

Joseph Paul Robinson

List of Publications by Citations

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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	Mitochondrial complex I inhibitor rotenone induces apoptosis through enhancing mitochondrial reactive oxygen species production. <i>Journal of Biological Chemistry</i> , 2003 , 278, 8516-25	5.4	887
185	Tunable lifetime multiplexing using luminescent nanocrystals. <i>Nature Photonics</i> , 2014 , 8, 32-36	33.9	530
184	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). <i>European Journal of Immunology</i> , 2019 , 49, 1457-1973	6.1	485
183	A cellular Trojan Horse for delivery of therapeutic nanoparticles into tumors. <i>Nano Letters</i> , 2007 , 7, 3759-3765	16.5	476
182	Tensile mechanical properties of three-dimensional type I collagen extracellular matrices with varied microstructure. <i>Journal of Biomechanical Engineering</i> , 2002 , 124, 214-22	2.1	470
181	Guidelines for the use of flow cytometry and cell sorting in immunological studies. <i>European Journal of Immunology</i> , 2017 , 47, 1584-1797	6.1	359
180	Bacteria-mediated delivery of nanoparticles and cargo into cells. <i>Nature Nanotechnology</i> , 2007 , 2, 441-9	28.7	242
179	Time-lapse confocal reflection microscopy of collagen fibrillogenesis and extracellular matrix assembly in vitro. <i>Biopolymers</i> , 2000 , 54, 222-34	2.2	231
178	Role of aluminum-containing adjuvants in antigen internalization by dendritic cells in vitro. <i>Vaccine</i> , 2005 , 23, 1588-95	4.1	207
177	The influence of exercise training on inflammatory cytokines and C-reactive protein. <i>Medicine and Science in Sports and Exercise</i> , 2007 , 39, 1714-9	1.2	183
176	Influence of exercise training and age on CD14+ cell-surface expression of toll-like receptor 2 and 4. <i>Brain, Behavior, and Immunity</i> , 2005 , 19, 389-97	16.6	148
175	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> , 2006 , 61, 388-93	6.4	122
174	Microfluidic Biochip for Impedance Spectroscopy of Biological Species. <i>Biomedical Microdevices</i> , 2001 , 3, 201-209	3.7	122
173	Small Intestinal Submucosa: A Tissue-Derived Extracellular Matrix That Promotes Tissue-Specific Growth and Differentiation of Cells in Vitro. <i>Tissue Engineering</i> , 1998 , 4, 157-174		115
172	On-the-fly decoding luminescence lifetimes in the microsecond region for lanthanide-encoded suspension arrays. <i>Nature Communications</i> , 2014 , 5, 3741	17.4	111
171	Measurement of intracellular fluorescence of human monocytes relative to oxidative metabolism. <i>Journal of Leukocyte Biology</i> , 1988 , 43, 304-10	6.5	111
170	Label-free detection of multiple bacterial pathogens using light-scattering sensor. <i>Biosensors and Bioelectronics</i> , 2009 , 24, 1685-92	11.8	110

169	Optical forward-scattering for detection of <i>Listeria monocytogenes</i> and other <i>Listeria</i> species. <i>Biosensors and Bioelectronics</i> , 2007 , 22, 1664-71	11.8	106
168	'Living cantilever arrays' for characterization of mass of single live cells in fluids. <i>Lab on A Chip</i> , 2008 , 8, 1034-41	7.2	98
167	Detection of apoptotic cells using a synthetic fluorescent sensor for membrane surfaces that contain phosphatidylserine. <i>Cell Death and Differentiation</i> , 2003 , 10, 1357-9	12.7	94
166	The role of alpha 1-antitrypsin deficiency in the pathogenesis of immune disorders. <i>Clinical Immunology and Immunopathology</i> , 1985 , 35, 363-80		93
165	Acrolein-induced cell death in PC12 cells: role of mitochondria-mediated oxidative stress. <i>Neurochemistry International</i> , 2005 , 47, 449-57	4.4	89
164	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> , 2007 , 71, 334-44	4.6	84
163	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> , 2008 , 88, 196-206	5.9	81
162	HISTORY OF SCIENCE. Flow cytometry strikes gold. <i>Science</i> , 2015 , 350, 739-40	33.3	77
161	DPI induces mitochondrial superoxide-mediated apoptosis. <i>Free Radical Biology and Medicine</i> , 2003 , 34, 465-77	7.8	77
160	Composite surface for blocking bacterial adsorption on protein biochips. <i>Biotechnology and Bioengineering</i> , 2003 , 81, 618-24	4.9	72
159	Intracellularly grown gold nanoparticles as potential surface-enhanced Raman scattering probes. <i>Journal of Biomedical Optics</i> , 2007 , 12, 020502	3.5	64
158	Stimulated Raman scattering flow cytometry for label-free single-particle analysis. <i>Optica</i> , 2017 , 4, 103	8.6	62
157	Variation in genome size of argasid and ixodid ticks. <i>Insect Biochemistry and Molecular Biology</i> , 2007 , 37, 399-408	4.5	56
156	Simultaneous mechanical loading and confocal reflection microscopy for three-dimensional biomechanical analysis of biomaterials and tissue constructs. <i>Microscopy and Microanalysis</i> , 2003 , 9, 74-85	0.5	56
155	Local, three-dimensional strain measurements within largely deformed extracellular matrix constructs. <i>Journal of Biomechanical Engineering</i> , 2004 , 126, 699-708	2.1	54
154	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> , 2012 , 81, 35-44	4.6	50
153	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> , 2008 , 73, 369-79	4.6	50
152	Feature extraction from light-scatter patterns of <i>Listeria</i> colonies for identification and classification. <i>Journal of Biomedical Optics</i> , 2006 , 11, 34006	3.5	49

151	Biophysical modeling of forward scattering from bacterial colonies using scalar diffraction theory. <i>Applied Optics</i> , 2007 , 46, 3639-48	1.7	46
150	Investigations of phagosomes, mitochondria, and acidic granules in human neutrophils using fluorescent probes 2003 , 51, 21-9		46
149	Phi29 pRNA vector for efficient escort of hammerhead ribozyme targeting survivin in multiple cancer cells. <i>Cancer Biology and Therapy</i> , 2007 , 6, 697-704	4.6	44
148	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> , 2012 , 5, 607-20	6.3	42
147	A numerical recipe for accurate image reconstruction from discrete orthogonal moments. <i>Pattern Recognition</i> , 2007 , 40, 659-669	7.7	41
146	Adsorption of avidin on microfabricated surfaces for protein biochip applications. <i>Biotechnology and Bioengineering</i> , 2001 , 73, 324-8	4.9	41
145	Laser optical sensor, a label-free on-plate <i>Salmonella enterica</i> colony detection tool. <i>MBio</i> , 2014 , 5, e01071-13	7.8	38
144	Validation of large-scale, monochromatic UV disinfection systems for drinking water using dyed microspheres. <i>Water Research</i> , 2008 , 42, 677-88	12.5	38
143	Automated quantification and reconstruction of collagen matrix from 3D confocal datasets. <i>Journal of Microscopy</i> , 2003 , 210, 158-65	1.9	38
142	Oxidative product formation analysis by flow cytometry. <i>Methods in Cell Biology</i> , 1994 , 41, 437-47	1.8	38
141	Computational analysis of high-throughput flow cytometry data. <i>Expert Opinion on Drug Discovery</i> , 2012 , 7, 679-93	6.2	35
140	Differential mitochondrial toxicity screening and multi-parametric data analysis. <i>PLoS ONE</i> , 2012 , 7, e45226	3.7	35
139	Using speech recognition for real-time captioning and lecture transcription in the classroom. <i>IEEE Transactions on Learning Technologies</i> , 2013 , 6, 299-311	4	34
138	Sol-gel derived materials as substrates for neuronal differentiation: effects of surface features and protein conformation. <i>Journal of Materials Chemistry</i> , 2006 , 16, 3221		32
137	Dyed Microspheres for Quantification of UV Dose Distributions: Photochemical Reactor Characterization by Lagrangian Actinometry. <i>Journal of Environmental Engineering, ASCE</i> , 2006 , 132, 1390-1403 ³¹		31
136	Loss of image quality in photobleaching during microscopic imaging of fluorescent probes bound to chromatin. <i>Journal of Biomedical Optics</i> , 2005 , 10, 064015	3.5	30
135	Isolation of two populations of myoblasts from porcine skeletal muscle. <i>Muscle and Nerve</i> , 1999 , 22, 43-50	5.4	30
134	Classification of bacterial contamination using image processing and distributed computing. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2013 , 17, 232-9	7.2	29

133	Comparative three-dimensional imaging of living neurons with confocal and atomic force microscopy. <i>Journal of Neuroscience Methods</i> , 2005 , 142, 177-84	3	29
132	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> , 2010 , 77, 1103-12	4.6	27
131	Distribution of adsorbed antigen in mono-valent and combination vaccines. <i>Vaccine</i> , 2004 , 22, 1973-84	4.1	27
130	An innovation in flow cytometry data collection and analysis producing a correlated multiple sample analysis in a single file. <i>Cytometry</i> , 1991 , 12, 82-90		27
129	Modeling light propagation through bacterial colonies and its correlation with forward scattering patterns. <i>Journal of Biomedical Optics</i> , 2010 , 15, 045001	3.5	26
128	Integrating cytomics and proteomics. <i>Molecular and Cellular Proteomics</i> , 2006 , 5, 2-13	7.6	25
127	Flow cytometric analysis of microorganisms. <i>Methods in Cell Biology</i> , 2001 , 64, 511-37	1.8	25
126	Analysis of orientations of collagen fibers by novel fiber-tracking software. <i>Microscopy and Microanalysis</i> , 2003 , 9, 574-80	0.5	24
125	Detection of reactive oxygen species by flow cytometry after spinal cord injury. <i>Journal of Neuroscience Methods</i> , 2002 , 120, 105-12	3	24
124	Confocal Fluorescence Imaging of Photosensitized DNA Denaturation in Cell Nuclei. <i>Photochemistry and Photobiology</i> , 2005 , 81, 960	3.6	24
123	Familial occurrence of alpha 1-antitrypsin deficiency and Weber-Christian disease. <i>Archives of Dermatology</i> , 1983 , 119, 198-202		24
122	The time dependent activation of crystalline phosphoglucomutase by magnesium ions and imidazole. <i>Biochemical and Biophysical Research Communications</i> , 1960 , 3, 62-66	3.4	23
121	Phenotypic profiling of Raf inhibitors and mitochondrial toxicity in 3D tissue using biodynamic imaging. <i>Journal of Biomolecular Screening</i> , 2014 , 19, 526-37		21
120	An excitation wavelength-scanning spectral imaging system for preclinical imaging. <i>Review of Scientific Instruments</i> , 2008 , 79, 023707	1.7	21
119	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> , 2008 , 73, 715-26	4.6	21
118	The increase of reactive oxygen species and their inhibition in an isolated guinea pig spinal cord compression model. <i>Spinal Cord</i> , 2002 , 40, 656-65	2.7	20
117	A systematic assessment of mitochondrial function identified novel signatures for drug-induced mitochondrial disruption in cells. <i>Toxicological Sciences</i> , 2014 , 142, 261-73	4.4	19
116	System automation for a bacterial colony detection and identification instrument via forward scattering. <i>Measurement Science and Technology</i> , 2009 , 20, 015802	2	19

115	Analysis of time-resolved scattering from macroscale bacterial colonies. <i>Journal of Biomedical Optics</i> , 2008 , 13, 014010	3.5	19
114	Adaptive image-processing technique and effective visualization of confocal microscopy images. <i>Microscopy Research and Technique</i> , 2004 , 64, 156-63	2.8	19
113	Stochastic activation of the response regulator PhoB by noncognate histidine kinases. <i>Journal of Integrative Bioinformatics</i> , 2005 , 2, 10-22	3.8	19
112	Chronic cuffing of cervical vagus nerve inhibits efferent fiber integrity in rat model. <i>Journal of Neural Engineering</i> , 2018 , 15, 036018	5	19
111	Using Virtual Field Trips to Connect Students with University Scientists: Core Elements and Evaluation of zipTrips. <i>Journal of Science Education and Technology</i> , 2012 , 21, 607-618	2.8	18
110	The design and construction of a cost-efficient confocal laser scanning microscope. <i>American Journal of Physics</i> , 2007 , 75, 203-207	0.7	18
109	Compression of fluorescence microscopy images based on the signal-to-noise estimation. <i>Microscopy Research and Technique</i> , 2006 , 69, 1-9	2.8	17
108	AFM/CLSM data visualization and comparison using an open-source toolkit. <i>Microscopy Research and Technique</i> , 2004 , 64, 176-84	2.8	16
107	Lysozyme for capture of microorganisms on protein biochips. <i>Enzyme and Microbial Technology</i> , 2003 , 33, 958-966	3.8	16
106	Detection of canine interleukin-2 receptors by flow cytometry. <i>Veterinary Immunology and Immunopathology</i> , 1992 , 33, 17-24	2	16
105	Precision of light intensity measurement in biological optical microscopy. <i>Journal of Microscopy</i> , 2007 , 226, 163-74	1.9	15
104	Micro-assembly of functionalized particulate monolayer on C18-derivatized SiO ₂ surfaces. <i>Biotechnology and Bioengineering</i> , 2003 , 83, 416-27	4.9	15
103	High-throughput secondary screening at the single-cell level. <i>Journal of the Association for Laboratory Automation</i> , 2013 , 18, 85-98		14
102	Rapid multivariate analysis and display of cross-reacting antibodies on human leukocytes. <i>Cytometry</i> , 1992 , 13, 75-82		14
101	Portable bacterial identification system based on elastic light scatter patterns. <i>Journal of Biological Engineering</i> , 2012 , 6, 12	6.3	13
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> , 2007 , 73, 1423-34	5.7	13
99	Oxidative product formation in irradiated neutrophils. A flow cytometric analysis. <i>Transfusion</i> , 1987 , 27, 167-70	2.9	13
98	The nuclear structural protein NuMA is a negative regulator of 53BP1 in DNA double-strand break repair. <i>Nucleic Acids Research</i> , 2019 , 47, 2703-2715	20.1	13

97	Alternatives to current flow cytometry data analysis for clinical and research studies. <i>Methods</i> , 2018 , 134-135, 113-129	4.6	12
96	High speed classification of individual bacterial cells using a model-based light scatter system and multivariate statistics. <i>Applied Optics</i> , 2008 , 47, 678-86	1.7	12
95	Characterization of plasma cytokine response to intraperitoneally administered LPS & subdiaphragmatic branch vagus nerve stimulation in rat model. <i>PLoS ONE</i> , 2019 , 14, e0214317	3.7	11
94	A statistical modeling approach to computer-aided quantification of dental biofilm. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2015 , 19, 358-66	7.2	11
93	Development of a multispectral light-scatter sensor for bacterial colonies. <i>Journal of Biophotonics</i> , 2017 , 10, 634-644	3.1	11
92	Wallace H. Coulter: decades of invention and discovery. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2013 , 83, 424-38	4.6	11
91	Hyperspectral cytometry. <i>Current Topics in Microbiology and Immunology</i> , 2014 , 377, 191-210	3.3	11
90	Single- and two-photon spectral imaging of intrinsic fluorescence of transformed human hepatocytes. <i>Microscopy Research and Technique</i> , 2007 , 70, 869-79	2.8	11
89	Cytochemical differences in bacterial glycocalyx. <i>Microscopy and Microanalysis</i> , 2005 , 11, 2-8	0.5	11
88	Modulating the Inflammatory Reflex in Rats Using Low-Intensity Focused Ultrasound Stimulation of the Vagus Nerve. <i>Ultrasound in Medicine and Biology</i> , 2019 , 45, 481-489	3.5	11
87	Overview of Flow Cytometry and Microbiology. <i>Current Protocols in Cytometry</i> , 2018 , 84, e37	3.6	10
86	Mouse and human islets survive and function after coating by biosilicification. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013 , 305, E1230-40	6	10
85	Oxidative metabolism. <i>Current Protocols in Cytometry</i> , 2001 , Chapter 9, Unit 9.7	3.6	10
84	Microenvironment-controlled encapsulation (MiCE) process: effects of PLGA concentration, flow rate, and collection method on microcapsule size and morphology. <i>Pharmaceutical Research</i> , 2008 , 25, 5-15	4.5	10
83	High-Speed Cell Sorting21-48		10
82	Ultrastructure and cytochemical staining characteristics of canine natural killer cells. <i>The Anatomical Record</i> , 1995 , 243, 509-15		10
81	Development of a microbial high-throughput screening instrument based on elastic light scatter patterns. <i>Review of Scientific Instruments</i> , 2012 , 83, 044304	1.7	9
80	A Machine-Learning Approach to Detecting Unknown Bacterial Serovars. <i>Statistical Analysis and Data Mining</i> , 2010 , 3, 289-301	1.4	9

79	Application of flow cytometry for biomarker-based cervical cancer cells detection. <i>Diagnostic Cytopathology</i> , 2008 , 36, 76-84	1.4	9
78	Compound jet instability in a microchannel for mononuclear compound drop formation. <i>Journal of Micromechanics and Microengineering</i> , 2007 , 17, 1558-1566	2	9
77	Basal lamina of avian ovarian follicle: influence on morphology of granulosa cells in-vitro. <i>Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology</i> , 2000 , 125, 189-201		9
76	Leucine aminopeptidase activity by flow cytometry. <i>Methods in Cell Biology</i> , 1994 , 41, 461-7	1.8	9
75	Application of detector precision characteristics and histogram packing for compression of biological fluorescence micrographs. <i>Computer Methods and Programs in Biomedicine</i> , 2012 , 108, 511-23	6.9	8
74	Absolute CD4+ cell count using a plastic microchip and a microscopic cell counter. <i>Cytometry Part B - Clinical Cytometry</i> , 2009 , 76, 345-53	3.4	8
73	Measurement and analysis of angle-resolved scatter from small particles in a cylindrical microchannel. <i>Applied Optics</i> , 2006 , 45, 2222-31	1.7	8
72	Multispectral cytometry of single bio-particles using a 32-channel detector 2005 , 5692, 359		8
71	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> , 2005 , 67, 61-7	4.6	8
70	Time interval gating for analysis of cell function using flow cytometry. <i>Cytometry</i> , 1991 , 12, 701-6		8
69	AccessScope project: Accessible light microscope for users with upper limb mobility or visual impairments. <i>Disability and Rehabilitation: Assistive Technology</i> , 2010 , 5, 143-52	1.8	7
68	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> , 2008 , 12, 226-40		7
67	State of the Art in Information Extraction and Quantitative Analysis for Multimodality Biomolecular Imaging. <i>Proceedings of the IEEE</i> , 2008 , 96, 512-531	14.3	7
66	SEMANTIC ANALYSIS OF BIOLOGICAL IMAGING DATA: CHALLENGES AND OPPORTUNITIES. <i>International Journal of Semantic Computing</i> , 2007 , 01, 67-85	0.7	7
65	3-Methylindole-induced splenotoxicity: biochemical mechanisms of cytotoxicity. <i>Toxicology and Applied Pharmacology</i> , 1991 , 109, 375-90	4.6	7
64	Comparative overview of flow and image cytometry. <i>Current Protocols in Cytometry</i> , 2005 , Chapter 12, Unit 12.1	3.6	6
63	Effect of basal lamina on progesterone production by chicken granulosa cells in vitro--influence of follicular development. <i>Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology</i> , 2000 , 125, 233-44		6
62	Detection of E. coli labeled with metal-conjugated antibodies using lateral-flow assay and laser-induced breakdown spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 1291-1301	4.4	5

61	Reflected scatterometry for noninvasive interrogation of bacterial colonies. <i>Journal of Biomedical Optics</i> , 2016 , 21, 107004	3.5	5
60	Confocal Microscopy Methods and Protocols 1998 ,		5
59	Principles of Flow Cytometry 2007 , 19-40		5
58	AOTF-based system for image cytometry 2005 , 5694, 16		5
57	Use of flow cytometry to measure the interaction between Escherichia coli heat-stable enterotoxin and its intestinal receptor in mice. <i>Journal of Immunological Methods</i> , 1999 , 222, 65-72	2.5	5
56	Insulin modulates intestinal response of suckling mice to the Escherichia coli heat-stable enterotoxin. <i>Advances in Experimental Medicine and Biology</i> , 1999 , 473, 113-23	3.6	5
55	Current status and future prospects of using advanced computer-based methods to study bacterial colonial morphology. <i>Expert Review of Anti-Infective Therapy</i> , 2016 , 14, 207-18	5.5	3
54	Quantitative Analysis of Inter-object Spatial Relationships in Biological Images 2007 ,		3
53	Overview of flow cytometry and microbiology. <i>Current Protocols in Cytometry</i> , 2004 , Chapter 11, Unit 11.1	3.6	3
52	An Online Data Web Site for Internet Research: Some Features and an Example. <i>American Behavioral Scientist</i> , 2001 , 45, 565-568	1.8	3
51	Fractionation of bovine spermatozoa for sex selection: A rapid immunomagnetic technique to remove spermatozoa that contain the H-Y antigen. <i>Theriogenology</i> , 1993 , 40, 1177-1185	2.8	3
50	3-Methylindole-induced splenotoxicity: functional analysis of immune parameters and lymphocyte phenotyping by flow cytometry. <i>Toxicology and Applied Pharmacology</i> , 1991 , 109, 391-8	4.6	3
49	Integration of a barcode reader with a commercial flow cytometer. <i>Cytometry</i> , 1992 , 13, 193-7		3
48	Classification of Arcobacter species using variational autoencoders 2019 ,		3
47	Elastic Light Scatter Pattern Analysis for the Expedited Detection of Species in Pork Mince: Proof of Concept. <i>Frontiers in Microbiology</i> , 2021 , 12, 641801	5.7	3
46	Age-dependent variation in the density and affinity of Escherichia coli heat-stable enterotoxin receptors in mice. <i>Advances in Experimental Medicine and Biology</i> , 1999 , 473, 137-45	3.6	3
45	A Portable Spark-Induced Breakdown Spectroscopic (SIBS) Instrument and its Analytical Performance. <i>Applied Spectroscopy</i> , 2019 , 73, 698-708	3.1	2
44	Generalized spectral light scatter models of diverse bacterial colony morphologies. <i>Journal of Biophotonics</i> , 2019 , 12, e201900149	3.1	2

43	Learning with a non-exhaustive training dataset 2009 ,		2
42	FSM-based model for spatio-temporal event recognition for HCS 2007 ,		2
41	Confocal Fluorescence Imaging of Photosensitized DNA Denaturation in Cell Nuclei. <i>Photochemistry and Photobiology</i> , 2007 , 81, 960-969	3.6	2
40	GPU-based visualization techniques for 3D microscopic imaging data 2007 , 6498, 463		2
39	Multispectral imaging analysis: spectral deconvolution and applications in biology 2005 ,		2
38	The Bioscope Initiative: Integrating Technology into the Biology Classroom. <i>American Biology Teacher</i> , 2002 , 64, 503-510	0.3	2
37	Cell-Sorting Technology1-19		2
36	Ca ²⁺ redistribution from bound to free form is required for tumor necrosis factor actions in 30A5 preadipocytes. <i>Molecular Endocrinology</i> , 1990 , 4, 1671-8		2
35	Differential Effects of Lipid-lowering Drugs in Modulating Morphology of Cholesterol Particles. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	1
34	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> , 2014 , 2014, 4244-7	0.9	1
33	A distributed national network for label-free rapid identification of emerging pathogens 2011 ,		1
32	Development of a real-time system of monitoring bacterial colony growth and registering the forward-scattering pattern 2009 ,		1
31	A primer on computers, information management, and internet access for cytometry. <i>Clinical Immunology Newsletter</i> , 1997 , 17, 7-13		1
30	Application of wavelet denoising to improve compression efficiency while preserving integrity of digital micrographs. <i>Journal of Microscopy</i> , 2008 , 231, 81-96	1.9	1
29	Knowledge Extraction for High-Throughput Biological Imaging. <i>IEEE MultiMedia</i> , 2007 , 14, 52-62	2.1	1
28	Noninvasive forward-scattering system for rapid detection, characterization, and identification of <i>Listeria</i> colonies: image-processing and data analysis 2006 ,		1
27	Design of a wavelength-tunable light source using an acousto-optic tunable filter 2007 ,		1
26	Rapid Detection and Classification of Bacterial Contamination Using Grid Computing 2007 ,		1

25	Feature extraction for cellular shape analysis in high-content screening (HCS) applications 2005 ,		1
24	Modeling ECM fiber formation: structure information extracted by analysis of 2D and 3D image sets 2002 ,		1
23	Rapid purification of transfected porcine muscle cells. <i>Cytotechnology</i> , 2000 , 22, 217-23		1
22	The effect of intravenous immunoglobulin on the in vitro function of human neutrophils. <i>Immunopharmacology</i> , 1989 , 18, 97-105		1
21	New Technologies for Use in Toxicology Studies: Monitoring the Effects of Xenobiotics on Immune Function. <i>Journal of the American College of Toxicology</i> , 1990 , 9, 303-317		1
20	Multiplexed detection of lanthanides using laser-induced breakdown spectroscopy: a survey of data analysis techniques 2019 ,		1
19	In memoriam professor Zbigniew Darzynkiewicz - Cytometry pathfinder 1936-2021. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2021 , 99, 550-556	4.6	1
18	Optical multi-channel interrogation instrument for bacterial colony characterization. <i>PLoS ONE</i> , 2021 , 16, e0247721	3.7	1
17	Quantum approach for nanoparticle fluorescence by sub-ns photon detection. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2021 , 99, 145-151	4.6	1
16	Effects of forages, dust exposure and proresolving lipids on airway inflammation in horses. <i>American Journal of Veterinary Research</i> , 2021 , 1-9	1.1	0
15	High Throughput-Based Mitochondrial Function Assays by Multi-Parametric Flow Cytometry. <i>Current Protocols in Cytometry</i> , 2015 , 73, 9.48.1-9.48.9	3.6	
14	Overview of functional cell assays. <i>Current Protocols in Cytometry</i> , 2002 , Chapter 9, Unit 9.1	3.6	
13	Molecular and Cellular Probes. <i>Current Protocols in Cytometry</i> , 2008 , 45, 4.0.1	3.6	
12	Perspectives on Cellular Analysis: Linking Quantitation to Structure and Function by Instrumental Methods and Analysis. <i>Microscopy and Microanalysis</i> , 2008 , 14, 752-753	0.5	
11	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> , 2006 , 950, 1		
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