## Bernd Hitzmann

# List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

134 1,795 23 35 h-index g-index citations papers 2,076 147 3.7 4.92 L-index avg, IF ext. citations ext. papers

#	Paper	IF	Citations
134	Comparative Study of Chemical Composition, Pasting, Thermal and Functional properties of Teff (Eragrostis tef) Flours Grown in Ethiopia and South Africa. <i>International Journal of Food Properties</i> , <b>2022</b> , 25, 144-158	3	1
133	Comparison of various classification techniques for supervision of milk processing <i>Engineering in Life Sciences</i> , <b>2022</b> , 22, 279-287	3.4	1
132	Establishing a novel procedure to detect deviations from standard milk processing by using online Raman spectroscopy. <i>Food Control</i> , <b>2022</b> , 131, 108442	6.2	1
131	Avoiding misleading predictions in fluorescence-based soft sensors using autoencoders. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2022</b> , 223, 104527	3.8	2
130	The Potential of Spectroscopic Techniques in Coffee Analysis Review. <i>Processes</i> , <b>2022</b> , 10, 71	2.9	2
129	Experimental investigation of CO uptake in CO hydrates formation with amino acids as kinetic promoters and its dissociation at high temperature <i>Scientific Reports</i> , <b>2022</b> , 12, 8359	4.9	3
128	Optimization of No-Wait Flowshop Scheduling Problem in Bakery Production with Modified PSO, NEH and SA. <i>Processes</i> , <b>2021</b> , 9, 2044	2.9	2
127	Drought Stress during Anthesis Alters Grain Protein Composition and Improves Bread Quality in Field-Grown Iranian and German Wheat Genotypes. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 9782	2.6	О
126	The Kalman Filter for the Supervision of Cultivation Processes. <i>Advances in Biochemical Engineering/Biotechnology</i> , <b>2021</b> , 177, 95-125	1.7	1
125	Spectroscopic analysis of chia seeds. <i>Scientific Reports</i> , <b>2021</b> , 11, 9253	4.9	
124	A Future Road Map for Carbon Dioxide (CO2) Gas Hydrate as an Emerging Technology in Food Research. <i>Food and Bioprocess Technology</i> , <b>2021</b> , 14, 1758-1762	5.1	7
123	Anomaly detection during milk processing by autoencoder neural network based on near-infrared spectroscopy. <i>Journal of Food Engineering</i> , <b>2021</b> , 299, 110510	6	11
122	Implementation of QbD strategies in the inoculum expansion of a mAb production process. <i>Engineering in Life Sciences</i> , <b>2021</b> , 21, 196-207	3.4	4
121	Parameter and state estimation of backers yeast cultivation with a gas sensor array and unscented Kalman filter. <i>Engineering in Life Sciences</i> , <b>2021</b> , 21, 170-180	3.4	2
120	Volume Fraction Measurement of Soft (Dairy) Microgels by Standard Addition and Static Light Scattering. <i>Food Biophysics</i> , <b>2021</b> , 16, 237-253	3.2	3
119	Fat-free fermented concentrated milk protein-based microgel dispersions manufactured at technical scale: Production parameters as drivers of textural properties. <i>International Dairy Journal</i> , <b>2021</b> , 105195	3.5	1
118	Teff-Based Probiotic Functional Beverage Fermented with and. <i>Foods</i> , <b>2021</b> , 10,	4.9	4

# (2017-2020)

117	The Supervision of Dough Fermentation Using Image Analysis Complemented by a Continuous Discrete Extended Kalman Filter. <i>Processes</i> , <b>2020</b> , 8, 1669	2.9	1	
116	Model-based calibration of a gas sensor array for on-line monitoring of ethanol concentration in Saccharomyces cerevisiae batch cultivation. <i>Biosystems Engineering</i> , <b>2020</b> , 198, 198-209	4.8	9	
115	Wasserabsorption von GetreidekEnern Evergleich verschiedener Modelle.  Chemie-Ingenieur-Technik, <b>2020</b> , 92, 1083-1088	0.8	0	
114	Application of urease inhibitor improves protein composition and bread-baking quality of urea fertilized winter wheat. <i>Journal of Plant Nutrition and Soil Science</i> , <b>2020</b> , 183, 260-270	2.3	5	
113	A novel LED-based 2D-fluorescence spectroscopy system for in-line monitoring of Chinese hamster ovary cell cultivations - Part I. <i>Engineering in Life Sciences</i> , <b>2019</b> , 19, 352-362	3.4	10	
112	Application of fuzzy logic control for the dough proofing process. <i>Food and Bioproducts Processing</i> , <b>2019</b> , 115, 36-46	4.9	8	
111	Evaluation of the linear and non-linear prediction models optimized with metaheuristics: Application to anaerobic digestion processes. <i>Engineering in Agriculture, Environment and Food</i> , <b>2019</b> , 12, 397-403	1.7	5	
110	Prediction of the biogas production using GA and ACO input features selection method for ANN model. <i>Information Processing in Agriculture</i> , <b>2019</b> , 6, 349-356	4.2	21	
109	Closed loop control system for dough fermentation based on image processing. <i>Journal of Food Process Engineering</i> , <b>2018</b> , 41, e12801	2.4	6	
108	Bioprozessanalytik und -steuerung <b>2018</b> , 261-297			
107	Herstellung und Bewertung glutenfreier Brotsorten. <i>Aktuelle Ernahrungsmedizin Klinik Und Praxis</i> , <b>2018</b> , 43, 467-470	0.3		
106	Feedback control based on NADH fluorescence intensity for Saccharomyces cerevisiae cultivations. <i>Bioresources and Bioprocessing</i> , <b>2018</b> , 5,	5.2	4	
105	Fluorescence Spectroscopy for the Monitoring of Food Processes. <i>Advances in Biochemical Engineering/Biotechnology</i> , <b>2017</b> , 161, 121-151	1.7	9	
104	On-line monitoring of relevant fluorophores of yeast cultivations due to glucose addition during the diauxic growth. <i>Process Biochemistry</i> , <b>2017</b> , 58, 51-59	4.8	7	
103	Artificial neural network for bioprocess monitoring based on fluorescence measurements: Training without offline measurements. <i>Engineering in Life Sciences</i> , <b>2017</b> , 17, 874-880	3.4	9	
102	Prediction of baking results from farinograph measurements by using stepwise linear regression and artificial neuronal networks. <i>Journal of Cereal Science</i> , <b>2017</b> , 76, 64-68	3.8	5	
101	Between the Poles of Data-Driven and Mechanistic Modeling for Process Operation. <i>Chemie-Ingenieur-Technik</i> , <b>2017</b> , 89, 542-561	0.8	37	
100	Comparison of methods for wavelength combination selection from multi-wavelength fluorescence spectra for on-line monitoring of yeast cultivations. <i>Analytical and Bioanalytical Chemistry</i> , <b>2017</b> , 409, 707-717	4.4	10	

99	Potential of fluorescence spectroscopy in detection of low-levels of gluten in flour: A preliminary study. <i>Food Control</i> , <b>2017</b> , 73, 401-405	6.2	9
98	Optimale Versuchsplanung mittels Bootstrapping. Chemie-Ingenieur-Technik, <b>2017</b> , 89, 1752-1758	0.8	
97	Sonication induced particle formation in yogurt: Influence of the dry matter content on the physical properties. <i>Journal of Food Engineering</i> , <b>2016</b> , 191, 77-87	6	16
96	Supervision of Food Manufacturing Processes Using Optical Process Analyzers [An Overview. <i>ChemBioEng Reviews</i> , <b>2016</b> , 3, 219-228	5.2	12
95	Image analysis and mathematical modelling for the supervision of the dough fermentation process <b>2016</b> ,		3
94	Chia (Salvia hispanica L.) as fat replacer in sweet pan breads. <i>International Journal of Food Science and Technology</i> , <b>2016</b> , 51, 1425-1432	3.8	9
93	Microgel particle formation in yogurt as influenced by sonication during fermentation. <i>Journal of Food Engineering</i> , <b>2016</b> , 180, 29-38	6	31
92	Artificial neural network prediction of the biogas flow rate optimised with an ant colony algorithm. <i>Biosystems Engineering</i> , <b>2016</b> , 143, 68-78	4.8	60
91	Characterization of farinographic kneading process for different types of wheat flours using fluorescence spectroscopy and chemometrics. <i>Food Control</i> , <b>2016</b> , 66, 44-52	6.2	19
90	Optische Prozessanalysatoren fildie Lebensmittelindustrie. <i>Chemie-Ingenieur-Technik</i> , <b>2016</b> , 88, 735-74	<b>45</b> 0.8	3
89	Development of a model for the simulation of Farinograph measurements 2016,		2
88			
00	A fluorescence spectroscopic approach to predict analytical, rheological and baking parameters of wheat flours using chemometrics. <i>Journal of Food Engineering</i> , <b>2016</b> , 182, 65-71	6	10
87		3.8	10
	wheat flours using chemometrics. <i>Journal of Food Engineering</i> , <b>2016</b> , 182, 65-71  Prediction of the pH as indicator of porcine meat quality using Raman spectroscopy and	3.8	
87	wheat flours using chemometrics. <i>Journal of Food Engineering</i> , <b>2016</b> , 182, 65-71  Prediction of the pH as indicator of porcine meat quality using Raman spectroscopy and metaheuristics. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2016</b> , 154, 45-51  Estimation of the nutritional parameters of various types of wheat flours using fluorescence	3.8	14
8 <sub>7</sub> 86	wheat flours using chemometrics. <i>Journal of Food Engineering</i> , <b>2016</b> , 182, 65-71  Prediction of the pH as indicator of porcine meat quality using Raman spectroscopy and metaheuristics. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2016</b> , 154, 45-51  Estimation of the nutritional parameters of various types of wheat flours using fluorescence spectroscopy and chemometrics. <i>International Journal of Food Science and Technology</i> , <b>2016</b> , 51, 1186-Parallel online multi-wavelength (2D) fluorescence spectroscopy in each well of a continuously	3.8 .11394	14 9
86 86	wheat flours using chemometrics. <i>Journal of Food Engineering</i> , <b>2016</b> , 182, 65-71  Prediction of the pH as indicator of porcine meat quality using Raman spectroscopy and metaheuristics. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2016</b> , 154, 45-51  Estimation of the nutritional parameters of various types of wheat flours using fluorescence spectroscopy and chemometrics. <i>International Journal of Food Science and Technology</i> , <b>2016</b> , 51, 1186-Parallel online multi-wavelength (2D) fluorescence spectroscopy in each well of a continuously shaken microtiter plate. <i>Biotechnology Journal</i> , <b>2016</b> , 11, 1605-1616  Fluorescence spectroscopy and chemometric modeling for bioprocess monitoring. <i>Sensors</i> , <b>2015</b> ,	3.8 11398 5.6	14 9 12

### (2011-2015)

81	hydrothermal liquefaction of used yeast and apple pomace under reducing conditions. <i>Biomass Conversion and Biorefinery</i> , <b>2015</b> , 5, 125-139	2.3	8
80	Process analytical technologies in food industry - challenges and benefits: A status report and recommendations. <i>Biotechnology Journal</i> , <b>2015</b> , 10, 1095-100	5.6	11
79	Non-invasive lactate- and pH-monitoring in porcine meat using Raman spectroscopy and chemometrics. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2015</b> , 142, 197-205	3.8	24
78	NIR pre-selection data using modified changeable size moving window partial least squares and pure spectral chemometrical modeling with ant colony optimization for wheat flour characterization. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2015</b> , 142, 78-86	3.8	8
77	Biosynthesis of 1,3-propanediol from glycerol with Lactobacillus reuteri: effect of operating variables. <i>Journal of Bioscience and Bioengineering</i> , <b>2014</b> , 118, 188-94	3.3	41
76	2D-fluorescence and multivariate data analysis for monitoring of sourdough fermentation process. <i>Food Control</i> , <b>2014</b> , 38, 8-18	6.2	24
75	Application of a modified GA, ACO and a random search procedure to solve the production scheduling of a case study bakery. <i>Expert Systems With Applications</i> , <b>2014</b> , 41, 5882-5891	7.8	22
74	Rheological properties of microgel suspensions: Viscoelastic modelling of microstructural elements from casein micelles to fermented dairy products. <i>International Dairy Journal</i> , <b>2014</b> , 39, 157-166	3.5	15
73	Wheat flour characterization using NIR and spectral filter based on Ant Colony Optimization. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2014</b> , 132, 133-140	3.8	25
72	Downstream processing of high chain length polysialic acid using membrane adsorbers and clay minerals for application in tissue engineering. <i>Engineering in Life Sciences</i> , <b>2013</b> , 13, 140-148	3.4	10
71	Automatic control of bioprocesses. Advances in Biochemical Engineering/Biotechnology, 2013, 132, 35-63	81.7	8
70	A new mathematical model for the enzymatic kinetic resolution of racemates. <i>Journal of Mathematical Chemistry</i> , <b>2013</b> , 51, 1532-1547	2.1	
69	Automated sonic velocity calculation based on ultrasonic resonator measurements for on-line process monitoring. <i>Sensors and Actuators A: Physical</i> , <b>2013</b> , 198, 69-74	3.9	1
68	Cytokine production using membrane adsorbers: Human basic fibroblast growth factor produced by Escherichia coli. <i>Engineering in Life Sciences</i> , <b>2012</b> , 12, 29-38	3.4	20
67	Chemometric modeling and two-dimensional fluorescence analysis of bioprocess with a new strain of Klebsiella pneumoniae to convert residual glycerol into 1,3-propanediol. <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2012</b> , 39, 701-8	4.2	11
66	Transcriptome analysis. Advances in Biochemical Engineering/Biotechnology, 2012, 127, 1-25	1.7	4
65	Fluorescence Spectroscopy as a Tool for Ethanol Fermentation On-line Monitoring. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2012</b> , 45, 940-945		2
64	Disposable Sensor Systems <b>2011</b> , 67-81		11

63	Catalytic conversion of waste biomass by hydrothermal treatment. Fuel, 2011, 90, 555-562	7.1	75
62	Erschließn von Prozesswissen fildas Monitoring und die Regelung von Fermentationsprozessen. <i>TM Technisches Messen</i> , <b>2011</b> , 78, 569-578	0.7	
61	Conversion of yeast by hydrothermal treatment under reducing conditions. <i>Fuel</i> , <b>2011</b> , 90, 3424-3432	7.1	23
60	On-line monitoring of recombinant bacterial cultures using multi-wavelength fluorescence spectroscopy. <i>Biochemical Engineering Journal</i> , <b>2011</b> , 58-59, 133-139	4.2	19
59	Comparison of polysialic acid production in Escherichia coli K1 during batch cultivation and fed-batch cultivation applying two different control strategies. <i>Journal of Biotechnology</i> , <b>2011</b> , 154, 222	2 <b>.3</b> 97	21
58	Bioprozessanalytik und -steuerung <b>2011</b> , 263-294		
57	Fluorescence Techniques for Bioprocess Monitoring <b>2010</b> , 1		
56	Polyethyleneimine-protein interactions and implications on protein stability. <i>International Journal of Biological Macromolecules</i> , <b>2010</b> , 47, 15-20	7.9	44
55	In-situ imaging sensors for bioprocess monitoring: state of the art. <i>Analytical and Bioanalytical Chemistry</i> , <b>2010</b> , 398, 2429-38	4.4	54
54	On-line infrared spectroscopy for bioprocess monitoring. <i>Applied Microbiology and Biotechnology</i> , <b>2010</b> , 88, 11-22	5.7	110
53	Fluorescence spectroscopy as a novel method for on-line analysis of biocatalytic CII bond formations. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2010</b> , 66, 124-129		6
52	Development of a flow-through microscopic multitesting system for parallel monitoring of cell samples in biotechnological cultivation processes. <i>Journal of Biotechnology</i> , <b>2010</b> , 150, 87-93	3.7	6
51	Optical inline measurement procedures for counting and sizing cells in bioprocess technology. <i>Advances in Biochemical Engineering/Biotechnology</i> , <b>2009</b> , 116, 125-42	1.7	5
50	When is optimal experimental design advantageous for the analysis of Michaelis Menten kinetics?. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2009</b> , 99, 9-18	3.8	7
49	Sensors in disposable bioreactors status and trends. <i>Advances in Biochemical Engineering/Biotechnology</i> , <b>2009</b> , 115, 145-69	1.7	29
48	Design and characterization of a rotating bed system bioreactor for tissue engineering applications. <i>Biotechnology Progress</i> , <b>2008</b> , 24, 140-7	2.8	17
47	A study of the effect of the interaction between site-specific conditions, residue cover and weed control on water storage during fallow. <i>Agricultural Water Management</i> , <b>2008</b> , 95, 1028-1040	5.9	23
46	In vivo regulation of glucose transporter genes at glucose concentrations between 0 and 500 mg/L in a wild type of Saccharomyces cerevisiae. <i>Journal of Biotechnology</i> , <b>2008</b> , 135, 161-7	3.7	9

#### (1998-2008)

45	Online monitoring of microcarrier based fibroblast cultivations with in situ microscopy. <i>Biotechnology and Bioengineering</i> , <b>2008</b> , 99, 136-45	4.9	35	
44	Model based substrate set point control of yeast cultivation processes based on FIA measurements. <i>Analytica Chimica Acta</i> , <b>2008</b> , 623, 30-7	6.6	18	
43	Multiple model approach to modelling of Escherichia coli fed-batch cultivation extracellular production of bacterial phytase. <i>Electronic Journal of Biotechnology</i> , <b>2007</b> , 10, 0-0	3.1	11	
42	In situ multi-wavelength fluorescence spectroscopy as effective tool to simultaneously monitor spore germination, metabolic activity and quantitative protein production in recombinant Aspergillus niger fed-batch cultures. <i>Journal of Biotechnology</i> , <b>2007</b> , 132, 461-8	3.7	28	
41	Future aspects of bioprocess monitoring. <i>Advances in Biochemical Engineering/Biotechnology</i> , <b>2007</b> , 105, 249-93	1.7	37	
40	State variables monitoring by in situ multi-wavelength fluorescence spectroscopy in heterologous protein production by Pichia pastoris. <i>Journal of Biotechnology</i> , <b>2006</b> , 124, 412-9	3.7	47	
39	Experimental design for optimal parameter estimation of an enzyme kinetic process based on the analysis of the Fisher information matrix. <i>Journal of Theoretical Biology</i> , <b>2006</b> , 238, 111-23	2.3	25	
38	Kalman filter based glucose control at small set points during fed-batch cultivation of Saccharomyces cerevisiae. <i>Biotechnology Progress</i> , <b>2004</b> , 20, 377-83	2.8	26	
37	Technische Chemie 2002. Nachrichten Aus Der Chemie, 2003, 51, 352-357	0.1	2	
36	Chemometric modelling with two-dimensional fluorescence data for Claviceps purpurea bioprocess characterization. <i>Journal of Biotechnology</i> , <b>2003</b> , 105, 179-88	3.7	57	
35	Theoretical Model Based Evaluation of Superimposed Flow Injection Measurements. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2001</b> , 34, 167-170			
34	Feed Forward/Feedback Control of Glucose Concentration During Cultivation of Escherichia Coli. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2001</b> , 34, 403-407		4	
33	Innovative Bioprozessanalytik [Neue Wege zum besseren Verstfldnis biotechnologischer Prozesse. <i>Chemie-Ingenieur-Technik</i> , <b>2001</b> , 73, 19-26	0.8	3	
32	Optimierung der industriellen Tryptophanproduktion durch den Einsatz bioanalytischer Systeme. <i>Chemie-Ingenieur-Technik</i> , <b>2001</b> , 73, 524-526	0.8	1	
31	Innovative Bioprozessanalytik [Neue Wege zum besseren Verstfldnis biotechnologischer Prozesse <b>2001</b> , 73, 19		1	
30	Accuracy and Reliability of Measured Data <b>2000</b> , 125-144			
29	A knowledge-based system for real-time validation of calibrations and measurements. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>1999</b> , 46, 57-66	3.8	4	
28	Simultaneous calibration in flow-injection analysis using multiple-injection signals evaluated by partial least squares. <i>Analytica Chimica Acta</i> , <b>1998</b> , 363, 183-189	6.6	6	

27	On-line monitoring of galactoside conjugates and glycerol by flow injection analysis. <i>Analytica Chimica Acta</i> , <b>1998</b> , 373, 57-62	6.6	23
26	Gas sensitive field-effect transistors: applications to the monitoring of biotechnological processes. <i>Analytica Chimica Acta</i> , <b>1998</b> , 373, 253-259	6.6	2
25	Ein FIA-System zur schnellen Glucosemessung bei Bioprozessen. <i>Chemie-Ingenieur-Technik</i> , <b>1998</b> , 70, 297-299	0.8	1
24	Vorhersage von Bioprozegran aus 2D-Fluoreszenzspektren. <i>Chemie-Ingenieur-Technik</i> , <b>1998</b> , 70, 1610-	164.8	5
23	Neural networks as a modeling tool for the evaluation and analysis of FIA signals. <i>Journal of Biotechnology</i> , <b>1998</b> , 65, 15-22	3.7	14
22	Ein Expertensystem zur Modellierung, Regelung und Berwachung bioverfahrenstechnischer Prozesse. <i>Automatisierungstechnik</i> , <b>1998</b> , 46, 368-374	0.8	1
21	Challenges in integrating biosensors and FIA for on-line monitoring and control. <i>Trends in Biotechnology</i> , <b>1996</b> , 14, 21-31	15.1	54
20	Methoden zur Auswertung von Meßignalen der Fließhjektionsanalyse. <i>Chemie-Ingenieur-Technik</i> , <b>1996</b> , 68, 570-573	0.8	
19	Visualisierung von Prozedaten Ber das World Wide Web. <i>Chemie-Ingenieur-Technik</i> , <b>1996</b> , 68, 1311-131	<b>3</b> o.8	
18	Ein Realzeit-Expertensystem zur <b>B</b> erwachung von Bioprozessen. <i>Chemie-Ingenieur-Technik</i> , <b>1994</b> , 66, 539-541	0.8	1
17	Evaluation of pH field effect transistor measurement signals by neural networks. <i>Analytica Chimica Acta</i> , <b>1994</b> , 294, 243-249	6.6	22
16	Knowledge-based fault detection and diagnosis in flow-injection analysis. <i>Analytica Chimica Acta</i> , <b>1994</b> , 291, 29-40	6.6	32
15	Sensors as components of integrated analytical systems. <i>Trends in Biotechnology</i> , <b>1994</b> , 12, 42-6	15.1	10
14	Monitoring and control of recombinant protein production. <i>Analytica Chimica Acta</i> , <b>1993</b> , 279, 3-16	6.6	22
13	ExpertensystemgestExte Berwachung komplexer Analysesysteme. <i>Chemie-Ingenieur-Technik</i> , <b>1993</b> , 65, 945-947	0.8	2
12	Neuronale Netze zur Auswertung von Meßignalen der Fließhjektionsanalyse. <i>Chemie-Ingenieur-Technik</i> , <b>1993</b> , 65, 947-949	0.8	4
11	In-situ- und On-line-Berwachung und Regelung biotechnologischer Prozesse. <i>Chemie-Ingenieur-Technik</i> , <b>1993</b> , 65, 1447-1456	0.8	7
10	Monitoring and control of recombinant protein production <b>1993</b> , 3-16		

#### LIST OF PUBLICATIONS

9	In-vivo-NMR-Spektroskopie zur Charakterisierung des Einflusses von Plasmiden auf den Glucose-Metabolismus von Escherichia coli. <i>Chemie-Ingenieur-Technik</i> , <b>1992</b> , 64, 574-575	0.8	1
8	Expertensysteme zur Automation von Bioprozessen. <i>Chemie-Ingenieur-Technik</i> , <b>1992</b> , 64, 708-714	0.8	1
7	An expert system approach for the control of a bioprocess. I: knowledge representation and processing. <i>Biotechnology and Bioengineering</i> , <b>1992</b> , 39, 33-43	4.9	18
6	In Vivo NMR Analysis of the Influence of Pyruvate Decarboxylase and Alcohol Dehydrogenase of Zymomonas mobilis on the Anaerobic Metabolism of Escherichia coli. <i>Biotechnology Progress</i> , <b>1991</b> , 7, 305-310	2.8	13
5	On-line determination of intracellular beta-galactosidase activity in recombinant Escherichia coli using flow injection analysis (FIA). <i>Journal of Biotechnology</i> , <b>1991</b> , 20, 95-104	3.7	22
4	Comparative Studies of Glucose Catabolism by Escherichia coli Grown in a Complex Medium under Aerobic and Anaerobic Conditions. <i>Biotechnology Progress</i> , <b>1990</b> , 6, 326-332	2.8	17
3	Supervisor Lein Realzeit-Expertensystem. Chemie-Ingenieur-Technik, 1989, 61, 910-911	0.8	3
2	Bread and Other Baked Products1-58		
1	Spectroscopic-Based Prediction of Milk Foam Properties for Barista Applications. <i>Food and Bioprocess Technology</i> ,1	5.1	