

# Christian Kennes

## List of Publications by Citations

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178  
papers

5,111  
citations

42  
h-index

63  
g-index

190  
ext. papers

5,679  
ext. citations

6.9  
avg, IF

6.05  
L-index

#	Paper	IF	Citations
178	Review: Waste gas biotreatment technology. <i>Journal of Chemical Technology and Biotechnology</i> , <b>1998</b> , 72, 303-319	3.5	200
177	Fungal biocatalysts in the biofiltration of VOC-polluted air. <i>Journal of Biotechnology</i> , <b>2004</b> , 113, 305-19	3.7	194
176	Bioprocesses for air pollution control. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2009</b> , 84, 1419-1436	3.5	191
175	Biological conversion of carbon monoxide: rich syngas or waste gases to bioethanol. <i>Biofuels, Bioproducts and Biorefining</i> , <b>2011</b> , 5, 93-114	5.3	159
174	Current advances of VOCs degradation by bioelectrochemical systems: A review. <i>Chemical Engineering Journal</i> , <b>2018</b> , 334, 2625-2637	14.7	135
173	Bioprocesses for the removal of nitrogen oxides from polluted air. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2005</b> , 80, 483-494	3.5	107
172	Bioethanol production from biomass: carbohydrate vs syngas fermentation. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2016</b> , 91, 304-317	3.5	100
171	Carbon monoxide fermentation to ethanol by <i>Clostridium autoethanogenum</i> in a bioreactor with no accumulation of acetic acid. <i>Bioresource Technology</i> , <b>2015</b> , 186, 122-127	11	90
170	Kinetics of inhibition in the biodegradation of monoaromatic hydrocarbons in presence of heavy metals. <i>Bioresource Technology</i> , <b>2001</b> , 78, 181-5	11	89
169	Removal of dichloromethane from waste gases in one- and two-liquid-phase stirred tank bioreactors and biotrickling filters. <i>Water Research</i> , <b>2009</b> , 43, 11-20	12.5	84
168	Mesophilic and thermophilic biotreatment of BTEX-polluted air in reactors. <i>Biotechnology and Bioengineering</i> , <b>2007</b> , 97, 1423-38	4.9	83
167	Phenol biodegradation and its effect on the nitrification process. <i>Water Research</i> , <b>2005</b> , 39, 2915-20	12.5	83
166	Biodegradation of BTEX in a fungal biofilter: influence of operational parameters, effect of shock-loads and substrate stratification. <i>Bioresource Technology</i> , <b>2012</b> , 116, 204-13	11	80
165	Biological conversion of carbon monoxide to ethanol: effect of pH, gas pressure, reducing agent and yeast extract. <i>Bioresource Technology</i> , <b>2012</b> , 114, 518-22	11	80
164	Treatment of gaseous toluene in three biofilters inoculated with fungi/bacteria: Microbial analysis, performance and starvation response. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 303, 83-93	12.8	78
163	Performance optimization of the fungal biodegradation of $\alpha$ -pinene in gas-phase biofilter. <i>Process Biochemistry</i> , <b>2006</b> , 41, 1722-1728	4.8	77
162	Efficient butanol-ethanol (B-E) production from carbon monoxide fermentation by <i>Clostridium carboxidivorans</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2016</b> , 100, 3361-70	5.7	74

161	H-B-E (hexanol-butanol-ethanol) fermentation for the production of higher alcohols from syngas/waste gas. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2017</b> , 92, 712-731	3.5	73
160	Fungal biofiltration of alpha-pinene: effects of temperature, relative humidity, and transient loads. <i>Biotechnology and Bioengineering</i> , <b>2007</b> , 96, 433-43	4.9	73
159	Inert filter media for the biofiltration of waste gases [Characteristics and biomass control. <i>Reviews in Environmental Science and Biotechnology</i> , <b>2002</b> , 1, 201-214	13.9	71
158	Design and performance of biofilters for the removal of alkylbenzene vapors. <i>Journal of Chemical Technology and Biotechnology</i> , <b>1996</b> , 66, 300-304	3.5	69
157	Biofiltration of waste gases with the fungi <i>Exophiala oligosperma</i> and <i>Paecilomyces variotii</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2005</b> , 67, 563-8	5.7	66
156	Biodegradation of gas-phase styrene using the fungus <i>Sporothrix varicibatus</i> : impact of pollutant load and transient operation. <i>Chemosphere</i> , <b>2010</b> , 79, 221-7	8.4	64
155	Isolation and Characterization of Thermophilic Bacteria from Jordanian Hot Springs: and Isolates as Potential Producers of Thermostable Enzymes. <i>International Journal of Microbiology</i> , <b>2017</b> , 2017, 6943952	3.6	61
154	Styrene removal from polluted air in one and two-liquid phase biotrickling filter: steady and transient-state performance and pressure drop control. <i>Bioresource Technology</i> , <b>2011</b> , 102, 6791-800	11	58
153	Hydrodynamic behaviour and comparison of technologies for the removal of excess biomass in gas-phase biofilters. <i>Water Research</i> , <b>2004</b> , 38, 404-13	12.5	58
152	Evaluation of the biomethane potential of solid fish waste. <i>Waste Management</i> , <b>2012</b> , 32, 1347-52	8.6	57
151	Autotrophic deodorization of hydrogen sulfide in a biotrickling filter. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2005</b> , 80, 998-1004	3.5	57
150	Anaerobic digestion of tuna waste for the production of volatile fatty acids. <i>Waste Management</i> , <b>2017</b> , 68, 96-102	8.6	53
149	Co-treatment of hydrogen sulfide and methanol in a single-stage biotrickling filter under acidic conditions. <i>Chemosphere</i> , <b>2007</b> , 68, 1186-93	8.4	53
148	Effects of pH, CO <sub>2</sub> , and flow pattern on the autotrophic degradation of hydrogen sulfide in a biotrickling filter. <i>Biotechnology and Bioengineering</i> , <b>2005</b> , 92, 462-71	4.9	53
147	Palliative therapy of melanoma patients with fotemustine. Inverse relationship between tumour load and treatment effectiveness. A multicentre phase II trial of the EORTC-Melanoma Cooperative Group (MCG). <i>Melanoma Research</i> , <b>1995</b> , 5, 195-200	3.3	53
146	Biodegradation of toluene by the new fungal isolates <i>Paecilomyces variotii</i> and <i>Exophiala oligosperma</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2005</b> , 32, 33-7	4.2	51
145	Anaerobic dechlorination and mineralization of pentachlorophenol and 2,4,6-trichlorophenol by methanogenic pentachlorophenol-degrading granules. <i>Applied Microbiology and Biotechnology</i> , <b>1996</b> , 44, 801-6	5.7	50
144	Biodegradation and effect of formaldehyde and phenol on the denitrification process. <i>Water Research</i> , <b>2005</b> , 39, 449-55	12.5	48

143	Biofiltration of waste gases containing a mixture of formaldehyde and methanol. <i>Applied Microbiology and Biotechnology</i> , <b>2004</b> , 65, 235-42	5.7	48
142	Integrated bioconversion of syngas into bioethanol and biopolymers. <i>Bioresource Technology</i> , <b>2017</b> , 239, 244-249	11	47
141	Modelling the removal of volatile pollutants under transient conditions in a two-stage bioreactor using artificial neural networks. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 324, 100-109	12.8	46
140	Improved operating strategy for continuous fermentation of carbon monoxide to fuel-ethanol by clostridia. <i>Applied Energy</i> , <b>2016</b> , 169, 210-217	10.7	45
139	Two-liquid-phase mesophilic and thermophilic biotrickling filters for the biodegradation of alpha-pinene. <i>Bioresource Technology</i> , <b>2010</b> , 101, 9493-9	11	45
138	Impact of cyclic pH shifts on carbon monoxide fermentation to ethanol by <i>Clostridium autoethanogenum</i> . <i>Fuel</i> , <b>2016</b> , 178, 56-62	7.1	44
137	Performance of a biofilter for the removal of high concentrations of styrene under steady and non-steady state conditions. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 168, 282-90	12.8	43
136	Experimental and neural model analysis of styrene removal from polluted air in a biofilter. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2009</b> , 84, 941-948	3.5	41
135	Biofiltration of mixtures of gas-phase styrene and acetone with the fungus <i>Sporothrix variecibatus</i> . <i>Journal of Hazardous Materials</i> , <b>2010</b> , 184, 204-214	12.8	40
134	Production of chemicals from C1 gases (CO, CO) by <i>Clostridium carboxidivorans</i> . <i>World Journal of Microbiology and Biotechnology</i> , <b>2017</b> , 33, 43	4.4	39
133	Removal of formaldehyde, methanol, dimethylether and carbon monoxide from waste gases of synthetic resin-producing industries. <i>Chemosphere</i> , <b>2008</b> , 70, 1357-65	8.4	38
132	Valorization of sewage sludge for volatile fatty acids production and role of microbiome on acidogenic fermentation. <i>Bioresource Technology</i> , <b>2019</b> , 291, 121817	11	37
131	Biofilter performance and characterization of a biocatalyst degrading alkylbenzene gases. <i>Biodegradation</i> , <b>1999</b> , 10, 169-76	4.1	37
130	Parameters affecting performance and modeling of biofilters treating alkylbenzene-polluted air. <i>Applied Microbiology and Biotechnology</i> , <b>2001</b> , 55, 254-8	5.7	36
129	Performance of a thermophilic gas-phase biofilter treating high BTEX loads under steady- and transient-state operation. <i>International Biodeterioration and Biodegradation</i> , <b>2017</b> , 119, 289-298	4.8	35
128	Performance of a fungal monolith bioreactor for the removal of styrene from polluted air. <i>Bioresource Technology</i> , <b>2010</b> , 101, 2608-15	11	35
127	Treatment of gas-phase methanol in conventional biofilters packed with lava rock. <i>Water Research</i> , <b>2005</b> , 39, 2385-93	12.5	35
126	Styrene removal in a biotrickling filter and a combined UVBiotrickling filter: Steady- and transient-state performance and microbial analysis. <i>Chemical Engineering Journal</i> , <b>2015</b> , 275, 168-178	14.7	34

125	Optimization of nutrient supply in a downflow gas-phase biofilter packed with an inert carrier. <i>Applied Microbiology and Biotechnology</i> , <b>2002</b> , 59, 567-73	5.7	33
124	One-stage biotrickling filter for the removal of a mixture of volatile pollutants from air: performance and microbial community analysis. <i>Bioresource Technology</i> , <b>2013</b> , 138, 245-52	11	32
123	Carbon monoxide bioconversion to butanol-ethanol by <i>Clostridium carboxidivorans</i> : kinetics and toxicity of alcohols. <i>Applied Microbiology and Biotechnology</i> , <b>2016</b> , 100, 4231-40	5.7	32
122	Bioplastic production using wood mill effluents as feedstock. <i>Water Science and Technology</i> , <b>2011</b> , 63, 1196-202	2.2	31
121	Steady- and transient-state operation of a two-stage bioreactor for the treatment of a gaseous mixture of hydrogen sulphide, methanol and pinene. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2010</b> , 85, 336-348	3.5	30
120	Citrate metabolism by <i>Lactobacillus plantarum</i> isolated from orange juice. <i>Journal of Applied Bacteriology</i> , <b>1991</b> , 70, 380-384		30
119	Selective anaerobic fermentation of syngas into either C-C organic acids or ethanol and higher alcohols. <i>Bioresource Technology</i> , <b>2019</b> , 280, 387-395	11	30
118	Removal of methanol from air in a low-pH trickling monolith bioreactor. <i>Process Biochemistry</i> , <b>2008</b> , 43, 925-931	4.8	29
117	Simultaneous nitrification and formaldehyde biodegradation in an activated sludge unit. <i>Bioresource Technology</i> , <b>2005</b> , 96, 1914-8	11	29
116	Optimization of polyhydroxyalkanoate storage using mixed cultures and brewery wastewater. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2016</b> , 91, 2817-2826	3.5	29
115	Development of a novel monolith-bioreactor for the treatment of VOC-polluted air. <i>Environmental Technology (United Kingdom)</i> , <b>2006</b> , 27, 1271-7	2.6	28
114	Formaldehyde and urea removal in a denitrifying granular sludge blanket reactor. <i>Water Research</i> , <b>2004</b> , 38, 3495-502	12.5	28
113	Production of acids and alcohols from syngas in a two-stage continuous fermentation process. <i>Bioresource Technology</i> , <b>2018</b> , 253, 227-234	11	27
112	Enrichment of a solventogenic anaerobic sludge converting carbon monoxide and syngas into acids and alcohols. <i>Bioresource Technology</i> , <b>2019</b> , 272, 130-136	11	27
111	Effect of pH control on the anaerobic H-B-E fermentation of syngas in bioreactors. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2017</b> , 92, 1178-1185	3.5	26
110	Methanogenic degradation of p-cresol in batch and in continuous UASB reactors. <i>Water Research</i> , <b>1997</b> , 31, 1549-1554	12.5	26
109	Combined post-ozonation and biological treatment of recalcitrant wastewater from a resin-producing factory. <i>Journal of Hazardous Materials</i> , <b>2007</b> , 143, 285-90	12.8	26
108	Simultaneous biodegradation of p-cresol and phenol by the basidiomycete <i>Phanerochaete chrysosporium</i> . <i>Journal of Industrial Microbiology</i> , <b>1994</b> , 13, 311-4		26

107	Trophic relationships between <i>Saccharomyces cerevisiae</i> and <i>Lactobacillus plantarum</i> and their metabolism of glucose and citrate. <i>Applied and Environmental Microbiology</i> , <b>1991</b> , 57, 1046-51	4.8	26
106	Solventogenesis in <i>Clostridium aceticum</i> producing high concentrations of ethanol from syngas. <i>Bioresource Technology</i> , <b>2019</b> , 292, 121941	11	25
105	Improved biodegradation potential of chlorobenzene by a mixed fungal-bacterial consortium. <i>International Biodeterioration and Biodegradation</i> , <b>2017</b> , 123, 276-285	4.8	25
104	Combined biological and physicochemical waste-gas cleaning techniques. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2012</b> , 47, 920-39	2.3	25
103	Characterization of absorbent polymers for the removal of volatile hydrophobic pollutants from air. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2011</b> , 86, 47-53	3.5	25
102	Effect of key parameters on the removal of formaldehyde and methanol in gas-phase biotrickling filters. <i>Journal of Hazardous Materials</i> , <b>2006</b> , 138, 543-8	12.8	25
101	Conventional Biofilters. <i>Environmental Pollution</i> , <b>2001</b> , 47-98	0	25
100	The SHARON process in the treatment of landfill leachate. <i>Water Science and Technology</i> , <b>2010</b> , 61, 47-52.2		24
99	Two-stage gas-phase bioreactor for the combined removal of hydrogen sulphide, methanol and alpha-pinene. <i>Environmental Technology (United Kingdom)</i> , <b>2009</b> , 30, 1261-72	2.6	24
98	Ethanol and acetic acid production from carbon monoxide in a <i>Clostridium</i> strain in batch and continuous gas-fed bioreactors. <i>International Journal of Environmental Research and Public Health</i> , <b>2015</b> , 12, 1029-43	4.6	23
97	Formaldehyde biodegradation and its inhibitory effect on nitrification. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2004</b> , 79, 499-504	3.5	22
96	Degradation of major compounds of creosotes (PAH and phenols) by <i>Phanerochaete chrysosporium</i> . <i>Biotechnology Letters</i> , <b>1994</b> , 16, 759-764	3	22
95	Neural network models for biological waste-gas treatment systems. <i>New Biotechnology</i> , <b>2011</b> , 29, 56-73	6.4	21
94	Optimization of the treatment of carbon monoxide-polluted air in biofilters. <i>Chemosphere</i> , <b>2009</b> , 74, 332-7	8.4	21
93	Effect of pH, yeast extract and inorganic carbon on chain elongation for hexanoic acid production. <i>Bioresource Technology</i> , <b>2020</b> , 300, 122659	11	21
92	Glucose bioconversion profile in the syngas-metabolizing species <i>Clostridium carboxidivorans</i> . <i>Bioresource Technology</i> , <b>2017</b> , 244, 552-559	11	20
91	Effect of oil concentration and residence time on the biodegradation of alpha-pinene vapours in two-liquid phase suspended-growth bioreactors. <i>Journal of Biotechnology</i> , <b>2012</b> , 157, 554-63	3.7	20
90	Waste gas treatment in bioreactors: environmental engineering aspects This article is one of a selection of papers published in this Special Issue on Biological Air Treatment.. <i>Canadian Journal of Civil Engineering</i> , <b>2009</b> , 36, 1887-1894	1.3	20

89	Cheese whey fermentation into volatile fatty acids in an anaerobic sequencing batch reactor. <i>Bioresource Technology</i> , <b>2020</b> , 308, 123226	11	19
88	Biogas Technologies and Cleaning Techniques. <i>Environmental Chemistry for A Sustainable World</i> , <b>2012</b> , 347-377	0.8	18
87	Biofiltration of waste gases in a reactor with a split-feed. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2003</b> , 78, 703-708	3.5	17
86	Differences of cell surface characteristics between the bacterium <i>Pseudomonas veronii</i> and fungus <i>Ophiostoma stenoceras</i> and their different adsorption properties to hydrophobic organic compounds. <i>Science of the Total Environment</i> , <b>2019</b> , 650, 2095-2106	10.2	17
85	Volatile fatty acids production from cheese whey: influence of pH, solid retention time and organic loading rate. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2018</b> , 93, 1742-1747	3.5	16
84	An innovative nutritional slow-release packing material with functional microorganisms for biofiltration: Characterization and performance evaluation. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 366, 16-26	12.8	15
83	Influence of electron acceptors on hexanoic acid production by <i>Clostridium kluyveri</i> . <i>Journal of Environmental Management</i> , <b>2019</b> , 242, 515-521	7.9	14
82	Performance Evaluation and Neural Modeling of Gas-Phase Styrene Removal in One- and Two-Liquid Phase Suspended-Growth Bioreactors. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 6485-6495	3.9	14
81	Methanogenic and perchloroethylene-dechlorinating activity of anaerobic granular sludge. <i>Applied Microbiology and Biotechnology</i> , <b>1998</b> , 50, 484-8	5.7	14
80	<b>2013</b> ,		14
79	Organic loading rate effect on the acidogenesis of cheese whey: a comparison between UASB and SBR reactors. <i>Environmental Technology (United Kingdom)</i> , <b>2018</b> , 39, 3046-3054	2.6	13
78	A composite microbial agent containing bacterial and fungal species: Optimization of the preparation process, analysis of characteristics, and use in the purification for volatile organic compounds. <i>Bioresource Technology</i> , <b>2016</b> , 218, 751-60	11	13
77	Optimization of the landfill leachate treatment by the Fenton process. <i>Water and Environment Journal</i> , <b>2013</b> , 27, 120-126	1.7	13
76	Valuable product production from wood mill effluents. <i>Water Science and Technology</i> , <b>2010</b> , 62, 2294-300.2		13
75	Transient-state studies and neural modeling of the removal of a gas-phase pollutant mixture in a biotrickling filter. <i>Journal of Hazardous Materials</i> , <b>2014</b> , 269, 45-55	12.8	12
74	A comparative study of physical and chemical processes for removal of biomass in biofilters. <i>Molecules</i> , <b>2011</b> , 16, 6927-49	4.8	12
73	Effect of phenol on the biological treatment of wastewaters from a resin producing industry. <i>Bioresource Technology</i> , <b>2008</b> , 99, 3507-12	11	12
72	Mineralization of dichloromethane using solar-oxidation and activated TiO <sub>2</sub> : Pilot scale study. <i>Solar Energy</i> , <b>2018</b> , 172, 116-127	6.8	11

71	Steady- and transient-state performance of a thermophilic suspended-growth bioreactor for $\alpha$ -pinene removal from polluted air. <i>Chemosphere</i> , <b>2013</b> , 93, 2914-21	8.4	10
70	Treatment of waste gas contaminated with dichloromethane using photocatalytic oxidation, biodegradation and their combinations. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 405, 123735	12.8	10
69	Removal of volatile sulfur compounds by solar advanced oxidation technologies and bioprocesses. <i>Solar Energy</i> , <b>2016</b> , 135, 348-358	6.8	9
68	Effect of tungsten and selenium on C gas bioconversion by an enriched anaerobic sludge and microbial community analysis. <i>Chemosphere</i> , <b>2020</b> , 250, 126105	8.4	8
67	Fermentation of citrate by <i>Lactobacillus plantarum</i> in the presence of a yeast under acid conditions. <i>Applied Microbiology and Biotechnology</i> , <b>1991</b> , 35, 369-372	5.7	8
66	Valorization of sewage sludge in co-digestion with cheese whey to produce volatile fatty acids. <i>Waste Management</i> , <b>2020</b> , 118, 541-551	8.6	8
65	Effect of salinity on C1-gas fermentation by <i>Clostridium carboxidivorans</i> producing acids and alcohols. <i>AMB Express</i> , <b>2019</b> , 9, 110	4.1	7
64	Non-Biological Treatment Technologies. <i>Environmental Pollution</i> , <b>2001</b> , 17-46	0	7
63	Optimization of the performance of a thermophilic biotrickling filter for $\alpha$ -pinene removal from polluted air. <i>Environmental Technology (United Kingdom)</i> , <b>2014</b> , 35, 2466-75	2.6	6
62	Bioethanol <b>2013</b> , 431-463		6
61	Influence of polymeric materials on the performance of a mesophilic biotrickling filter treating an $\alpha$ -pinene contaminated gas stream. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2015</b> , 90, 658-668	3.5	6
60	Kinetics of growth of <i>Lactobacillus plantarum</i> with glucose, organic acids (malate, citrate, acetate) and ethanol. <i>Biotechnology Letters</i> , <b>1995</b> , 17, 899-904	3	6
59	Efficient production of n-caproate from syngas by a co-culture of <i>Clostridium aceticum</i> and <i>Clostridium kluyveri</i> . <i>Journal of Environmental Management</i> , <b>2022</b> , 302, 113992	7.9	6
58	Syngas Fermentation for Bioethanol and Bioproducts <b>2019</b> , 207-221		5
57	Biofilters <b>2013</b> , 57-119		5
56	Biohydrogen <b>2013</b> , 345-381		5
55	Novel Bioreactors for Waste Gas Treatment. <i>Environmental Chemistry for A Sustainable World</i> , <b>2012</b> , 121-130	1.80	5
54	Fundamentals of Air Pollution. <i>Environmental Pollution</i> , <b>2001</b> , 3-15	0	5



53	Co-digestion of cheese whey with sewage sludge for caproic acid production: Role of microbiome and polyhydroxyalkanoates potential production. <i>Bioresource Technology</i> , <b>2021</b> , 337, 125388	11	5
52	Valorization of agro-industrial wastes to produce volatile fatty acids: combined effect of substrate/inoculum ratio and initial alkalinity. <i>Environmental Technology (United Kingdom)</i> , <b>2021</b> , 42, 3889-3899 <sup>4</sup>	2.6	4
51	Influence of solid polymers on the response of multi-phase bioreactors treating $\alpha$ -pinene-polluted air. <i>New Biotechnology</i> , <b>2014</b> , 31, 475-81	6.4	4
50	Desulfurization of Biogas in Biotrickling Filters <b>2013</b> , 513-523		4
49	Use of styrene as sole carbon source by the fungus <i>Exophiala oligosperma</i> : optimization and modeling of biodegradation, pathway elucidation, and cell membrane composition. <i>Applied Biochemistry and Biotechnology</i> , <b>2012</b> , 168, 1351-71	3.2	4
48	Formaldehyde biodegradation in the presence of methanol under denitrifying conditions. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2006</b> , 81, 312-317	3.5	4
47	Selective butanol production from carbon monoxide by an enriched anaerobic culture. <i>Science of the Total Environment</i> , <b>2022</b> , 806, 150579	10.2	4
46	Autotrophic (C-gas) versus heterotrophic (fructose) accumulation of acetic acid and ethanol in <i>Clostridium aceticum</i> . <i>Bioresource Technology</i> , <b>2021</b> , 337, 125485	11	4
45	Review: Waste gas biotreatment technology <b>1998</b> , 72, 303		4
44	Catalytic Biodiesel Production <b>2013</b> , 383-397		3
43	Bioprocesses for the Removal of Volatile Sulfur Compounds from Gas Streams <b>2013</b> , 247-274		3
42	Biodegradation of Mono-Aromatic Hydrocarbons by Fungi. <i>Environmental Science and Engineering</i> , <b>2012</b> , 177-188	0.2	3
41	Bioproducts generation from carboxylate platforms by the non-conventional yeast <i>Yarrowia lipolytica</i> . <i>FEMS Yeast Research</i> , <b>2021</b> , 21,	3.1	3
40	Bioscrubbers <b>2013</b> , 139-153		2
39	Biotrickling Filters for Removal of Volatile Organic Compounds from Air in the Coating Sector <b>2013</b> , 485-496		2
38	Rotating Biological Contactors <b>2013</b> , 207-220		2
37	Biodegradation and Bioconversion of Volatile Pollutants <b>2013</b> , 19-30		2
36	Biotrickling Filters <b>2013</b> , 121-138		2

35	Biotreatment of gas-phase VOC mixtures from fibreglass and composite manufacturing industry. <i>Journal of Biotechnology</i> , <b>2010</b> , 150, 218-219	3.7	2
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