

Charles L Cooney

List of Publications by Year in descending order

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37
papers

2,481
citations

279487

23
h-index

329751

37
g-index

40
all docs

40
docs citations

40
times ranked

1528
citing authors

#	ARTICLE	IF	CITATIONS
1	Professor Daniel I.C. Wang: A Legacy of Education, Innovation, Publication, and Leadership. <i>Biotechnology and Bioengineering</i> , 2020, 117, 3615-3627.	1.7	4
2	Preface to the republication of the 2006 review article, "Professor Daniel I. C. Wang: A Legacy of Education, Innovation, Publication, and Leadership" • <i>Biotechnology and Bioengineering</i> , 2020, 117, 3614-3614.	1.7	1
3	Why We Need Continuous Pharmaceutical Manufacturing and How to Make It Happen. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 3521-3523.	1.6	75
4	Quantification of Lubricant Activity of Magnesium Stearate by Atomic Force Microscopy. <i>Drug Development and Industrial Pharmacy</i> , 2008, 34, 1097-1099.	0.9	11
5	Professor Daniel I.C. Wang: A legacy of education, innovation, publication, and leadership. <i>Biotechnology and Bioengineering</i> , 2006, 95, 206-217.	1.7	5
6	Continuous Desulfurization of Dibenzothiophene with <i>Rhodococcus rhodochrous</i> IGTS8 (ATCC) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5	1.3	37
7	Real time and noninvasive monitoring of dry powder blend homogeneity. <i>AIChE Journal</i> , 2001, 47, 2618-2622.	1.8	68
8	Immobilization of oligonucleotides on a large pore support for plasmid purification by triplex affinity interaction. , 1999, 7, 319-328.		7
9	Effects of Oxygen on Recombinant Protein Expression. <i>Biotechnology Progress</i> , 1998, 14, 393-409.	1.3	73
10	Active learning from process data. <i>AIChE Journal</i> , 1998, 44, 2199-2211.	1.8	19
11	Pyranose Ring Flexibility. Mapping of Physical Data for Iduronate in Continuous Conformational Space. <i>Journal of the American Chemical Society</i> , 1998, 120, 2099-2107.	6.6	54
12	Process simulation for recombinant protein production: Cost estimation and sensitivity analysis for heparinase I expressed in <i>Escherichia coli</i> . , 1997, 53, 575-582.		37
13	Heparinase I from <i>Flavobacterium heparinum</i> . Identification of a Critical Histidine Residue Essential for Catalysis As Probed by Chemical Modification and Site-Directed Mutagenesis•. <i>Biochemistry</i> , 1996, 35, 6846-6852.	1.2	33
14	Axial dispersion in Taylor-Couette flow. <i>AIChE Journal</i> , 1995, 41, 723-727.	1.8	47
15	Continuous monitoring of nitrogenase activity in <i>Azotobacter vinelandii</i> fermentation using off-gas mass spectrometry. <i>Biotechnology and Bioengineering</i> , 1995, 47, 373-383.	1.7	4
16	Enzymatic Degradation of Glycosaminoglycans. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 1995, 30, 387-444.	2.3	360
17	Design and evaluation of control strategies for high cell density fermentations. <i>Biotechnology and Bioengineering</i> , 1992, 39, 293-304.	1.7	94
18	Model of oxygen transport limitations in hollow fiber bioreactors. <i>Biotechnology and Bioengineering</i> , 1991, 37, 80-92.	1.7	113

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19	Quantitative description of ultrafiltration in a rotating filtration device. <i>AIChE Journal</i> , 1991, 37, 1219-1226.	1.8	102
20	Mammalian cell and protein distributions in ultrafiltration hollow fiber bioreactors. <i>Biotechnology and Bioengineering</i> , 1990, 36, 902-910.	1.7	72
21	Effect of pressure on an enzymatic reaction in a supercritical fluid. <i>AIChE Journal</i> , 1990, 36, 299-301.	1.8	118
22	CLATHRATE HYDRATE FORMATION ENHANCES NEAR-CRITICAL AND SUPERCRITICAL SOLVENT EXTRACTION EQUILIBRIA. <i>Chemical Engineering Communications</i> , 1990, 95, 47-55.	1.5	7
23	PRODUCTION OF ACETIC ACID FROM HYDROGEN AND CARBON DIOXIDE BY CLOSTRIDIUM SPECIES ATCC 29797. <i>Chemical Engineering Communications</i> , 1986, 45, 61-73.	1.5	13
24	Growth monitoring and control through computer-aided on-line mass balancing in a fed-batch penicillin fermentation. <i>Biotechnology and Bioengineering</i> , 1983, 25, 225-255.	1.7	113
25	Growth monitoring and control in complex medium: A case study employing fed-batch penicillin fermentation and computer-aided on-line mass balancing. <i>Biotechnology and Bioengineering</i> , 1983, 25, 257-269.	1.7	48
26	Strategies for Optimizing Microbial Growth and Product Formation. <i>ACS Symposium Series</i> , 1983, , 179-198.	0.5	6
27	Single-cell protein production from spent sulfite liquor utilizing cell-recycle and computer monitoring. <i>Biotechnology and Bioengineering</i> , 1981, 23, 2105-2116.	1.7	20
28	Measurement of cell mass concentration with a continuous-flow viscometer. <i>Biotechnology and Bioengineering</i> , 1979, 21, 519-523.	1.7	29
29	Computer control of bakers' yeast production. <i>Biotechnology and Bioengineering</i> , 1979, 21, 975-995.	1.7	151
30	Computer-aided material balancing for prediction of fermentation parameters. <i>Biotechnology and Bioengineering</i> , 1977, 19, 55-67.	1.7	231
31	Computer-aided baker's yeast fermentations. <i>Biotechnology and Bioengineering</i> , 1977, 19, 69-86.	1.7	198
32	Transient response of <i>Enterobacter aerogenes</i> under a dual nutrient limitation in a chemostat. <i>Biotechnology and Bioengineering</i> , 1976, 18, 189-198.	1.7	22
33	Application of dynamic calorimetry for monitoring fermentation processes. <i>Biotechnology and Bioengineering</i> , 1976, 18, 1371-1392.	1.7	82
34	Thermophilic anaerobic digestion of cellulosic waste. <i>European Journal of Applied Microbiology</i> , 1975, 2, 65-72.	0.9	11
35	Thermophilic Anaerobic Digestion of Solid Waste for Fuel Gas Production. <i>Biotechnology and Bioengineering</i> , 1975, 17, 1119-1135.	1.7	109
36	Enzyme catalysis in the presence of nonaqueous solvents using chloroperoxidase. <i>Biotechnology and Bioengineering</i> , 1974, 16, 1045-1053.	1.7	28

#	ARTICLE	IF	CITATIONS
37	Thermophilic Mixed Culture of Bacteria Utilizing Methanol for Growth. Applied Microbiology, 1974, 27, 1112-1117.	0.6	11