D Lansing Taylor

List of Publications by Year
in descending order

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197	13,197	15466 65	25716 108
papers	citations	h-index	g-index

207	207	207	11297
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biomanufacturing in low Earth orbit for regenerative medicine. Stem Cell Reports, 2022, 17, 1-13.	2.3	22
2	A Quantitative Systems Pharmacology Platform Reveals NAFLD Pathophysiological States and Targeting Strategies. Metabolites, 2022, 12, 528.	1.3	3
3	Analysis of reproducibility and robustness of a human microfluidic four-cell liver acinus microphysiology system (LAMPS). Toxicology, 2021, 448, 152651.	2.0	24
4	Human biomimetic liver microphysiology systems in drug development and precision medicine. Nature Reviews Gastroenterology and Hepatology, 2021, 18, 252-268.	8.2	54
5	Quantifying the progression of non-alcoholic fatty liver disease in human biomimetic liver microphysiology systems with fluorescent protein biosensors. Experimental Biology and Medicine, 2021, 246, 2420-2441.	1.1	5
6	Inhibition of RPS6K reveals context-dependent Akt activity in luminal breast cancer cells. PLoS Computational Biology, 2021, 17, e1009125.	1.5	3
7	A systemsâ€level study reveals hostâ€targeted repurposable drugs against SARSâ€CoVâ€2 infection. Molecular Systems Biology, 2021, 17, e10239.	3.2	22
8	In situ functional cell phenotyping reveals microdomain networks in colorectal cancer recurrence. Cell Reports Methods, 2021, 1, 100072.	1.4	3
9	Paths to Successful Translation of New Therapies for Severe Traumatic Brain Injury in the Golden Age of Traumatic Brain Injury Research: A Pittsburgh Vision. Journal of Neurotrauma, 2020, 37, 2353-2371.	1.7	31
10	Improving natural product research translation: From source to clinical trial. FASEB Journal, 2020, 34, 41-65.	0.2	45
11	Spatial domain analysis predicts risk of colorectal cancer recurrence and infers associated tumor microenvironment networks. Nature Communications, 2020, 11, 3515.	5.8	24
12	Applications of the microphysiology systems database for experimental ADME-Tox and disease models. Lab on A Chip, 2020, 20, 1472-1492.	3.1	25
13	Explainable AI (xAI) for Anatomic Pathology. Advances in Anatomic Pathology, 2020, 27, 241-250.	2.4	46
14	QuartataWeb: Integrated Chemicalâ€“Protein-Pathway Mapping for Polypharmacology and Chemogenomics. Bioinformatics, 2020, 36, 3935-3937.	1.8	23
15	Targeting NAD+ Biosynthesis Overcomes Panobinostat and Bortezomib-Induced Malignant Glioma Resistance. Molecular Cancer Research, 2020, 18, 1004-1017.	1.5	10
16	HistoMaprâ„¢: An Explainable AI (xAI) Platform for Computational Pathology Solutions. Lecture Notes in Computer Science, 2020, , 204-227.	1.0	5
17	Defective HNF4alpha-dependent gene expression as a driver of hepatocellular failure in alcoholic hepatitis. Nature Communications, 2019, 10, 3126.	5.8	124
18	Modeling the Effect of the Metastatic Microenvironment on Phenotypes Conferred by Estrogen Receptor Mutations Using a Human Liver Microphysiological System. Scientific Reports, 2019, 9, 8341.	1.6	15

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19	Harnessing Human Microphysiology Systems as Key Experimental Models for Quantitative Systems Pharmacology. Handbook of Experimental Pharmacology, 2019, 260, 327-367.	0.9	14
20	Integrating Analysis of Cellular Heterogeneity in High-Content Dose-Response Studies. Methods in Molecular Biology, 2018, 1745, 25-46.	0.4	0
21	Liver â€˜organ on a chipâ€™. Experimental Cell Research, 2018, 363, 15-25.	1.2	165
22	Clinically Observed Estrogen Receptor Alpha Mutations within the Ligand-Binding Domain Confer Distinguishable Phenotypes. Oncology, 2018, 94, 176-189.	0.9	20
23	Opportunities and Challenges in Implementation of Multiparameter Single Cell Analysis Platforms for Clinical Translation. Clinical and Translational Science, 2018, 11, 267-276.	1.5	13
24	A glass-based, continuously zonated and vascularized human liver acinus microphysiological system (vLAMPS) designed for experimental modeling of diseases and ADME/TOX. Lab on A Chip, 2018, 18, 2614-2631.	3.1	99
25	A Quantitative Systems Pharmacology Approach to Infer Pathways Involved in Complex Disease Phenotypes. Methods in Molecular Biology, 2018, 1787, 207-222.	0.4	3
26	Biologically Relevant Heterogeneity: Metrics and Practical Insights. SLAS Discovery, 2017, 22, 213-237.	1.4	65
27	Functional Coupling of Human Microphysiology Systems: Intestine, Liver, Kidney Proximal Tubule, Blood-Brain Barrier and Skeletal Muscle. Scientific Reports, 2017, 7, 42296.	1.6	193
28	Control of oxygen tension recapitulates zone-specific functions in human liver microphysiology systems. Experimental Biology and Medicine, 2017, 242, 1617-1632.	1.1	109
29	Pre-clinical and clinical investigations of metabolic zonation in liver diseases: The potential of microphysiology systems. Experimental Biology and Medicine, 2017, 242, 1605-1616.	1.1	66
30	Spatial Statistics for Segmenting Histological Structures in H&E Stained Tissue Images. IEEE Transactions on Medical Imaging, 2017, 36, 1522-1532.	5.4	20
31	Platform for Quantitative Evaluation of Spatial Intratumoral Heterogeneity in Multiplexed Fluorescence Images. Cancer Research, 2017, 77, e71-e74.	0.4	19
32	Architectural patterns for differential diagnosis of proliferative breast lesions from histopathological images. , 2017, 2017, 152-155.		4
33	Evolution of Experimental Models of the Liver to Predict Human Drug Hepatotoxicity and Efficacy. Clinics in Liver Disease, 2017, 21, 197-214.	1.0	33
34	Connecting Neuronal Cell Protective Pathways and Drug Combinations in a Huntingtonâ€™s Disease Model through the Application of Quantitative Systems Pharmacology. Scientific Reports, 2017, 7, 17803.	1.6	22
35	Inaugural Charles River World Congress on Animal Models in Drug Discovery and Development. Journal of Translational Medicine, 2017, 15, .	1.8	1
36	Histological Detection of High-Risk Benign Breast Lesions from Whole Slide Images. Lecture Notes in Computer Science, 2017, , 144-152.	1.0	5

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37	The Microphysiology Systems Database for Analyzing and Modeling Compound Interactions with Human and Animal Organ Models. Applied in Vitro Toxicology, 2016, 2, 103-117.	0.6	27
38	A Tissue Systems Pathology Assay for High-Risk Barrett's Esophagus. Cancer Epidemiology Biomarkers and Prevention, 2016, 25, 958-968.	1.1	45
39	Liver metastases: Microenvironments andex-vivomodels. Experimental Biology and Medicine, 2016, 241, 1639-1652.	1.1	77
40	Proteomic Screening and Lasso Regression Reveal Differential Signaling in Insulin and Insulin-like Growth Factor I (IGF1) Pathways. Molecular and Cellular Proteomics, 2016, 15, 3045-3057.	2.5	22
41	A metric and workflow for quality control in the analysis of heterogeneity in phenotypic profiles and screens. Methods, 2016, 96, 12-26.	1.9	14
42	Organs-on-Chips as Bridges for Predictive Toxicology. Applied in Vitro Toxicology, 2016, 2, 97-102.	0.6	23
43	A Perspective on Implementing a Quantitative Systems Pharmacology Platform for Drug Discovery and the Advancement of Personalized Medicine. Journal of Biomolecular Screening, 2016, 21, 521-534.	2.6	46
44	A human liver microphysiology platform for investigating physiology, drug safety, and disease models. Experimental Biology and Medicine, 2016, 241, 101-114.	1.1	185
45	Pointwise mutual information quantifies intratumor heterogeneity in tissue sections labeled with multiple fluorescent biomarkers. Journal of Pathology Informatics, 2016, 7, 47.	0.8	18
46	Fluorescent protein biosensors applied to microphysiological systems. Experimental Biology and Medicine, 2015, 240, 795-808.	1.1	29
47	High-Content Analysis with Cellular and Tissue Systems Biology. , 2015, , 369-392.e7.		9
48	BalestraWeb: efficient online evaluation of drugâ€“target interactions. Bioinformatics, 2015, 31, 131-133.	1.8	28
49	TissueCypherâ„¢: A systems biology approach to anatomic pathology. Journal of Pathology Informatics, 2015, 6, 48.	0.8	29
50	Identifying and Quantifying Heterogeneity in High Content Analysis: Application of Heterogeneity Indices to Drug Discovery. PLoS ONE, 2014, 9, e102678.	1.1	50
51	InÂvitro platforms for evaluating liver toxicity. Experimental Biology and Medicine, 2014, 239, 1180-1191.	1.1	145
52	Towards a three-dimensional microfluidic liver platform for predicting drug efficacy and toxicity in humans. Stem Cell Research and Therapy, 2013, 4, S16.	2.4	54
53	High-throughput profiling of tissue and tissue model microarrays: Combined transmitted light and 3-color fluorescence digital pathology. Journal of Pathology Informatics, 2011, 2, 50.	0.8	13
54	Early Safety Assessment Using Cellular Systems Biology Yields Insights into Mechanisms of Action. Journal of Biomolecular Screening, 2010, 15, 783-797.	2.6	28

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55	A Personal Perspective on High-Content Screening (HCS): From the Beginning. Journal of Biomolecular Screening, 2010, 15, 720-725.	2.6	37
56	Characterization and Optimization of a Novel Proteinâ€"Protein Interaction Biosensor High-Content Screening Assay to Identify Disruptors of the Interactions Between p53 and hDM2. Assay and Drug Development Technologies, 2010, 8, 437-458.	0.6	26
57	Applications of Cellular Systems Biology in Breast Cancer Patient Stratification and Diagnostics. Combinatorial Chemistry and High Throughput Screening, 2009, 12, 860-869.	0.6	14
58	Past, Present, and Future of High Content Screening and the Field of Cellomics. , 2007, 356, 3-18.		48
59	Reagents to Measure and Manipulate Cell Functions. , 2007, 356, 141-164.		10
60	Systems Cell Biology Based on Highâ€Content Screening. Methods in Enzymology, 2006, 414, 601-619.	0.4	44
61	High content screening. , 2005, , .		4
62	Systems Cell Biology Knowledge Created from High Content Screening. Assay and Drug Development Technologies, 2005, 3, 501-514.	0.6	39
63	Multiplexed high content screening assays create a systems cell biology approach to drug discovery. Drug Discovery Today: Technologies, 2005, 2, 149-154.	4.0	37
64	Imaging Cytometry: High Content Screening for Large-Scale Cell Research. , 2005, , 660-665.		0
65	High-Content Screening with siRNA Optimizes a Cell Biological Approach to Drug Discovery: Defining the Role of P53 Activation in the Cellular Response to Anticancer Drugs. Journal of Biomolecular Screening, 2004, 9, 557-568.	2.6	62
66	High content screening applied to large-scale cell biology. Trends in Biotechnology, 2004, 22, 15-22.	4.9	285
67	Internet-Based Image Analysis Quantifies Contractile Behavior of Individual Fibroblasts inside Model Tissue. Biophysical Journal, 2003, 84, 2715-2727.	0.2	48
68	Advances in High Content Screening for Drug Discovery. Assay and Drug Development Technologies, 2003, 1, 565-577.	0.6	182
69	[9] Cytomechanics applications of optical sectioning microscopy. Methods in Enzymology, 2003, 361, 175-197.	0.4	4
70	Topographical and Physicochemical Modification of Material Surface to Enable Patterning of Living Cells. Critical Reviews in Biotechnology, 2001, 21, 111-154.	5.1	163
71	Real-time molecular and cellular analysis: the new frontier of drug discovery. Current Opinion in Biotechnology, 2001, 12, 75-81.	3.3	130
72	Keratocytes Generate Traction Forces in Two Phases. Molecular Biology of the Cell, 1999, 10, 3745-3769.	0.9	171

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73	Title is missing!. Biomedical Microdevices, 1999, 2, 99-109.	1.4	65
74	The Actin-Based Nanomachine at the Leading Edge of Migrating Cells. Biophysical Journal, 1999, 77, 1721-1732.	0.2	248
75	Fluorescent-protein biosensors: New tools for drug discovery. Trends in Biotechnology, 1998, 16, 135-140.	4.9	148
76	High-Content Screening: A New Approach to Easing Key Bottlenecks in the Drug Discovery Process. Journal of Biomolecular Screening, 1997, 2, 249-259.	2.6	208
77	Automated Light Microscopy for the Study of the Brain: Cellular and Molecular Dynamics, Development, and Tumorigenesis. Annals of the New York Academy of Sciences, 1997, 820, 208-228.	1.8	13
78	Traction forces of cytokinesis measured with optically modified elastic substrata. Nature, 1997, 385, 450-454.	13.7	294
79	<title>Automated interactive microscopy: measuring and manipulating the chemical and molecular dynamics of cells and tissues</title>. , 1996, , .		7
80	<title>Three-dimensional display and quantitative analysis of multidimensional light microscope images</title>. , 1996, 2707, 97.		0
81	Myosin II transport, organization, and phosphorylation: evidence for cortical flow/solation-contraction coupling during cytokinesis and cell locomotion.. Molecular Biology of the Cell, 1996, 7, 1259-1282.	0.9	132
82	From in vitro to in vivo by dynamic multiwavelength imaging. , 1995, , .		5
83	[1] Light-optical-based reagents for the measurement and manipulation of ions, metabolites, and macromolecules in living cells. Methods in Neurosciences, 1995, , 1-16.	0.5	5
84	A fluorescent protein biosensor of myosin II regulatory light chain phosphorylation reports a gradient of phosphorylated myosin II in migrating cells.. Molecular Biology of the Cell, 1995, 6, 1755-1768.	0.9	59
85	Measurement and manipulation of cytoskeletal dynamics in living cells. Current Opinion in Cell Biology, 1995, 7, 4-12.	2.6	44
86	Fluorescent Protein Biosensors: Measurement of Molecular Dynamics in Living Cells. Annual Review of Biophysics and Biomolecular Structure, 1995, 24, 405-434.	18.3	103
87	<title>Three-dimensional imaging of biological specimens with standing wave fluorescence microscopy</title>. , 1994, , .		13
88	Fluorescent actin analogs with a high affinity for profilin in vitro exhibit an enhanced gradient of assembly in living cells. Journal of Cell Biology, 1994, 124, 971-983.	2.3	51
89	Potential of Machine-Vision Light Microscopy in Toxicologic Pathology. Toxicologic Pathology, 1994, 22, 145-159.	0.9	25
90	Antigen Presentation and Cytotoxic T Lymphocyte Killing Studied in Individual, Living Cells. Virology, 1994, 201, 330-340.	1.1	20

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91	Actin-crosslinking protein regulation of filament movement in motility assays: a theoretical model. Biophysical Journal, 1994, 67, 973-982.	0.2	8
92	<title>New waves in light microscopy</title>. , 1994, 2137, 2.		1
93	<title>Mapping intracellular biochemistry with fluorescence anisotropy imaging microscopy</title>. , 1994, 2137, 252.		0
94	A genetically engineered, protein-based optical biosensor of myosin II regulatory light chain phosphorylation. Journal of Biological Chemistry, 1994, 269, 12880-7.	1.6	34
95	Enhancement of axial resolution in fluorescence microscopy by standing-wave excitation. Nature, 1993, 366, 44-48.	13.7	332
96	Multimode Light Microscopy and the Dynamics of Molecules, Cells, and Tissues. Annual Review of Physiology, 1993, 55, 785-817.	5.6	75
97	Gradients in the concentration and assembly of myosin II in living fibroblasts during locomotion and fiber transport.. Molecular Biology of the Cell, 1993, 4, 819-836.	0.9	72
98	In vitro models of tail contraction and cytoplasmic streaming in amoeboid cells.. Journal of Cell Biology, 1993, 123, 345-356.	2.3	70
99	Fluorescence anisotropy imaging microscopy maps calmodulin binding during cellular contraction and locomotion.. Journal of Cell Biology, 1993, 121, 1095-1107.	2.3	103
100	A photocross-linking fluorescent indicator of mitochondrial membrane potential.. Journal of Histochemistry and Cytochemistry, 1993, 41, 631-634.	1.3	4
101	Relative distribution of actin, myosin I, and myosin II during the wound healing response of fibroblasts.. Journal of Cell Biology, 1993, 120, 1381-1391.	2.3	143
102	Near-field fluorescence imaging of cytoskeletal actin. , 1993, 1, 129.		3
103	Quantitation of cytoskeletal fibers in fluorescence images: Stress fiber disassembly accompanies dephosphorylation of the regulatory light chains of myosin II. Bioimaging, 1993, 1, 136-150.	1.8	8
104	2-Deoxyglucose and cytochalasin D modulate aldolase mobility in living 3T3 cells.. Journal of Cell Biology, 1992, 118, 859-863.	2.3	67
105	Myosin II phosphorylation and the dynamics of stress fibers in serum-deprived and stimulated fibroblasts.. Molecular Biology of the Cell, 1992, 3, 1037-1048.	0.9	52
106	Patterns of elevated free calcium and calmodulin activation in living cells. Nature, 1992, 359, 736-738.	13.7	171
107	Multimode light microscopy. Fresenius' Journal of Analytical Chemistry, 1992, 343, 38-38.	1.5	1
108	Actin-binding proteins regulate the work performed by myosin II motors on single actin filaments. Cytoskeleton, 1992, 22, 274-280.	4.4	46

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109	Chapter 11 Regulation of Actin and Myosin II Dynamics in Living Cells. Current Topics in Membranes, 1991, 38, 187-206.	0.5	3
110	Imaging cytometry by multiparameter fluorescence. Cytometry, 1991, 12, 579-596.	1.8	58
111	Modulation of contraction by gelation/solation in a reconstituted motile model.. Journal of Cell Biology, 1991, 114, 1005-1015.	2.3	108
112	The role of solation-contraction coupling in regulating stress fiber dynamics in nonmuscle cells.. Journal of Cell Biology, 1991, 114, 993-1003.	2.3	83
113	<title>Knowledge-driven image analysis of cell structures</title>. , 1991, , .		5
114	Formation, transport, contraction, and disassembly of stress fibers in fibroblasts. Cytoskeleton, 1990, 16, 14-21.	4.4	68
115	A calcium-sensitive fluorescent analog of calmodulin based on a novel calmodulin-binding fluorophore. Journal of Biological Chemistry, 1990, 265, 20335-20345.	1.6	41
116	Temporal and Spatial Dynamics of the Actin-Based Cytoskeleton. Proceedings Annual Meeting Electron Microscopy Society of America, 1990, 48, 546-546.	0.0	0
117	A calcium-sensitive fluorescent analog of calmodulin based on a novel calmodulin-binding fluorophore. Journal of Biological Chemistry, 1990, 265, 20335-45.	1.6	27
118	Multiple spectral parameter imaging in quantitative fluorescence microscopy. I: Quantitativn of bead standards. Computerized Medical Imaging and Graphics, 1989, 13, 47-60.	3.5	14
119	Correlated distribution of actin, myosin, and microtubules at the leading edge of migrating swiss 3T3 fibroblasts. Cytoskeleton, 1989, 14, 527-543.	4.4	57
120	Evaluation of algorithms for ratio imaging in fluorescence microscopy. Cytometry, 1989, 10, 357-374.	1.8	5
121	Heterogeneity of the changes in cytoplasmic pH upon serum stimulation of quiescent fibroblasts. Journal of Cellular Physiology, 1989, 141, 410-419.	2.0	49
122	Multiparameter Fluorescence And Selection Of Optimal Filter Sets: Mathematics And Computer Program.. Proceedings of SPIE, 1989, , .	0.8	3
123	Chapter 6 Fluorescence Ratio Imaging Microscopy. Methods in Cell Biology, 1989, 30, 157-192.	0.5	146
124	Computer Aided Microscopy And Image Processing: An Overview Of Studies On Cell Movement.. , 1989, 1161, 248.		0
125	Approaches to the Study of Spatial and Temporal Changes in the Structure and Chemistry of Cells. , 1989, , 297-313.		3
126	Enolase exists in the fluid phase of cytoplasm in 3T3 cells. Journal of Cell Science, 1989, 94 (Pt 2), 333-42.	1.2	6

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127	Subcellular compartmentalization by local differentiation of cytoplasmic structure. Cytoskeleton, 1988, 10, 28-37.	4.4	57
128	The molecular mobility of ?-actinin and actin in a reconstituted model of gelation. Cytoskeleton, 1988, 11, 64-82.	4.4	22
129	Centripetal transport of cytoplasm, actin, and the cell surface in lamellipodia of fibroblasts. Cytoskeleton, 1988, 11, 235-247.	4.4	111
130	The Submicroscopic Properties of Cytoplasm as a Determinant of Cellular Function. Annual Review of Biophysics and Biophysical Chemistry, 1988, 17, 369-396.	12.2	142
131	Analysis of rhodamine and fluorescein-labeled F-actin diffusion in vitro by fluorescence photobleaching recovery. Biophysical Journal, 1988, 54, 801-815.	0.2	38
132	Chapter 13 Basic Fluorescence Microscopy. Methods in Cell Biology, 1988, 29, 207-237.	0.5	56
133	Aldolase exists in both the fluid and solid phases of cytoplasm [published erratum appears in J Cell Biol 1988 Dec;107(6 Pt 1):following 2463]. Journal of Cell Biology, 1988, 107, 981-991.	2.3	124
134	The dynamic distribution of fluorescent analogues of actin and myosin in protrusions at the leading edge of migrating Swiss 3T3 fibroblasts.. Journal of Cell Biology, 1988, 107, 2631-2645.	2.3	99
135	Five-parameter fluorescence imaging: wound healing of living Swiss 3T3 cells.. Journal of Cell Biology, 1987, 105, 1613-1622.	2.3	129
136	Fluorescence ratio imaging microscopy: temporal and spatial measurements of cytoplasmic pH. Journal of Cell Biology, 1987, 104, 1019-1033.	2.3	288
137	Chapter 9 Introduction of Exogenous Molecules into the Cytoplasm of Dictyostelium discoideum Amoebae by Controlled Sonication. Methods in Cell Biology, 1987, 28, 179-190.	0.5	19
138	Hindered diffusion of inert tracer particles in the cytoplasm of mouse 3T3 cells.. Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 4910-4913.	3.3	370
139	Early Cytoplasmic Signals and Cytoskeletal Responses Initiated by Growth Factors in Cultured Cells. , 1987, , 365-405.		3
140	In Memoriam Robert Day Allen (1927?1986). Annals of the New York Academy of Sciences, 1986, 483, xi-xi.	1.8	0
141	[47] Preparation of a fluorescent analog: Acetamidofluoresceinyl-labeled Dictyostelium discoideum Î±-actinin. Methods in Enzymology, 1986, 134, 487-507.	0.4	20
142	Probing the mechanism of incorporation of fluorescently labeled actin into stress fibers.. Journal of Cell Biology, 1986, 102, 1074-1084.	2.3	63
143	Fc-receptor-mediated phagocytosis occurs in macrophages without an increase in average [Ca++]i.. Journal of Cell Biology, 1986, 102, 1586-1592.	2.3	71
144	Probing the structure of cytoplasm.. Journal of Cell Biology, 1986, 102, 2015-2022.	2.3	312

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145	Measurement of cytoplasmic pH in Dictyostelium discoideum by using a new method for introducing macromolecules into living cells. European Journal of Cell Biology, 1986, 40, 242-7.	1.6	52
146	Aequorin entrapment in mammalian cells. Cell Calcium, 1985, 6, 83-93.	1.1	40
147	A transient rise in cytosolic calcium follows stimulation of quiescent cells with growth factors and is inhibitable with phorbol myristate acetate.. Journal of Cell Biology, 1985, 101, 372-379.	2.3	121
148	Structural organization of interphase 3T3 fibroblasts studied by total internal reflection fluorescence microscopy.. Journal of Cell Biology, 1985, 100, 1091-1102.	2.3	141
149	Behavior of a fluorescent analogue of calmodulin in living 3T3 cells.. Journal of Cell Biology, 1985, 101, 1245-1256.	2.3	62
150	Microspectrofluorometry by digital image processing: measurement of cytoplasmic pH.. Journal of Cell Biology, 1984, 98, 717-724.	2.3	130
151	Selective immunocytochemical detection of fluorescent analogs with antibodies specific for the fluorophore. Cell Motility, 1984, 4, 137-149.	1.9	11
152	A comparison of methods used to characterize gelation of actin in vitro. Cell Motility, 1984, 4, 197-213.	1.9	21
153	A method for incorporating macromolecules into adherent cells.. Journal of Cell Biology, 1984, 98, 1556-1564.	2.3	296
154	Isolation and characterization of a 30,000-dalton calcium-sensitive actin cross-linking protein from Dictyostelium discoideum.. Journal of Biological Chemistry, 1984, 259, 4514-4520.	1.6	69
155	Isolation and characterization of a 30,000-dalton calcium-sensitive actin cross-linking protein from Dictyostelium discoideum. Journal of Biological Chemistry, 1984, 259, 4514-20.	1.6	48
156	Effects of villin on the polymerization and subunit exchange of actin. Cell Motility, 1983, 3, 151-165.	1.9	19
157	Distribution of actin in spreading macrophages: a comparative study on living and fixed cells. Journal of Cell Biology, 1983, 96, 750-761.	2.3	117
158	Acidification of phagosomes is initiated before lysosomal enzyme activity is detected.. Journal of Cell Biology, 1983, 97, 692-702.	2.3	69
159	Abundance, relative gelation activity, and distribution of the 95,000-dalton actin-binding protein from Dictyostelium discoideum.. Journal of Cell Biology, 1983, 97, 178-185.	2.3	61
160	pH changes in pinosomes and phagosomes in the ameba, Chaos carolinensis.. Journal of Cell Biology, 1982, 94, 143-149.	2.3	48
161	Mobility of cytoplasmic and membrane-associated actin in living cells.. Proceedings of the National Academy of Sciences of the United States of America, 1982, 79, 4660-4664.	3.3	97
162	Chapter 1 luorescent Analog Cytochemistry of Contractile Proteins. Methods in Cell Biology, 1982, 25, 1-11.	0.5	32

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163	Cytoplasmic structure and contractility: the solation-contraction coupling hypothesis. Philosophical Transactions of the Royal Society of London Series B, Biological Sciences, 1982, 299, 185-197.	2.4	114
164	A calcium- and pH-regulated actin binding protein from D. discoideum. Cell Motility, 1982, 2, 287-308.	1.9	64
165	Calcium Regulation in Amoeboid Movement. , 1982, , 349-373.		1
166	A stable, high capacity, F-actin affinity column.. Journal of Biological Chemistry, 1982, 257, 13095-13100.	1.6	22
167	Cellular and Molecular Aspects of Amoeboid Movement. Cold Spring Harbor Symposia on Quantitative Biology, 1982, 46, 101-111.	2.0	21
168	A stable, high capacity, F-actin affinity column. Journal of Biological Chemistry, 1982, 257, 13095-100.	1.6	19
169	Fluorescent analog cytochemistry of contractile proteins. Methods in Cell Biology, 1982, 25 Pt B, 1-11.	0.5	16
170	Fluorescence photobleaching recovery in solutions of labeled actin. Biophysical Journal, 1981, 35, 351-364.	0.2	64
171	Probing the dynamic equilibrium of actin polymerization by fluorescence energy transfer. Cell, 1981, 27, 429-436.	13.5	50
172	Exchange of 1,N6-etheno-ATP with actin-bound nucleotides as a tool for studying the steady-state exchange of subunits in F-actin solutions.. Proceedings of the National Academy of Sciences of the United States of America, 1981, 78, 5503-5507.	3.3	23
173	A membrane cytoskeleton from Dictyostelium discoideum. I. Identification and partial characterization of an actin-binding activity.. Journal of Cell Biology, 1981, 88, 396-409.	2.3	98
174	Spectrin promotes the association of F-actin with the cytoplasmic surface of the human erythrocyte membrane. Journal of Cell Biology, 1981, 88, 388-395.	2.3	47
175	Detection of actin assembly by fluorescence energy transfer.. Journal of Cell Biology, 1981, 89, 362-367.	2.3	129
176	Fluorescently labelled molecules as probes of the structure and function of living cells. Nature, 1980, 284, 405-410.	13.7	197
177	Contractile basis of ameboid movement. VII. The distribution of fluorescently labeled actin in living amebas.. Journal of Cell Biology, 1980, 86, 590-598.	2.3	96
178	Preparation and characterization of a new molecular cytochemical probe: 5-iodoacetamidofluorescein-labeled actin.. Journal of Histochemistry and Cytochemistry, 1980, 28, 1198-1206.	1.3	77
179	Contractile basis of ameboid movement. VII. Aequorin luminescence during ameboid movement, endocytosis, and capping.. Journal of Cell Biology, 1980, 86, 599-607.	2.3	129
180	Spectrin plus band 4.1 cross-link actin. Regulation by micromolar calcium.. Journal of Cell Biology, 1980, 85, 361-376.	2.3	216

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181	Intracellular pH in single motile cells.. Journal of Cell Biology, 1980, 86, 885-890.	2.3	67
182	Image Intensification Applied to Light Microscopy. BioScience, 1980, 30, 586-592.	2.2	45
183	The contractile basis of ameboid movement. VI. The solation-contraction coupling hypothesis.. Journal of Cell Biology, 1979, 83, 633-648.	2.3	158
184	Distribution of fluorescently labeled actin in living sea urchin eggs during early development.. Journal of Cell Biology, 1979, 81, 672-679.	2.3	117
185	Cytoplasmic Structure and Contractility in Amoeboid Cells. International Review of Cytology, 1979, 56, 57-144.	6.2	321
186	Molecular cytochemistry: incorporation of fluorescently labeled actin into living cells.. Proceedings of the National Academy of Sciences of the United States of America, 1978, 75, 857-861.	3.3	147
187	The contractile basis of amoeboid movement: V. The control of gelation, solation, and contraction in extracts from dictyostelium discoideum. Journal of Cell Biology, 1977, 74, 901-927.	2.3	200
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