

D Michael Byler

List of Publications by Year in descending order

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22
papers

4,282
citations

586496

16
h-index

799663

21
g-index

22
all docs

22
docs citations

22
times ranked

4416
citing authors

#	ARTICLE	IF	CITATIONS
1	Fourier Transform Infrared Study of Proteins with Parallel β -Chains. Archives of Biochemistry and Biophysics, 2022, , 109235.	1.4	0
2	Second derivative infrared spectroscopy as a non-destructive tool to assess the purity and structural integrity of proteins. Pharmaceutical Research, 1995, 12, 446-450.	1.7	22
3	Generation of a substructure library for the description and classification of protein secondary structure. II. Application to spectra-structure correlations in fourier transform infrared spectroscopy. Proteins: Structure, Function and Bioinformatics, 1992, 14, 440-450.	1.5	33
4	Isolation of estradiol-2,3-quinone and its intermediary role in melanin formation. Biochimica Et Biophysica Acta - General Subjects, 1991, 1073, 1-10.	1.1	7
5	Effect of metal ion binding on the secondary structure of bovine α -lactalbumin as examined by infrared spectroscopy. Biochemistry, 1991, 30, 8797-8804.	1.2	79
6	Comparison of various molecular forms of bovine trypsin: correlation of infrared spectra with x-ray crystal structures. Biochemistry, 1991, 30, 133-143.	1.2	115
7	Infrared spectroscopic discrimination between α - and 3_{10} -helices in globular proteins. International Journal of Peptide and Protein Research, 1991, 37, 508-512.	0.1	75
8	Application of computerized infrared and Raman spectroscopy to conformation studies of casein and other food proteins. Journal of Industrial Microbiology, 1988, 3, 73-88.	0.9	56
9	Solution structure of the 45-residue magnesium ATP-binding peptide of adenylate kinase as examined by 2-D NMR, FTIR, and CD spectroscopy. Biochemistry, 1988, 27, 3588-3598.	1.2	63
10	Fourier Deconvolution of the Amide I Raman Band of Proteins as Related to Conformation. Applied Spectroscopy, 1988, 42, 819-826.	1.2	100
11	Raman Spectroscopic Study of Casein Structure. Journal of Dairy Science, 1988, 71, 2622-2629.	1.4	72
12	FT-IR Spectra of Soil Constituents: Fulvic Acid and Fulvic Acid Complex with Ferric Ions. Applied Spectroscopy, 1987, 41, 1428-1430.	1.2	23
13	Resolution-Enhanced FT-IR Spectra of Soil Constituents: Humic Acid. Applied Spectroscopy, 1986, 40, 504-507.	1.2	34
14	Isolation and detection of dialkyl phthalates from pork. Journal of Agricultural and Food Chemistry, 1986, 34, 198-200.	2.4	8
15	Examination of the secondary structure of proteins by deconvolved FTIR spectra. Biopolymers, 1986, 25, 469-487.	1.2	2,855
16	Protein Conformation by Infrared Spectroscopy: Resolution Enhancement by Fourier Self-Deconvolution. Applied Spectroscopy, 1985, 39, 282-287.	1.2	171
17	Raman Spectroscopic Studies of CH_3 and CD_3 -(4-Tert-butylpyridine)-bis(dimethylglyoximate)cobalt (III) Complexes: Reassignment of the Methyl-Cobalt Stretching Vibration. Spectroscopy Letters, 1984, 17, 603-613.	0.5	15
18	Nitrite inhibition of acyl transfer by coenzyme A via the formation of an S-nitrosothiol derivative. Journal of Agricultural and Food Chemistry, 1984, 32, 1057-1060.	2.4	10

#	ARTICLE	IF	CITATIONS
19	Vibrational Spectra, Assignments, and Valence Force Field for S-nitrosocysteine and Isotopic Analogs. Applied Spectroscopy, 1984, 38, 200-203.	1.2	3
20	Laser-Raman spectra, sulfhydryl groups, and conformation of the cystine linkages of β -lactoglobulin. Biopolymers, 1983, 22, 2507-2511.	1.2	21
21	Spectroscopic estimation of the extent of S-nitrosothiol formation by nitrite action on sulfhydryl groups. Journal of Agricultural and Food Chemistry, 1983, 31, 523-527.	2.4	27
22	Protein structure by Fourier transform infrared spectroscopy: Second derivative spectra. Biochemical and Biophysical Research Communications, 1983, 115, 391-397.	1.0	493