

# Charles L Cooney

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

2,481  
citations

279798

23  
h-index

330143

37  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1528  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enzymatic Degradation of Glycosaminoglycans. Critical Reviews in Biochemistry and Molecular Biology, 1995, 30, 387-444.	5.2	360
2	Computer-aided material balancing for prediction of fermentation parameters. Biotechnology and Bioengineering, 1977, 19, 55-67.	3.3	231
3	Computer-aided baker's yeast fermentations. Biotechnology and Bioengineering, 1977, 19, 69-86.	3.3	198
4	Computer control of bakers' yeast production. Biotechnology and Bioengineering, 1979, 21, 975-995.	3.3	151
5	Effect of pressure on an enzymatic reaction in a supercritical fluid. AIChE Journal, 1990, 36, 299-301.	3.6	118
6	Growth monitoring and control through computer-aided on-line mass balancing in a fed-batch penicillin fermentation. Biotechnology and Bioengineering, 1983, 25, 225-255.	3.3	113
7	Model of oxygen transport limitations in hollow fiber bioreactors. Biotechnology and Bioengineering, 1991, 37, 80-92.	3.3	113
8	Thermophilic Anaerobic Digestion of Solid Waste for Fuel Gas Production. Biotechnology and Bioengineering, 1975, 17, 1119-1135.	3.3	109
9	Quantitative description of ultrafiltration in a rotating filtration device. AIChE Journal, 1991, 37, 1219-1226.	3.6	102
10	Design and evaluation of control strategies for high cell density fermentations. Biotechnology and Bioengineering, 1992, 39, 293-304.	3.3	94
11	Application of dynamic calorimetry for monitoring fermentation processes. Biotechnology and Bioengineering, 1976, 18, 1371-1392.	3.3	82
12	Why We Need Continuous Pharmaceutical Manufacturing and How to Make It Happen. Journal of Pharmaceutical Sciences, 2019, 108, 3521-3523.	3.3	75
13	Effects of Oxygen on Recombinant Protein Expression. Biotechnology Progress, 1998, 14, 393-409.	2.6	73
14	Mammalian cell and protein distributions in ultrafiltration hollow fiber bioreactors. Biotechnology and Bioengineering, 1990, 36, 902-910.	3.3	72
15	Real time and noninvasive monitoring of dry powder blend homogeneity. AIChE Journal, 2001, 47, 2618-2622.	3.6	68
16	Pyranose Ring Flexibility. Mapping of Physical Data for Iduronate in Continuous Conformational Space. Journal of the American Chemical Society, 1998, 120, 2099-2107.	13.7	54
17	Growth monitoring and control in complex medium: A case study employing fed-batch penicillin fermentation and computer-aided on-line mass balancing. Biotechnology and Bioengineering, 1983, 25, 257-269.	3.3	48
18	Axial dispersion in Taylor-Couette flow. AIChE Journal, 1995, 41, 723-727.	3.6	47

#	ARTICLE	IF	CITATIONS
19	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
20	Continuous Desulfurization of Dibenzothiophene with <i>Rhodococcus rhodochrous</i> IGTS8 (ATCC) Tj ETQq0 0 0 rgBT JOverlock 10 Tf 50 70	2.6	37
21	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.	2.5	33
22	Measurement of cell mass concentration with a continuous-flow viscometer. <i>Biotechnology and Bioengineering</i> , 1979, 21, 519-523.	3.3	29
23	Enzyme catalysis in the presence of nonaqueous solvents using chloroperoxidase. <i>Biotechnology and Bioengineering</i> , 1974, 16, 1045-1053.	3.3	28
24	Transient response of <i>Enterobacter aerogenes</i> under a dual nutrient limitation in a chemostat. <i>Biotechnology and Bioengineering</i> , 1976, 18, 189-198.	3.3	22
25	Single-cell protein production from spent sulfite liquor utilizing cell-recycle and computer monitoring. <i>Biotechnology and Bioengineering</i> , 1981, 23, 2105-2116.	3.3	20
26	Active learning from process data. <i>AIChE Journal</i> , 1998, 44, 2199-2211.	3.6	19
27	PRODUCTION OF ACETIC ACID FROM HYDROGEN AND CARBON DIOXIDE BY <i>CLOSTRIDIUM SPECIES</i> ATCC 29797. <i>Chemical Engineering Communications</i> , 1986, 45, 61-73.	2.6	13
28	Thermophilic anaerobic digestion of cellulosic waste. <i>European Journal of Applied Microbiology</i> , 1975, 2, 65-72.	0.9	11
29	Quantification of Lubricant Activity of Magnesium Stearate by Atomic Force Microscopy. <i>Drug Development and Industrial Pharmacy</i> , 2008, 34, 1097-1099.	2.0	11
30	Thermophilic Mixed Culture of Bacteria Utilizing Methanol for Growth. <i>Applied Microbiology</i> , 1974, 27, 1112-1117.	0.6	11
31	CLATHRATE HYDRATE FORMATION ENHANCES NEAR-CRITICAL AND SUPERCRITICAL SOLVENT EXTRACTION EQUILIBRIA. <i>Chemical Engineering Communications</i> , 1990, 95, 47-55.	2.6	7
32	Immobilization of oligonucleotides on a large pore support for plasmid purification by triplex affinity interaction. , 1999, 7, 319-328.		7
33	Strategies for Optimizing Microbial Growth and Product Formation. <i>ACS Symposium Series</i> , 1983, , 179-198.	0.5	6
34	Professor Daniel I.C. Wang: A legacy of education, innovation, publication, and leadership. <i>Biotechnology and Bioengineering</i> , 2006, 95, 206-217.	3.3	5
35	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.	3.3	4
36	Professor Daniel I.C. Wang: A Legacy of Education, Innovation, Publication, and Leadership. <i>Biotechnology and Bioengineering</i> , 2020, 117, 3615-3627.	3.3	4

#	ARTICLE	IF	CITATIONS
37	Preface to the republication of the 2006 review article, "Professor Daniel I. C. Wang: A Legacy of Education, Innovation, Publication, and Leadership" Biotechnology and Bioengineering, 2020, 117, 3614-3614.	3.3	1