</i> , 1999, 166, 53-65.	1.4	28
45	Vapor-Liquid Equilibria for the Binary Systems Isobutyl Alcohol + Toluene, + Isooctane, and + Methylcyclohexane at 101.3 kPa. <i>Journal of Chemical & Engineering Data</i> , 1999, 44, 608-612.	1.0	13
46	Vapor-Liquid Equilibria for the Binary Systemstert-Butyl Alcohol + Toluene, + Isooctane, and + Methylcyclohexane at 101.3 kPa. <i>Journal of Chemical & Engineering Data</i> , 1999, 44, 148-151.	1.0	21
47	Mild Hydrocracking of Vacuum Gasoil over NiMo-Beta Zeolite Catalysts: The Role of the Location of the NiMo Phases and the Crystallite Size of the Zeolite. <i>Journal of Catalysis</i> , 1998, 179, 537-547.	3.1	85
48	Hydrogenation of Aromatics in Diesel Fuels on Pt/MCM-41 Catalysts. <i>Journal of Catalysis</i> , 1997, 169, 480-489.	3.1	238
49	Hydrocracking of Vacuum Gasoil on the Novel Mesoporous MCM-41 Aluminosilicate Catalyst. <i>Journal of Catalysis</i> , 1995, 153, 25-31.	3.1	373
50	Evaluation of the combo mode operation of a PP membrane module for methane degassing of anaerobic effluents. , 0, , .		0
51	Surface modification of membranes for methane degassing from water: preliminary study on hydrophobicity and performance. , 0, , .		0