

Peter Friedl

List of Publications by Year in descending order

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157
papers

28,939
citations

13099

68
h-index

7518

151
g-index

175
all docs

175
docs citations

175
times ranked

27758
citing authors

#	ARTICLE	IF	CITATIONS
1	Tumour-cell invasion and migration: diversity and escape mechanisms. <i>Nature Reviews Cancer</i> , 2003, 3, 362-374.	28.4	2,757
2	Collective cell migration in morphogenesis, regeneration and cancer. <i>Nature Reviews Molecular Cell Biology</i> , 2009, 10, 445-457.	37.0	2,170
3	Cancer Invasion and the Microenvironment: Plasticity and Reciprocity. <i>Cell</i> , 2011, 147, 992-1009.	28.9	1,669
4	Compensation mechanism in tumor cell migration. <i>Journal of Cell Biology</i> , 2003, 160, 267-277.	5.2	1,284
5	Plasticity of cell migration: a multiscale tuning model. <i>Journal of Cell Biology</i> , 2010, 188, 11-19.	5.2	1,187
6	Physical limits of cell migration: Control by ECM space and nuclear deformation and tuning by proteolysis and traction force. <i>Journal of Cell Biology</i> , 2013, 201, 1069-1084.	5.2	1,123
7	Nuclear envelope rupture and repair during cancer cell migration. <i>Science</i> , 2016, 352, 353-358.	12.6	1,003
8	Multi-step pericellular proteolysis controls the transition from individual to collective cancer cell invasion. <i>Nature Cell Biology</i> , 2007, 9, 893-904.	10.3	888
9	Classifying collective cancer cell invasion. <i>Nature Cell Biology</i> , 2012, 14, 777-783.	10.3	807
10	Prespecification and plasticity: shifting mechanisms of cell migration. <i>Current Opinion in Cell Biology</i> , 2004, 16, 14-23.	5.4	598
11	Readily Accessible Bicyclononynes for Bioorthogonal Labeling and Three-dimensional Imaging of Living Cells. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9422-9425.	13.8	592
12	The biology of cell locomotion within three-dimensional extracellular matrix. <i>Cellular and Molecular Life Sciences</i> , 2000, 57, 41-64.	5.4	581
13	Collagen-based cell migration models in vitro and in vivo. <i>Seminars in Cell and Developmental Biology</i> , 2009, 20, 931-941.	5.0	558
14	Interstitial leukocyte migration and immune function. <i>Nature Immunology</i> , 2008, 9, 960-969.	14.5	509
15	Mechanoreciprocity in cell migration. <i>Nature Cell Biology</i> , 2018, 20, 8-20.	10.3	435
16	Antigen Presentation in Extracellular Matrix. <i>Immunity</i> , 2000, 13, 323-332.	14.3	408
17	Nuclear mechanics during cell migration. <i>Current Opinion in Cell Biology</i> , 2011, 23, 55-64.	5.4	408
18	Amoeboid shape change and contact guidance: T-lymphocyte crawling through fibrillar collagen is independent of matrix remodeling by MMPs and other proteases. <i>Blood</i> , 2003, 102, 3262-3269.	1.4	400

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19	Collective cell migration in morphogenesis and cancer. <i>International Journal of Developmental Biology</i> , 2004, 48, 441-449.	0.6	388
20	Collective cell migration: guidance principles and hierarchies. <i>Trends in Cell Biology</i> , 2015, 25, 556-566.	7.9	340
21	Tube Travel: The Role of Proteases in Individual and Collective Cancer Cell Invasion. <i>Cancer Research</i> , 2008, 68, 7247-7249.	0.9	297
22	Mechanisms of collective cell migration at a glance. <i>Journal of Cell Science</i> , 2009, 122, 3203-3208.	2.0	296
23	Extracellular matrix determinants of proteolytic and non-proteolytic cell migration. <i>Trends in Cell Biology</i> , 2011, 21, 736-744.	7.9	293
24	Cell migration strategies in 3-D extracellular matrix: Differences in morphology, cell matrix interactions, and integrin function. <i>Microscopy Research and Technique</i> , 1998, 43, 369-378.	2.2	282
25	Interstitial guidance of cancer invasion. <i>Journal of Pathology</i> , 2012, 226, 185-199.	4.5	279
26	Intravital third harmonic generation microscopy of collective melanoma cell invasion. <i>Intravital</i> , 2012, 1, 32-43.	2.0	277
27	Tuning Collective Cell Migration by Cell-Cell Junction Regulation. <i>Cold Spring Harbor Perspectives in Biology</i> , 2017, 9, a029199.	5.5	268
28	Cell jamming: Collective invasion of mesenchymal tumor cells imposed by tissue confinement. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 2386-2395.	2.4	260
29	Tuning immune responses: diversity and adaptation of the immunological synapse. <i>Nature Reviews Immunology</i> , 2005, 5, 532-545.	22.7	252
30	Collective cell movement in primary melanoma explants: plasticity of cell-cell interaction, beta1-integrin function, and migration strategies. <i>Cancer Research</i> , 2002, 62, 2125-30.	0.9	251
31	Proteolytic interstitial cell migration: a five-step process. <i>Cancer and Metastasis Reviews</i> , 2009, 28, 129-135.	5.9	242
32	Dynamic imaging of cancer growth and invasion: a modified skin-fold chamber model. <i>Histochemistry and Cell Biology</i> , 2008, 130, 1147-1154.	1.7	224
33	Mapping proteolytic cancer cell-extracellular matrix interfaces. <i>Clinical and Experimental Metastasis</i> , 2009, 26, 289-298.	3.3	213
34	New dimensions in cell migration. <i>Nature Reviews Molecular Cell Biology</i> , 2012, 13, 743-747.	37.0	212
35	Cell-cell adhesion and 3D matrix confinement determine jamming transitions in breast cancer invasion. <i>Nature Cell Biology</i> , 2020, 22, 1103-1115.	10.3	209
36	Migration of highly aggressive MV3 melanoma cells in 3-dimensional collagen lattices results in local matrix reorganization and shedding of alpha2 and beta1 integrins and CD44. <i>Cancer Research</i> , 1997, 57, 2061-70.	0.9	204

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37	CD4+ T lymphocytes migrating in three-dimensional collagen lattices lack focal adhesions and utilize $\beta 1$ integrin-independent strategies for polarization, interaction with collagen fibers and locomotion. <i>European Journal of Immunology</i> , 1998, 28, 2331-2343.	2.9	202
38	Plasticity of Cell Migration In Vivo and In Silico. <i>Annual Review of Cell and Developmental Biology</i> , 2016, 32, 491-526.	9.4	201
39	Determinants of leader cells in collective cell migration. <i>Integrative Biology (United Kingdom)</i> , 2010, 2, 568.	1.3	196
40	Migration of coordinated cell clusters in mesenchymal and epithelial cancer explants in vitro. <i>Cancer Research</i> , 1995, 55, 4557-60.	0.9	184
41	Interstitial cell migration: integrin-dependent and alternative adhesion mechanisms. <i>Cell and Tissue Research</i> , 2010, 339, 83-92.	2.9	169
42	Infrared multiphoton microscopy: subcellular-resolved deep tissue imaging. <i>Current Opinion in Biotechnology</i> , 2009, 20, 54-62.	6.6	168
43	Amoeboid leukocyte crawling through extracellular matrix: lessons from the Dictyostelium paradigm of cell movement. <i>Journal of Leukocyte Biology</i> , 2001, 70, 491-509.	3.3	154
44	Third harmonic generation microscopy of cells and tissue organization. <i>Journal of Cell Science</i> , 2016, 129, 245-55.	2.0	151
45	Examination of the foreign body response to biomaterials by nonlinear intravital microscopy. <i>Nature Biomedical Engineering</i> , 2017, 1, .	22.5	147
46	Combined Loss of Hey1 and HeyL Causes Congenital Heart Defects Because of Impaired Epithelial to Mesenchymal Transition. <i>Circulation Research</i> , 2007, 100, 856-863.	4.5	146
47	Rho GTPases in collective cell migration. <i>Small GTPases</i> , 2014, 5, e983869.	1.6	142
48	Cancer invasion and resistance: interconnected processes of disease progression and therapy failure. <i>Trends in Molecular Medicine</i> , 2012, 18, 13-26.	6.7	139
49	Molecular mechanisms of cancer cell invasion and plasticity. <i>British Journal of Dermatology</i> , 2006, 154, 11-15.	1.5	138
50	Towards targeting of shared mechanisms of cancer metastasis and therapy resistance. <i>Nature Reviews Cancer</i> , 2022, 22, 157-173.	28.4	125
51	Strain Stiffening of Fibrillar Collagen during Individual and Collective Cell Migration Identified by AFM Nanoindentation. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 21946-21955.	8.0	123
52	Functional Hierarchy of Simultaneously Expressed Adhesion Receptors: Integrin $\beta 1$ but Not CD44 Mediates MV3 Melanoma Cell Migration and Matrix Reorganization within Three-dimensional Hyaluronan-containing Collagen Matrices. <i>Molecular Biology of the Cell</i> , 1999, 10, 3067-3079.	2.1	121
53	Stathmin Activity Influences Sarcoma Cell Shape, Motility, and Metastatic Potential. <i>Molecular Biology of the Cell</i> , 2008, 19, 2003-2013.	2.1	121
54	Preclinical intravital microscopy of the tumour-stroma interface: invasion, metastasis, and therapy response. <i>Current Opinion in Cell Biology</i> , 2013, 25, 659-671.	5.4	121

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55	Two-photon laser-generated microtracks in 3D collagen lattices: principles of MMP-dependent and -independent collective cancer cell invasion. <i>Physical Biology</i> , 2011, 8, 015010.	1.8	120
56	A spectrum of biophysical interaction modes between T cells and different antigen-presenting cells during priming in 3-D collagen and in vivo. <i>Blood</i> , 2004, 104, 2801-2809.	1.4	119
57	Interaction of T cells with APCs: the serial encounter model. <i>Trends in Immunology</i> , 2001, 22, 187-191.	6.8	118
58	Proteolytic and non-proteolytic migration of tumour cells and leucocytes. <i>Biochemical Society Symposia</i> , 2003, 70, 277-285.	2.7	111
59	p53 family members in myogenic differentiation and rhabdomyosarcoma development. <i>Cancer Cell</i> , 2006, 10, 281-293.	16.8	108
60	Hypoxia Induces a HIF-1-Dependent Transition from Collective-to-Amoeboid Dissemination in Epithelial Cancer Cells. <i>Current Biology</i> , 2017, 27, 392-400.	3.9	107
61	Cytotoxic T cells are able to efficiently eliminate cancer cells by additive cytotoxicity. <i>Nature Communications</i> , 2021, 12, 5217.	12.8	99
62	Dynamic imaging of cellular interactions with extracellular matrix. <i>Histochemistry and Cell Biology</i> , 2004, 122, 183-190.	1.7	92
63	Focusing and sustaining the antitumor CTL effector killer response by agonist anti-CD137 mAb. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7551-7556.	7.1	92
64	Lymphocyte locomotion in three-dimensional collagen gels comparison of three quantitative methods for analysing cell trajectories. <i>Journal of Immunological Methods</i> , 1993, 165, 157-165.	1.4	80
65	p120-catenin-dependent collective brain infiltration by glioma cell networks. <i>Nature Cell Biology</i> , 2020, 22, 97-107.	10.3	79
66	Biological Second and Third Harmonic Generation Microscopy. <i>Current Protocols in Cell Biology</i> , 2007, 34, Unit 4.15.	2.3	76
67	Integrins, Cell Matrix Interactions and Cell Migration Strategies: Fundamental Differences in Leukocytes and Tumor Cells. <i>Cell Adhesion and Communication</i> , 1998, 6, 225-236.	1.7	75
68	Leukocyte-like movement patterns of metastatic cancer cells revealed in microfabricated systems and implicated in vivo. <i>Nature Communications</i> , 2018, 9, 4539.	12.8	73
69	Migration of dendritic cells within 3-D collagen lattices is dependent on tissue origin, state of maturation, and matrix structure and is maintained by proinflammatory cytokines. <i>Journal of Leukocyte Biology</i> , 2000, 67, 622-629.	3.3	72
70	T Cell Migration in Three-dimensional Extracellular Matrix: Guidance by Polarity and Sensations. <i>Autoimmunity</i> , 2000, 7, 249-266.	0.6	71
71	Plasticity of Cancer Cell Invasion—Mechanisms and Implications for Therapy. <i>Advances in Cancer Research</i> , 2016, 132, 209-264.	5.0	71
72	Recapitulating in vivo-like plasticity of glioma cell invasion along blood vessels and in astrocyte-rich stroma. <i>Histochemistry and Cell Biology</i> , 2017, 148, 395-406.	1.7	70

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73	p27 ^{kip1} Controls Cell Morphology and Motility by Regulating Microtubule-Dependent Lipid Raft Recycling. <i>Molecular and Cellular Biology</i> , 2010, 30, 2229-2240.	2.3	68
74	Collective invasion in ductal and lobular breast cancer associates with distant metastasis. <i>Clinical and Experimental Metastasis</i> , 2017, 34, 421-429.	3.3	66
75	The RacGEF Tiam1 inhibits migration and invasion of metastatic melanoma via a novel adhesive mechanism. <i>Journal of Cell Science</i> , 2004, 117, 4863-4871.	2.0	64
76	Functional imaging of pericellular proteolysis in cancer cell invasion. <i>Biochimie</i> , 2005, 87, 315-320.	2.6	62
77	Intravital microscopy of collective invasion plasticity in breast cancer. <i>DMM Disease Models and Mechanisms</i> , 2018, 11, .	2.4	62
78	T lymphocyte locomotion in a three-dimensional collagen matrix. Expression and function of cell adhesion molecules. <i>Journal of Immunology</i> , 1995, 154, 4973-85.	0.8	62
79	Plasticity of tumor cell invasion: governance by growth factors and cytokines. <i>Carcinogenesis</i> , 2016, 37, bgw098.	2.8	61
80	Rational Design of Mouse Models for Cancer Research. <i>Trends in Biotechnology</i> , 2018, 36, 242-251.	9.3	61
81	Diversity in immune-cell interactions: states and functions of the immunological synapse. <i>Trends in Cell Biology</i> , 2004, 14, 557-567.	7.9	60
82	The Tumor Suppressor Functions of p27 ^{kip1} Include Control of the Mesenchymal/Amoeboid Transition. <i>Molecular and Cellular Biology</i> , 2009, 29, 5031-5045.	2.3	60
83	Collective cancer invasion forms an integrin-dependent radioresistant niche. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	55
84	Purification, Structural Analysis, and Function of Natural ATAC, a Cytokine Secreted by CD8+ T Cells. <i>Journal of Biological Chemistry</i> , 1997, 272, 8817-8823.	3.4	51
85	Cytotoxic T lymphocyte migration and effector function in the tumor microenvironment. <i>Immunology Letters</i> , 2011, 138, 19-21.	2.5	51
86	Differential requirement of protein tyrosine kinases and protein kinase C in the regulation of T cell locomotion in three-dimensional collagen matrices. <i>Journal of Immunology</i> , 1997, 159, 3203-10.	0.8	50
87	MMP13 mediates cell cycle progression in melanocytes and melanoma cells: in vitro studies of migration and proliferation. <i>Molecular Cancer</i> , 2010, 9, 201.	19.2	49
88	Reconstructing Leukocyte Migration in 3D Extracellular Matrix by Time-Lapse Videomicroscopy and Computer-Assisted Tracking. , 2004, 239, 77-90.		48
89	Extracellular protonation modulates cell-cell interaction mechanics and tissue invasion in human melanoma cells. <i>Scientific Reports</i> , 2017, 7, 42369.	3.3	48
90	Influence of Corneal Collagen Crosslinking with Riboflavin and Ultraviolet-A Irradiation on Excimer Laser Surgery. , 2010, 51, 3929.		45

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91	Rho-directed forces in collective migration. <i>Nature Cell Biology</i> , 2014, 16, 208-210.	10.3	45
92	Intravital microscopy of osteolytic progression and therapy response of cancer lesions in the bone. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	42
93	TCR triggering on the move: diversity of T-cell interactions with antigen-presenting cells. <i>Immunological Reviews</i> , 2002, 186, 83-89.	6.0	40
94	Dorsoventral polarity directs cell responses to migration track geometries. <i>Science Advances</i> , 2020, 6, eaba6505.	10.3	39
95	Confocal reflection imaging of 3D fibrin polymers. <i>Blood Cells, Molecules, and Diseases</i> , 2006, 36, 191-193.	1.4	38
96	Release of cell fragments by invading melanoma cells. <i>European Journal of Cell Biology</i> , 2004, 83, 709-715.	3.6	37
97	Directing collagen fibers using counter-rotating cone extrusion. <i>Acta Biomaterialia</i> , 2015, 12, 113-121.	8.3	37
98	Adaptive adhesion systems mediate glioma cell invasion in complex environments. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	35
99	Cancer invasion into musculature: Mechanics, molecules and implications. <i>Seminars in Cell and Developmental Biology</i> , 2019, 93, 36-45.	5.0	35
100	Locomotory phenotypes of human tumor cell lines and T lymphocytes in a three-dimensional collagen lattice. <i>Cancer Letters</i> , 1997, 118, 173-180.	7.2	34
101	Migration of Dendritic Cells in 3D-Collagen Lattices. <i>Advances in Experimental Medicine and Biology</i> , 1997, , 97-103.	1.6	34
102	Mechanotransduction of mesenchymal melanoma cell invasion into 3D collagen lattices: Filopod-mediated extensionâ€“relaxation cycles and force anisotropy. <i>Experimental Cell Research</i> , 2013, 319, 2424-2433.	2.6	33
103	Fluorescence Lifetime Microscopy of Tumor Cell Invasion, Drug Delivery, and Cytotoxicity. <i>Methods in Enzymology</i> , 2012, 504, 109-125.	1.0	31
104	Intravital deep-tumor single-beam 3-photon, 4-photon, and harmonic microscopy. <i>ELife</i> , 2022, 11, .	6.0	31
105	Multi-scale analysis and modelling of collective migration in biological systems. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190377.	4.0	29
106	Dynamics of cellâ€“cell and cellâ€“matrix interactions in morphogenesis, regeneration and cancer. <i>Current Opinion in Cell Biology</i> , 2010, 22, 557-559.	5.4	27
107	IL-15 superagonist N-803 improves IFNÎ³ production and killing of leukemia and ovarian cancer cells by CD34+â€“progenitor-derived NK cells. <i>Cancer Immunology, Immunotherapy</i> , 2021, 70, 1305-1321.	4.2	27
108	Single cell-based automated quantification of therapy responses of invasive cancer spheroids in organotypic 3D culture. <i>Methods</i> , 2017, 128, 139-149.	3.8	27

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109	CCL11 and GM-CSF Differentially Use the Rho GTPase Pathway to Regulate Motility of Human Eosinophils in a Three-Dimensional Microenvironment. <i>Journal of Immunology</i> , 2008, 180, 8354-8360.	0.8	26
110	An open data ecosystem for cell migration research. <i>Trends in Cell Biology</i> , 2015, 25, 55-58.	7.9	26
111	Locomotor phenotypes of unstimulated CD45RA ^{high} and CD45RO ^{high} CD4 ⁺ and CD8 ⁺ lymphocytes in three-dimensional collagen lattices. <i>Immunology</i> , 1994, 82, 617-24.	4.4	25
112	Targeting CD44v6 for fluorescence-guided surgery in head and neck squamous cell carcinoma. <i>Scientific Reports</i> , 2018, 8, 10467.	3.3	24
113	Two-photon laser-generated microtracks in 3D collagen lattices: principles of MMP-dependent and -independent collective cancer cell invasion. <i>Physical Biology</i> , 2011, 8, 029501-029501.	1.8	23
114	Host responses to implants revealed by intravital microscopy. <i>Nature Reviews Materials</i> , 2022, 7, 6-22.	48.7	21
115	Collective invasion induced by an autocrine purinergic loop through connexin-43 hemichannels. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	21
116	Direct and rapid induction of migration in human CD4 ⁺ T lymphocytes within three-dimensional collagen matrices mediated by signalling via CD3 and/or CD2. <i>Immunology</i> , 1998, 95, 62-68.	4.4	20
117	A large-scale ¹⁹ F MRI-based cell migration assay to optimize cell therapy. <i>NMR in Biomedicine</i> , 2012, 25, 1095-1103.	2.8	20
118	Plasticity of the actin cytoskeleton in response to extracellular matrix nanostructure and dimensionality. <i>Biochemical Society Transactions</i> , 2014, 42, 1356-1366.	3.4	20
119	Radium 223-Mediated Zonal Cytotoxicity of Prostate Cancer in Bone. <i>Journal of the National Cancer Institute</i> , 2019, 111, 1042-1050.	6.3	20
120	Calpain-2 regulates hypoxia/HIF-induced plasticity toward amoeboid cancer cell migration and metastasis. <i>Current Biology</i> , 2022, 32, 412-427.e8.	3.9	19
121	Engineered bone for probing organotypic growth and therapy response of prostate cancer tumoroids in vitro. <i>Biomaterials</i> , 2019, 197, 296-304.	11.4	18
122	Transplantation of Autologous Keratinocyte Suspension in Fibrin Matrix to Chronic Venous Leg Ulcers: Improved Long-Term Healing after Removal of the Fibrin Carrier. <i>Dermatologic Surgery</i> , 2008, 34, 922-929.	0.8	16
123	Genomic instability of micronucleated cells revealed by single-cell comparative genomic hybridization. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2009, 75A, 562-568.	1.5	16
124	Alginate – Its Role in Neutrophil Responses and Signal Transduction towards Mucoid & Pseudomonas aeruginosa & Bacteria. <i>International Archives of Allergy and Immunology</i> , 1992, 99, 98-106.	2.1	15
125	Cell fusion: new mechanisms of plasticity in cancer?. <i>Lancet Oncology</i> , The, 2005, 6, 916-918.	10.7	15
126	Anti-CD137 monoclonal antibodies and adoptive T cell therapy: a perfect marriage?. <i>Cancer Immunology, Immunotherapy</i> , 2016, 65, 493-497.	4.2	15

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127	Effect of a mistletoe extract (Iscador® QuFrF) on viability and migratory behavior of human peripheral CD4+ and CD8+ T lymphocytes in three-dimensional collagen lattices. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 1997, 33, 710-716.	1.5	14
128	Transplantation of Autologous Keratinocyte Suspension in Fibrin Matrix to Chronic Venous Leg Ulcers. <i>Dermatologic Surgery</i> , 2008, 34, 922-929.	0.8	14
129	Plasticity of cell migration: a multiscale tuning model. <i>Journal of Experimental Medicine</i> , 2010, 207, i4-i4.	8.5	14
130	Yes-mediated phosphorylation of focal adhesion kinase at tyrosine 861 increases metastatic potential of prostate cancer cells. <i>Oncotarget</i> , 2015, 6, 10175-10194.	1.8	14
131	Migration of dendritic cells in 3D-collagen lattices. Visualisation of dynamic interactions with the substratum and the distribution of surface structures via a novel confocal reflection imaging technique. <i>Advances in Experimental Medicine and Biology</i> , 1997, 417, 97-103.	1.6	14
132	A three-dimensional organotypic assay to measure target cell killing by cytotoxic T lymphocytes. <i>Biochemical Pharmacology</i> , 2010, 80, 2087-2091.	4.4	13
133	Differential expression of p120-catenin 1 and 3 isoforms in epithelial tissues. <i>Scientific Reports</i> , 2019, 9, 90.	3.3	12
134	Community standards for open cell migration data. <i>GigaScience</i> , 2020, 9, .	6.4	12
135	P120 Catenin Isoforms Differentially Associate with Breast Cancer Invasion and Metastasis. <i>Cancers</i> , 2019, 11, 1459.	3.7	11
136	Molecular and Functional Characterization of the Four-Transmembrane Molecule L6 in Epidermal Keratinocytes. <i>Experimental Cell Research</i> , 2001, 267, 233-242.	2.6	10
137	Cancer invasion and resistance. <i>European Journal of Cancer, Supplement</i> , 2013, 11, 291-293.	2.2	10
138	Tutorial: methods for three-dimensional visualization of archival tissue material. <i>Nature Protocols</i> , 2021, 16, 4945-4962.	12.0	7
139	Actomyosin contractility requirements and reciprocal cell-tissue mechanics for cancer cell invasion through collagen-based channels. <i>European Physical Journal E</i> , 2022, 45, 48.	1.6	7
140	Immunological techniques. <i>Current Opinion in Immunology</i> , 2004, 16, 389-393.	5.5	6
141	A dynamic immunological synapse mediates homeostatic TCR-dependent and -independent signaling. <i>European Journal of Immunology</i> , 2010, 40, 2741-2750.	2.9	6
142	Translating Membrane Tension into Cytoskeletal Action by FBP17. <i>Developmental Cell</i> , 2015, 33, 628-630.	7.0	6
143	Stemness shaped by curvature. <i>Nature Materials</i> , 2016, 15, 827-828.	27.5	6
144	Rethinking research into metastasis. <i>ELife</i> , 2019, 8, .	6.0	6

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145	Enhancing ²²³ Ra Treatment Efficacy by Anti- α 1 Integrin Targeting. Journal of Nuclear Medicine, 2022, 63, 1039-1045.	5.0	6
146	To adhere or not to adhere?. Nature Reviews Molecular Cell Biology, 2010, 11, 3-3.	37.0	5
147	Metabolic Screening of Cytotoxic T-cell Effector Function Reveals the Role of CRAC Channels in Regulating Lethal Hit Delivery. Cancer Immunology Research, 2021, 9, 926-938.	3.4	5
148	Spatiotemporally controlled nano-sized third harmonic generation agents. Biomedical Optics Express, 2019, 10, 3301.	2.9	5
149	Compatibility of CO ₂ laser surgery and fluorescence detection in head and neck cancer cells. Head and Neck, 2019, 41, 1253-1259.	2.0	4
150	Dynamic imaging of cancer invasion and metastasis: principles and preclinical applications. Clinical and Experimental Metastasis, 2009, 26, 269-271.	3.3	3
151	A Swiss Army Knife for CTLs. Immunity, 2014, 41, 873-875.	14.3	3
152	Infrared multiphoton microscopy beyond 1 micron: system design and biomedical applications. , 2007, , .		2
153	Cell migration strategies in 3-D extracellular matrix: Differences in morphology, cell matrix interactions, and integrin function. , 0, .		1
154	Imaging mechanical properties of cancer cells during metastasis with Brillouin microspectroscopy. , 2022, , .		1
155	Infrared multiphoton microscopy beyond 1 micron: system design and biomedical applications. , 2007, , 6630, 125.		0
156	Extrazelluläre Matrix und Immunregulation. Fortschritte Der Praktischen Dermatologie Und Venerologie, 2003, , 55-59.	0.0	0
157	Multimodality of pericellular proteolysis in cancer cell invasion. , 2008, , 99-100.		0