

Erick J Vandamme

List of Publications by Year in descending order

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47
papers

1,867
citations

489802

18
h-index

445137

33
g-index

69
all docs

69
docs citations

69
times ranked

2514
citing authors

#	ARTICLE	IF	CITATIONS
1	Professor Arnold L. (Arny) Demain's historical position in the rise of industrial microbiology and biotechnology. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2021, , .	1.4	2
2	Introduction and Commentaries for the Special Issue: "Arnold L. Demain - a Life Lived". <i>Journal of Industrial Microbiology and Biotechnology</i> , 2021, , .	1.4	1
3	Introduction to Special Issue on "Frontiers in Industrial Microbiology and Biotechnology 2020". <i>Journal of Industrial Microbiology and Biotechnology</i> , 2020, 47, 621-622.	1.4	0
4	A century of bacteriophage research and applications: impacts on biotechnology, health, ecology and the economy!. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 323-342.	1.6	27
5	Introduction to the Special Issue: "Arnold Demain" Industrial Microbiologist Extraordinaire". <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017, 44, 503-503.	1.4	2
6	Microbial biotechnology for the synthesis of (pro)vitamins, biopigments and antioxidants: challenges and opportunities. <i>Microbial Biotechnology</i> , 2016, 9, 564-567.	2.0	39
7	Phage therapy and phage control: to be revisited urgently!!. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 329-333.	1.6	19
8	Resource Technology - a challenge for scientists and engineers. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 1299-1300.	1.6	7
9	Agro-Industrial Residue Utilization for Industrial Biotechnology Products. , 2009, , 3-11.		13
10	Optimization of Ectoine Synthesis through Fed-Batch Fermentation of <i>Brevibacterium epidermis</i> . <i>Biotechnology Progress</i> , 2008, 21, 1206-1212.	1.3	54
11	Optimization of sucrose phosphorylase production by <i>Leuconostoc mesenteroides</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2007, 39, 251-262.	1.6	3
12	Fermentation patterns of gramicidin S formation by <i>Bacillus brevis</i> ATCC 9999 in high-yielding synthetic medium. <i>Journal of Chemical Technology and Biotechnology</i> , 2007, 31, 765-774.	0.2	0
13	The Genus <i>Gluconobacter Oxydans</i> : Comprehensive Overview of Biochemistry and Biotechnological Applications. <i>Critical Reviews in Biotechnology</i> , 2007, 27, 147-171.	5.1	129
14	The impact of industrial biotechnology. <i>Biotechnology Journal</i> , 2006, 1, 756-769.	1.8	84
15	<i>Leuconostoc</i> dextransucrase and dextran: production, properties and applications. <i>Journal of Chemical Technology and Biotechnology</i> , 2005, 80, 845-860.	1.6	350
16	<i>Gluconobacter oxydans</i> NAD-dependent, D-fructose reducing, polyol dehydrogenases activity: screening, medium optimisation and application for enzymatic polyol production. <i>Biotechnology Letters</i> , 2005, 27, 305-311.	1.1	6
17	Industrial importance of the genus <i>Brevibacterium</i> . <i>Biotechnology Letters</i> , 2005, 27, 527-533.	1.1	27
18	Dextran dextrinase and dextran of <i>Gluconobacter oxydans</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2005, 32, 323-334.	1.4	35

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19	Enzymatic production of D-mannitol with the <i>Leuconostoc pseudomesenteroides</i> mannitol dehydrogenase coupled to a coenzyme regeneration system. <i>Biocatalysis and Biotransformation</i> , 2005, 23, 1-7.	1.1	14
20	Ectoine accumulation in <i>Brevibacterium epidermis</i> . <i>Biotechnology Letters</i> , 2004, 26, 1481-1485.	1.1	24
21	Multiple forms of microbial enzymes. <i>Biotechnology Letters</i> , 2003, 25, 1119-1124.	1.1	19
22	Bioflavours and fragrances via fermentation and biocatalysis. <i>Journal of Chemical Technology and Biotechnology</i> , 2002, 77, 1323-1332.	1.6	146
23	Transglucosylation and Hydrolysis Activity of <i>Gluconobacter oxydans</i> Dextran Dextrinase with Several Donor and Acceptor Substrates. , 2001, , 195-203.		4
24	Optimized synthesis of L-sorbose by C5-dehydrogenation of D-sorbitol with <i>Gluconobacter oxydans</i> . <i>Biotechnology and Bioengineering</i> , 2000, 69, 339-343.	1.7	41
25	L-Fucose: occurrence, physiological role, chemical, enzymatic and microbial synthesis. <i>Journal of Chemical Technology and Biotechnology</i> , 1999, 74, 479-497.	1.6	78
26	Production of Alternansucrase by <i>Leuconostoc mesenteroides</i> NRRL B-1355 in Batch Fermentation with Controlled pH and Dissolved Oxygen. <i>Journal of Chemical Technology and Biotechnology</i> , 1997, 69, 470-478.	1.6	9
27	Specific organic acids enhance the D-ribose productivity of a transketolase-defective <i>Bacillus subtilis</i> strain. <i>Journal of Chemical Technology and Biotechnology</i> , 1997, 70, 311-315.	1.6	2
28	Improved Cellulose Formation by an <i>Acetobacter xylinum</i> Mutant Limited in (Keto)Gluconate Synthesis. <i>Journal of Chemical Technology and Biotechnology</i> , 1996, 67, 376-380.	1.6	63
29	Pectin, Pectinase, and Protopectinase: Production, Properties, and Applications. <i>Advances in Applied Microbiology</i> , 1993, 39, 213-294.	1.3	291
30	Production of vitamins, coenzymes and related biochemicals by biotechnological processes. <i>Journal of Chemical Technology and Biotechnology</i> , 1992, 53, 313-327.	1.6	99
31	Two-step fermentation process for improved xanthan production by <i>Xanthomonas campestris</i> NRRL 459. <i>Journal of Chemical Technology and Biotechnology</i> , 1987, 39, 263-273.	1.6	52
32	Production and properties of <i>Aspergillus niger</i> inulinase. <i>Journal of Chemical Technology and Biotechnology</i> , 1984, 34, 45-51.	0.2	38
33	Cellulolytic properties of <i>Chaetomium crispatum</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 1983, 33, 107-113.	0.2	6
34	Improved cellulolytic activity of actinomycetes in axenic mixed fermentations. <i>Journal of Chemical Technology and Biotechnology</i> , 1982, 32, 735-743.	0.2	5
35	Cellulase activity of a thermophilic <i>Aspergillus fumigatus</i> (fresenius) strain. <i>Journal of Chemical Technology and Biotechnology</i> , 1982, 32, 968-974.	0.2	16
36	Use of microbial enzyme and cell preparations to synthesise oligopeptide antibiotics. <i>Journal of Chemical Technology and Biotechnology</i> , 1981, 31, 637-659.	0.2	2

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37	Antibiotics from the newly isolated <i>Streptomyces elizabethii</i> . I. Production of a polyene antifungal agent (Elizabethin) and actinomycin in shake flask cultures. <i>Journal of Chemical Technology and Biotechnology</i> , 1981, 31, 167-177.	0.2	1
38	Biofuels in Perspective. , 0, , 1-8.		14
39	Biomass Digestion to Methane in Agriculture: A Successful Pathway for the Energy Production and Waste Treatment Worldwide. , 0, , 171-195.		11
40	Biological Hydrogen Production by Anaerobic Microorganisms. , 0, , 197-221.		32
41	Improving Sustainability of the Corn-Ethanol Industry. , 0, , 223-234.		2
42	Sustainable Production of Cellulosic Feedstock for Biorefineries in the USA. , 0, , 9-38.		1
43	Bio-Ethanol Development in the USA. , 0, , 39-54.		3
44	Bio-Ethanol Development(s) in Brazil. , 0, , 55-75.		1
45	Process Technologies for Biodiesel Production. , 0, , 77-93.		5
46	Enzymatic Production of Biodiesel. , 0, , 129-151.		3
47	Production of Biodiesel from Waste Lipids. , 0, , 153-170.		3