

# Joseph Paul Robinson

## 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.

186  
papers

8,054  
citations

41  
h-index

87  
g-index

229  
ext. papers

9,131  
ext. citations

4.5  
avg, IF

5.41  
L-index

#	Paper	IF	Citations
186	A Semi-Automated Method for Measuring Biofilm Accumulation on the Teeth Using Quantitative Light-Induced Fluorescence in Dogs and Cats.. <i>Journal of Veterinary Dentistry</i> , <b>2022</b> , 8987564221081991 <sup>1</sup>		
185	Effects of forages, dust exposure and proresolving lipids on airway inflammation in horses. <i>American Journal of Veterinary Research</i> , <b>2021</b> , 1-9	1.1	0
184	In memoriam professor Zbigniew Darzynkiewicz - Cytometry pathfinder 1936-2021. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2021</b> , 99, 550-556	4.6	1
183	Optical multi-channel interrogation instrument for bacterial colony characterization. <i>PLoS ONE</i> , <b>2021</b> , 16, e0247721	3.7	1
182	Elastic Light Scatter Pattern Analysis for the Expedited Detection of Species in Pork Mince: Proof of Concept. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 641801	5.7	3
181	Quantum approach for nanoparticle fluorescence by sub-ns photon detection. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2021</b> , 99, 145-151	4.6	1
180	Identification of colonies of cultured shellfish-associated species by Elastic Light Scatter Analysis. <i>Current Research in Microbial Sciences</i> , <b>2021</b> , 2, 100033	3.3	
179	Detection of E. coli labeled with metal-conjugated antibodies using lateral-flow assay and laser-induced breakdown spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 1291-1301	4.4	5
178	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). <i>European Journal of Immunology</i> , <b>2019</b> , 49, 1457-1973	6.1	485
177	A Portable Spark-Induced Breakdown Spectroscopic (SIBS) Instrument and its Analytical Performance. <i>Applied Spectroscopy</i> , <b>2019</b> , 73, 698-708	3.1	2
176	Characterization of plasma cytokine response to intraperitoneally administered LPS & subdiaphragmatic branch vagus nerve stimulation in rat model. <i>PLoS ONE</i> , <b>2019</b> , 14, e0214317	3.7	11
175	Generalized spectral light scatter models of diverse bacterial colony morphologies. <i>Journal of Biophotonics</i> , <b>2019</b> , 12, e201900149	3.1	2
174	Multiplexed detection of lanthanides using laser-induced breakdown spectroscopy: a survey of data analysis techniques <b>2019</b> ,		1
173	Classification of Arcobacter species using variational autoencoders <b>2019</b> ,		3
172	The nuclear structural protein NuMA is a negative regulator of 53BP1 in DNA double-strand break repair. <i>Nucleic Acids Research</i> , <b>2019</b> , 47, 2703-2715	20.1	13
171	Modulating the Inflammatory Reflex in Rats Using Low-Intensity Focused Ultrasound Stimulation of the Vagus Nerve. <i>Ultrasound in Medicine and Biology</i> , <b>2019</b> , 45, 481-489	3.5	11
170	Overview of Flow Cytometry and Microbiology. <i>Current Protocols in Cytometry</i> , <b>2018</b> , 84, e37	3.6	10

169	Alternatives to current flow cytometry data analysis for clinical and research studies. <i>Methods</i> , <b>2018</b> , 134-135, 113-129	4.6	12
168	Chronic cuffing of cervical vagus nerve inhibits efferent fiber integrity in rat model. <i>Journal of Neural Engineering</i> , <b>2018</b> , 15, 036018	5	19
167	Side-port Endoscopic Imaging System with Macroscopic and Microscopic Field of View. <i>Journal of Imaging Science and Technology</i> , <b>2018</b> , 62, 60503-1-60503-5	1.2	
166	Guidelines for the use of flow cytometry and cell sorting in immunological studies. <i>European Journal of Immunology</i> , <b>2017</b> , 47, 1584-1797	6.1	359
165	Differential Effects of Lipid-lowering Drugs in Modulating Morphology of Cholesterol Particles. <i>Journal of Visualized Experiments</i> , <b>2017</b> ,	1.6	1
164	Development of a multispectral light-scatter sensor for bacterial colonies. <i>Journal of Biophotonics</i> , <b>2017</b> , 10, 634-644	3.1	11
163	Stimulated Raman scattering flow cytometry for label-free single-particle analysis. <i>Optica</i> , <b>2017</b> , 4, 103	8.6	62
162	È All'ottavo Giorno, Dio Creò La Citometria [and on the 8th Day, God Created Cytometry] <i>Series in Bioengineering</i> , <b>2017</b> , 59-82	0.7	
161	Reflected scatterometry for noninvasive interrogation of bacterial colonies. <i>Journal of Biomedical Optics</i> , <b>2016</b> , 21, 107004	3.5	5
160	Current status and future prospects of using advanced computer-based methods to study bacterial colonial morphology. <i>Expert Review of Anti-Infective Therapy</i> , <b>2016</b> , 14, 207-18	5.5	3
159	A statistical modeling approach to computer-aided quantification of dental biofilm. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2015</b> , 19, 358-66	7.2	11
158	High Throughput-Based Mitochondrial Function Assays by Multi-Parametric Flow Cytometry. <i>Current Protocols in Cytometry</i> , <b>2015</b> , 73, 9.48.1-9.48.9	3.6	
157	HISTORY OF SCIENCE. Flow cytometry strikes gold. <i>Science</i> , <b>2015</b> , 350, 739-40	33.3	77
156	Tunable lifetime multiplexing using luminescent nanocrystals. <i>Nature Photonics</i> , <b>2014</b> , 8, 32-36	33.9	530
155	Phenotypic profiling of Raf inhibitors and mitochondrial toxicity in 3D tissue using biodynamic imaging. <i>Journal of Biomolecular Screening</i> , <b>2014</b> , 19, 526-37		21
154	A systematic assessment of mitochondrial function identified novel signatures for drug-induced mitochondrial disruption in cells. <i>Toxicological Sciences</i> , <b>2014</b> , 142, 261-73	4.4	19
153	Laser optical sensor, a label-free on-plate Salmonella enterica colony detection tool. <i>MBio</i> , <b>2014</b> , 5, e01018-13	1.8	38
152	On-the-fly decoding luminescence lifetimes in the microsecond region for lanthanide-encoded suspension arrays. <i>Nature Communications</i> , <b>2014</b> , 5, 3741	17.4	111

151	BiofilmQuant: a computer-assisted tool for dental biofilm quantification. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2014</b> , 2014, 4244-7	0.9	1
150	Hyperspectral cytometry. <i>Current Topics in Microbiology and Immunology</i> , <b>2014</b> , 377, 191-210	3.3	11
149	Classification of bacterial contamination using image processing and distributed computing. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2013</b> , 17, 232-9	7.2	29
148	Using speech recognition for real-time captioning and lecture transcription in the classroom. <i>IEEE Transactions on Learning Technologies</i> , <b>2013</b> , 6, 299-311	4	34
147	High-throughput secondary screening at the single-cell level. <i>Journal of the Association for Laboratory Automation</i> , <b>2013</b> , 18, 85-98		14
146	Wallace H. Coulter: decades of invention and discovery. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2013</b> , 83, 424-38	4.6	11
145	Mouse and human islets survive and function after coating by biosilicification. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2013</b> , 305, E1230-40	6	10
144	Hyperspectral cytometry at the single-cell level using a 32-channel photodetector. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2012</b> , 81, 35-44	4.6	50
143	Using Virtual Field Trips to Connect Students with University Scientists: Core Elements and Evaluation of zipTrips. <i>Journal of Science Education and Technology</i> , <b>2012</b> , 21, 607-618	2.8	18
142	Application of detector precision characteristics and histogram packing for compression of biological fluorescence micrographs. <i>Computer Methods and Programs in Biomedicine</i> , <b>2012</b> , 108, 511-23	6.9	8
141	Portable bacterial identification system based on elastic light scatter patterns. <i>Journal of Biological Engineering</i> , <b>2012</b> , 6, 12	6.3	13
140	Light-scattering sensor for real-time identification of <i>Vibrio parahaemolyticus</i> , <i>Vibrio vulnificus</i> and <i>Vibrio cholerae</i> colonies on solid agar plate. <i>Microbial Biotechnology</i> , <b>2012</b> , 5, 607-20	6.3	42
139	Computational analysis of high-throughput flow cytometry data. <i>Expert Opinion on Drug Discovery</i> , <b>2012</b> , 7, 679-93	6.2	35
138	Differential mitochondrial toxicity screening and multi-parametric data analysis. <i>PLoS ONE</i> , <b>2012</b> , 7, e45226	3.7	35
137	Development of a microbial high-throughput screening instrument based on elastic light scatter patterns. <i>Review of Scientific Instruments</i> , <b>2012</b> , 83, 044304	1.7	9
136	A distributed national network for label-free rapid identification of emerging pathogens <b>2011</b> ,		1
135	Modeling light propagation through bacterial colonies and its correlation with forward scattering patterns. <i>Journal of Biomedical Optics</i> , <b>2010</b> , 15, 045001	3.5	26
134	AccessScope project: Accessible light microscope for users with upper limb mobility or visual impairments. <i>Disability and Rehabilitation: Assistive Technology</i> , <b>2010</b> , 5, 143-52	1.8	7

133	Discovering the unknown: detection of emerging pathogens using a label-free light-scattering system. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2010</b> , 77, 1103-1126	4.6	27
132	A Machine-Learning Approach to Detecting Unknown Bacterial Serovars. <i>Statistical Analysis and Data Mining</i> , <b>2010</b> , 3, 289-301	1.4	9
131	Learning with a non-exhaustive training dataset <b>2009</b> ,		2
130	System automation for a bacterial colony detection and identification instrument via forward scattering. <i>Measurement Science and Technology</i> , <b>2009</b> , 20, 015802	2	19
129	Absolute CD4+ cell count using a plastic microchip and a microscopic cell counter. <i>Cytometry Part B - Clinical Cytometry</i> , <b>2009</b> , 76, 345-53	3.4	8
128	Label-free detection of multiple bacterial pathogens using light-scattering sensor. <i>Biosensors and Bioelectronics</i> , <b>2009</b> , 24, 1685-92	11.8	110
127	Development of a real-time system of monitoring bacterial colony growth and registering the forward-scattering pattern <b>2009</b> ,		1
126	A novel and simple cell-based detection system with a collagen-encapsulated B-lymphocyte cell line as a biosensor for rapid detection of pathogens and toxins. <i>Laboratory Investigation</i> , <b>2008</b> , 88, 196-206	5.9	81
125	Application of wavelet denoising to improve compression efficiency while preserving integrity of digital micrographs. <i>Journal of Microscopy</i> , <b>2008</b> , 231, 81-96	1.9	1
124	XML-based data model and architecture for a knowledge-based grid-enabled problem-solving environment for high-throughput biological imaging. <i>IEEE Transactions on Information Technology in Biomedicine</i> , <b>2008</b> , 12, 226-40		7
123	Molecular and Cellular Probes. <i>Current Protocols in Cytometry</i> , <b>2008</b> , 45, 4.0.1	3.6	
122	Validation of large-scale, monochromatic UV disinfection systems for drinking water using dyed microspheres. <i>Water Research</i> , <b>2008</b> , 42, 677-88	12.5	38
121	High speed classification of individual bacterial cells using a model-based light scatter system and multivariate statistics. <i>Applied Optics</i> , <b>2008</b> , 47, 678-86	1.7	12
120	State of the Art in Information Extraction and Quantitative Analysis for Multimodality Biomolecular Imaging. <i>Proceedings of the IEEE</i> , <b>2008</b> , 96, 512-531	14.3	7
119	Analysis of time-resolved scattering from macroscale bacterial colonies. <i>Journal of Biomedical Optics</i> , <b>2008</b> , 13, 014010	3.5	19
118	An excitation wavelength-scanning spectral imaging system for preclinical imaging. <i>Review of Scientific Instruments</i> , <b>2008</b> , 79, 023707	1.7	21
117	Perspectives on Cellular Analysis: Linking Quantitation to Structure and Function by Instrumental Methods and Analysis. <i>Microscopy and Microanalysis</i> , <b>2008</b> , 14, 752-753	0.5	
116	Microenvironment-controlled encapsulation (MiCE) process: effects of PLGA concentration, flow rate, and collection method on microcapsule size and morphology. <i>Pharmaceutical Research</i> , <b>2008</b> , 25, 5-15	4.5	10

115	Automated classification of bacterial particles in flow by multiangle scatter measurement and support vector machine classifier. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2008</b> , 73, 369-79	4.6	50
114	Quadratic form: a robust metric for quantitative comparison of flow cytometric histograms. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2008</b> , 73, 715-26	4.6	21
113	Application of flow cytometry for biomarker-based cervical cancer cells detection. <i>Diagnostic Cytopathology</i> , <b>2008</b> , 36, 76-84	1.4	9
112	'Living cantilever arrays' for characterization of mass of single live cells in fluids. <i>Lab on A Chip</i> , <b>2008</b> , 8, 1034-41	7.2	98
111	Knowledge Extraction for High-Throughput Biological Imaging. <i>IEEE MultiMedia</i> , <b>2007</b> , 14, 52-62	2.1	1
110	FSM-based model for spatio-temporal event recognition for HCS <b>2007</b> ,		2
109	A cellular Trojan Horse for delivery of therapeutic nanoparticles into tumors. <i>Nano Letters</i> , <b>2007</b> , 7, 3759-65	11.5	476
108	Subject classification obtained by cluster analysis and principal component analysis applied to flow cytometric data. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2007</b> , 71, 334-44	4.6	84
107	Single- and two-photon spectral imaging of intrinsic fluorescence of transformed human hepatocytes. <i>Microscopy Research and Technique</i> , <b>2007</b> , 70, 869-79	2.8	11
106	A numerical recipe for accurate image reconstruction from discrete orthogonal moments. <i>Pattern Recognition</i> , <b>2007</b> , 40, 659-669	7.7	41
105	Optical forward-scattering for detection of <i>Listeria monocytogenes</i> and other <i>Listeria</i> species. <i>Biosensors and Bioelectronics</i> , <b>2007</b> , 22, 1664-71	11.8	106
104	Bacteria-mediated delivery of nanoparticles and cargo into cells. <i>Nature Nanotechnology</i> , <b>2007</b> , 2, 441-9	28.7	242
103	Confocal Fluorescence Imaging of Photosensitized DNA Denaturation in Cell Nuclei. <i>Photochemistry and Photobiology</i> , <b>2007</b> , 81, 960-969	3.6	2
102	Precision of light intensity measurement in biological optical microscopy. <i>Journal of Microscopy</i> , <b>2007</b> , 226, 163-74	1.9	15
101	The design and construction of a cost-efficient confocal laser scanning microscope. <i>American Journal of Physics</i> , <b>2007</b> , 75, 203-207	0.7	18
100	Hybridoma Ped-2E9 cells cultured under modified conditions can sensitively detect <i>Listeria monocytogenes</i> and <i>Bacillus cereus</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2007</b> , 73, 1423-34	5.7	13
99	Compound jet instability in a microchannel for mononuclear compound drop formation. <i>Journal of Micromechanics and Microengineering</i> , <b>2007</b> , 17, 1558-1566	2	9
98	SEMANTIC ANALYSIS OF BIOLOGICAL IMAGING DATA: CHALLENGES AND OPPORTUNITIES. <i>International Journal of Semantic Computing</i> , <b>2007</b> , 01, 67-85	0.7	7

97	Phi29 pRNA vector for efficient escort of hammerhead ribozyme targeting survivin in multiple cancer cells. <i>Cancer Biology and Therapy</i> , <b>2007</b> , 6, 697-704	4.6	44
96	GPU-based visualization techniques for 3D microscopic imaging data <b>2007</b> , 6498, 463		2
95	Intracellularly grown gold nanoparticles as potential surface-enhanced Raman scattering probes. <i>Journal of Biomedical Optics</i> , <b>2007</b> , 12, 020502	3.5	64
94	The influence of exercise training on inflammatory cytokines and C-reactive protein. <i>Medicine and Science in Sports and Exercise</i> , <b>2007</b> , 39, 1714-9	1.2	183
93	Design of a wavelength-tunable light source using an acousto-optic tunable filter <b>2007</b> ,		1
92	Biophysical modeling of forward scattering from bacterial colonies using scalar diffraction theory. <i>Applied Optics</i> , <b>2007</b> , 46, 3639-48	1.7	46
91	Variation in genome size of argasid and ixodid ticks. <i>Insect Biochemistry and Molecular Biology</i> , <b>2007</b> , 37, 399-408	4.5	56
90	Principles of Flow Cytometry <b>2007</b> , 19-40		5
89	Quantitative Analysis of Inter-object Spatial Relationships in Biological Images <b>2007</b> ,		3
88	Rapid Detection and Classification of Bacterial Contamination Using Grid Computing <b>2007</b> ,		1
87	Compression of fluorescence microscopy images based on the signal-to-noise estimation. <i>Microscopy Research and Technique</i> , <b>2006</b> , 69, 1-9	2.8	17
86	Physical activity status, but not age, influences inflammatory biomarkers and toll-like receptor 4. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2006</b> , 61, 388-93	6.4	122
85	Integrating cytomics and proteomics. <i>Molecular and Cellular Proteomics</i> , <b>2006</b> , 5, 2-13	7.6	25
84	Noninvasive forward-scattering system for rapid detection, characterization, and identification of <i>Listeria</i> colonies: image-processing and data analysis <b>2006</b> ,		1
83	Feature extraction from light-scatter patterns of <i>Listeria</i> colonies for identification and classification. <i>Journal of Biomedical Optics</i> , <b>2006</b> , 11, 34006	3.5	49
82	Interactions Between Chemical Functionality and Nanoscale Surface Topography Impact Fibronectin Conformation and Neuronal Differentiation on Model Sol-gel Silica Substrates. <i>Materials Research Society Symposia Proceedings</i> , <b>2006</b> , 950, 1		
81	Dyed Microspheres for Quantification of UV Dose Distributions: Photochemical Reactor Characterization by Lagrangian Actinometry. <i>Journal of Environmental Engineering, ASCE</i> , <b>2006</b> , 132, 1390-1403 <sup>31</sup>		
80	Sol-gel derived materials as substrates for neuronal differentiation: effects of surface features and protein conformation. <i>Journal of Materials Chemistry</i> , <b>2006</b> , 16, 3221		32

79	Measurement and analysis of angle-resolved scatter from small particles in a cylindrical microchannel. <i>Applied Optics</i> , <b>2006</b> , 45, 2222-31	1.7	8
78	Bacterial phenotype identification using Zernike moment invariants <b>2006</b> , 6080, 155		
77	Approaches to tracking and targeting drug interactions in living systems. <i>FASEB Journal</i> , <b>2006</b> , 20, A941	0.9	
76	Acrolein-induced cell death in PC12 cells: role of mitochondria-mediated oxidative stress. <i>Neurochemistry International</i> , <b>2005</b> , 47, 449-57	4.4	89
75	Influence of exercise training and age on CD14+ cell-surface expression of toll-like receptor 2 and 4. <i>Brain, Behavior, and Immunity</i> , <b>2005</b> , 19, 389-97	16.6	148
74	Role of aluminum-containing adjuvants in antigen internalization by dendritic cells in vitro. <i>Vaccine</i> , <b>2005</b> , 23, 1588-95	4.1	207
73	Comparative overview of flow and image cytometry. <i>Current Protocols in Cytometry</i> , <b>2005</b> , Chapter 12, Unit 12.1	3.6	6
72	Stochastic activation of the response regulator PhoB by noncognate histidine kinases. <i>Journal of Integrative Bioinformatics</i> , <b>2005</b> , 2, 10-22	3.8	19
71	Multispectral cytometry of single bio-particles using a 32-channel detector <b>2005</b> , 5692, 359		8
70	Multispectral imaging analysis: spectral deconvolution and applications in biology <b>2005</b> ,		2
69	Feature extraction for cellular shape analysis in high-content screening (HCS) applications <b>2005</b> ,		1
68	Mack Fulwyler in his own words. Interview by J. Paul Robinson and Ramunas A. Kondratas. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2005</b> , 67, 61-7	4.6	8
67	Comparative three-dimensional imaging of living neurons with confocal and atomic force microscopy. <i>Journal of Neuroscience Methods</i> , <b>2005</b> , 142, 177-84	3	29
66	Cytochemical differences in bacterial glycocalyx. <i>Microscopy and Microanalysis</i> , <b>2005</b> , 11, 2-8	0.5	11
65	Loss of image quality in photobleaching during microscopic imaging of fluorescent probes bound to chromatin. <i>Journal of Biomedical Optics</i> , <b>2005</b> , 10, 064015	3.5	30
64	AOTF-based system for image cytometry <b>2005</b> , 5694, 16		5
63	Confocal Fluorescence Imaging of Photosensitized DNA Denaturation in Cell Nuclei. <i>Photochemistry and Photobiology</i> , <b>2005</b> , 81, 960	3.6	24
62	Effect Of Exercise Training On Inflammatory Cytokine Production And Cell-surface Toll-like Receptor Expression. <i>Medicine and Science in Sports and Exercise</i> , <b>2005</b> , 37, S377	1.2	



61	The Influence Of Age, Physical Activity And 12-weeks Of Exercise Training On hs-CRP. <i>Medicine and Science in Sports and Exercise</i> , <b>2005</b> , 37, S376	1.2	
60	Local, three-dimensional strain measurements within largely deformed extracellular matrix constructs. <i>Journal of Biomechanical Engineering</i> , <b>2004</b> , 126, 699-708	2.1	54
59	Adaptive image-processing technique and effective visualization of confocal microscopy images. <i>Microscopy Research and Technique</i> , <b>2004</b> , 64, 156-63	2.8	19
58	AFM/CLSM data visualization and comparison using an open-source toolkit. <i>Microscopy Research and Technique</i> , <b>2004</b> , 64, 176-84	2.8	16
57	Overview of flow cytometry and microbiology. <i>Current Protocols in Cytometry</i> , <b>2004</b> , Chapter 11, Unit 11.1	3.6	3
56	Distribution of adsorbed antigen in mono-valent and combination vaccines. <i>Vaccine</i> , <b>2004</b> , 22, 1973-84	4.1	27
55	Simultaneous mechanical loading and confocal reflection microscopy for three-dimensional microbiomechanical analysis of biomaterials and tissue constructs. <i>Microscopy and Microanalysis</i> , <b>2003</b> , 9, 74-85	0.5	56
54	Analysis of orientations of collagen fibers by novel fiber-tracking software. <i>Microscopy and Microanalysis</i> , <b>2003</b> , 9, 574-80	0.5	24
53	Imaging, Flow Cytometry, and Functional Cytomics. <i>Microscopy and Microanalysis</i> , <b>2003</b> , 9, 214-215	0.5	
52	DPI induces mitochondrial superoxide-mediated apoptosis. <i>Free Radical Biology and Medicine</i> , <b>2003</b> , 34, 465-77	7.8	77
51	Investigations of phagosomes, mitochondria, and acidic granules in human neutrophils using fluorescent probes <b>2003</b> , 51, 21-9		46
50	Composite surface for blocking bacterial adsorption on protein biochips. <i>Biotechnology and Bioengineering</i> , <b>2003</b> , 81, 618-24	4.9	72
49	Micro-assembly of functionalized particulate monolayer on C18-derivatized SiO <sub>2</sub> surfaces. <i>Biotechnology and Bioengineering</i> , <b>2003</b> , 83, 416-27	4.9	15
48	Lysozyme for capture of microorganisms on protein biochips. <i>Enzyme and Microbial Technology</i> , <b>2003</b> , 33, 958-966	3.8	16
47	Automated quantification and reconstruction of collagen matrix from 3D confocal datasets. <i>Journal of Microscopy</i> , <b>2003</b> , 210, 158-65	1.9	38
46	Detection of apoptotic cells using a synthetic fluorescent sensor for membrane surfaces that contain phosphatidylserine. <i>Cell Death and Differentiation</i> , <b>2003</b> , 10, 1357-9	12.7	94
45	Mitochondrial complex I inhibitor rotenone induces apoptosis through enhancing mitochondrial reactive oxygen species production. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 8516-25	5.4	887
44	Overview of functional cell assays. <i>Current Protocols in Cytometry</i> , <b>2002</b> , Chapter 9, Unit 9.1	3.6	

43	Detection of reactive oxygen species by flow cytometry after spinal cord injury. <i>Journal of Neuroscience Methods</i> , <b>2002</b> , 120, 105-12	3	24
42	The increase of reactive oxygen species and their inhibition in an isolated guinea pig spinal cord compression model. <i>Spinal Cord</i> , <b>2002</b> , 40, 656-65	2.7	20
41	The Bioscope Initiative: Integrating Technology into the Biology Classroom. <i>American Biology Teacher</i> , <b>2002</b> , 64, 503-510	0.3	2
40	Tensile mechanical properties of three-dimensional type I collagen extracellular matrices with varied microstructure. <i>Journal of Biomechanical Engineering</i> , <b>2002</b> , 124, 214-22	2.1	470
39	Modeling ECM fiber formation: structure information extracted by analysis of 2D and 3D image sets <b>2002</b> ,		1
38	Oxidative metabolism. <i>Current Protocols in Cytometry</i> , <b>2001</b> , Chapter 9, Unit 9.7	3.6	10
37	Adsorption of avidin on microfabricated surfaces for protein biochip applications. <i>Biotechnology and Bioengineering</i> , <b>2001</b> , 73, 324-8	4.9	41
36	Microfluidic Biochip for Impedance Spectroscopy of Biological Species. <i>Biomedical Microdevices</i> , <b>2001</b> , 3, 201-209	3.7	122
35	An Online Data Web Site for Internet Research: Some Features and an Example. <i>American Behavioral Scientist</i> , <b>2001</b> , 45, 565-568	1.8	3
34	Flow cytometric analysis of microorganisms. <i>Methods in Cell Biology</i> , <b>2001</b> , 64, 511-37	1.8	25
33	Time-lapse confocal reflection microscopy of collagen fibrillogenesis and extracellular matrix assembly in vitro. <i>Biopolymers</i> , <b>2000</b> , 54, 222-34	2.2	231
32	Rapid purification of transfected porcine muscle cells. <i>Cytotechnology</i> , <b>2000</b> , 22, 217-23		1
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