

Richard O Hynes

List of Publications by Year in descending order

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160
papers

55,022
citations

4955

84
h-index

6294

158
g-index

164
all docs

164
docs citations

164
times ranked

49690
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrins: Versatility, modulation, and signaling in cell adhesion. <i>Cell</i> , 1992, 69, 11-25.	13.5	9,858
2	Integrins. <i>Cell</i> , 2002, 110, 673-687.	13.5	7,714
3	The Extracellular Matrix: Not Just Pretty Fibrils. <i>Science</i> , 2009, 326, 1216-1219.	6.0	2,754
4	A framework for advancing our understanding of cancer-associated fibroblasts. <i>Nature Reviews Cancer</i> , 2020, 20, 174-186.	12.8	2,012
5	Comparative Genomics of the Eukaryotes. <i>Science</i> , 2000, 287, 2204-2215.	6.0	1,573
6	Direct Signaling between Platelets and Cancer Cells Induces an Epithelial-Mesenchymal-Like Transition and Promotes Metastasis. <i>Cancer Cell</i> , 2011, 20, 576-590.	7.7	1,476
7	Genomic analysis of metastasis reveals an essential role for RhoC. <i>Nature</i> , 2000, 406, 532-535.	13.7	1,347
8	Overview of the Matrisome--An Inventory of Extracellular Matrix Constituents and Functions. <i>Cold Spring Harbor Perspectives in Biology</i> , 2012, 4, a004903-a004903.	2.3	942
9	The Matrisome: In Silico Definition and In Vivo Characterization by Proteomics of Normal and Tumor Extracellular Matrices. <i>Molecular and Cellular Proteomics</i> , 2012, 11, M111.014647.	2.5	920
10	Id1 and Id3 are required for neurogenesis, angiogenesis and vascularization of tumour xenografts. <i>Nature</i> , 1999, 401, 670-677.	13.7	861
11	Structure of integrin, a glycoprotein involved in the transmembrane linkage between fibronectin and actin. <i>Cell</i> , 1986, 46, 271-282.	13.5	815
12	The extracellular matrix: Tools and insights for the "omics" era. <i>Matrix Biology</i> , 2016, 49, 10-24.	1.5	793
13	Immunogenic Chemotherapy Sensitizes Tumors to Checkpoint Blockade Therapy. <i>Immunity</i> , 2016, 44, 343-354.	6.6	767
14	Three different fibronectin mRNAs arise by alternative splicing within the coding region. <i>Cell</i> , 1983, 35, 421-431.	13.5	750
15	β 3-integrin-deficient mice are a model for Glanzmann thrombasthenia showing placental defects and reduced survival. <i>Journal of Clinical Investigation</i> , 1999, 103, 229-238.	3.9	669
16	Mice lacking β 3 integrins are osteosclerotic because of dysfunctional osteoclasts. <i>Journal of Clinical Investigation</i> , 2000, 105, 433-440.	3.9	651
17	Distribution and Evolution of von Willebrand/Integrin A Domains: Widely Dispersed Domains with Roles in Cell Adhesion and Elsewhere. <i>Molecular Biology of the Cell</i> , 2002, 13, 3369-3387.	0.9	621
18	Extensive Vasculogenesis, Angiogenesis, and Organogenesis Precede Lethality in Mice Lacking All β v Integrins. <i>Cell</i> , 1998, 95, 507-519.	13.5	619

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19	The Talin Head Domain Binds to Integrin β 2 Subunit Cytoplasmic Tails and Regulates Integrin Activation. <i>Journal of Biological Chemistry</i> , 1999, 274, 28071-28074.	1.6	617
20	Lymphoid cells recognize an alternatively spliced segment of fibronectin via the integrin receptor α 4 β 1. <i>Cell</i> , 1990, 60, 53-61.	13.5	607
21	Enhanced pathological angiogenesis in mice lacking β 3 integrin or β 3 and β 5 integrins. <i>Nature Medicine</i> , 2002, 8, 27-34.	15.2	603
22	Fibronectins. Springer Series in Molecular Biology, 1990, , .	1.9	581
23	Changes in integrin receptors on oncogenically transformed cells. <i>Cell</i> , 1989, 56, 281-290.	13.5	529
24	Physiological levels of tumstatin, a fragment of collagen IV α 3 chain, are generated by MMP-9 proteolysis and suppress angiogenesis via α 3 β 1 integrin. <i>Cancer Cell</i> , 2003, 3, 589-601.	7.7	522
25	A reevaluation of integrins as regulators of angiogenesis. <i>Nature Medicine</i> , 2002, 8, 918-921.	15.2	520
26	The Hippo pathway target, YAP, promotes metastasis through its TEAD-interaction domain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E2441-50.	3.3	480
27	A mouse model of severe von Willebrand disease: Defects in hemostasis and thrombosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 9524-9529.	3.3	479
28	10 nm filaments in normal and transformed cells. <i>Cell</i> , 1978, 13, 151-163.	13.5	457
29	Relationships between fibronectin (LETS protein) and actin. <i>Cell</i> , 1978, 15, 875-886.	13.5	432
30	Platelets guide the formation of early metastatic niches. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3053-61.	3.3	431
31	Restoration of normal morphology, adhesion and cytoskeleton in transformed cells by addition of a transformation-sensitive surface protein. <i>Cell</i> , 1977, 11, 115-126.	13.5	426
32	Tumstatin, an Endothelial Cell-Specific Inhibitor of Protein Synthesis. <i>Science</i> , 2002, 295, 140-143.	6.0	416
33	Hematopoietic Progenitor Cell Rolling in Bone Marrow Microvessels: Parallel Contributions by Endothelial Selectins and Vascular Cell Adhesion Molecule 1. <i>Journal of Experimental Medicine</i> , 1998, 188, 465-474.	4.2	404
34	The Evolution of Cell Adhesion. <i>Journal of Cell Biology</i> , 2000, 150, F89-F96.	2.3	396
35	The Initial Hours of Metastasis: The Importance of Cooperative Host-Tumor Cell Interactions during Hematogenous Dissemination. <i>Cancer Discovery</i> , 2012, 2, 1091-1099.	7.7	394
36	Sequence and domain structure of talin. <i>Nature</i> , 1990, 347, 685-689.	13.7	302

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37	Extracellular matrix signatures of human mammary carcinoma identify novel metastasis promoters. <i>ELife</i> , 2014, 3, e01308.	2.8	291
38	Central Roles of $\alpha 5 \beta 1$ Integrin and Fibronectin in Vascular Development in Mouse Embryos and Embryoid Bodies. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2002, 22, 927-933.	1.1	272
39	Osteoblasts remotely supply lung tumors with cancer-promoting SiglecF ^{high} neutrophils. <i>Science</i> , 2017, 358, .	6.0	270
40	Effects of LETS glycoprotein on cell motility. <i>Cell</i> , 1978, 14, 439-446.	13.5	267
41	Targeted Mutations in Cell Adhesion Genes: What Have We Learned from Them?. <i>Developmental Biology</i> , 1996, 180, 402-412.	0.9	266
42	Fibronectins Are Essential for Heart and Blood Vessel Morphogenesis But Are Dispensable for Initial Specification of Precursor Cells. <i>Blood</i> , 1997, 90, 3073-3081.	0.6	265
43	In vivo genome editing and organoid transplantation models of colorectal cancer and metastasis. <i>Nature Biotechnology</i> , 2017, 35, 569-576.	9.4	248
44	Interaction of fibronectin with its receptor on platelets. <i>Cell</i> , 1985, 42, 439-448.	13.5	244
45	Proteomic analyses of ECM during pancreatic ductal adenocarcinoma progression reveal different contributions by tumor and stromal cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 19609-19618.	3.3	244
46	Ketone Body Signaling Mediates Intestinal Stem Cell Homeostasis and Adaptation to Diet. <i>Cell</i> , 2019, 178, 1115-1131.e15.	13.5	231
47	The evolution of metazoan extracellular matrix. <i>Journal of Cell Biology</i> , 2012, 196, 671-679.	2.3	227
48	Lymphatic or Hematogenous Dissemination: How Does a Metastatic Tumor Cell Decide?. <i>Cell Cycle</i> , 2006, 5, 812-817.	1.3	225
49	Fibronectins in vascular morphogenesis. <i>Angiogenesis</i> , 2009, 12, 165-175.	3.7	222
50	Ulcerative colitis and autoimmunity induced by loss of myeloid αv integrins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 15823-15828.	3.3	220
51	Gene Expression Changes in an Animal Melanoma Model Correlate with Aggressiveness of Human Melanoma Metastases. <i>Molecular Cancer Research</i> , 2008, 6, 760-769.	1.5	216
52	Nanobody-based CAR T cells that target the tumor microenvironment inhibit the growth of solid tumors in immunocompetent mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 7624-7631.	3.3	205
53	Novel Roles for $\alpha 3 \beta 1$ Integrin as a Regulator of Cytoskeletal Assembly and as a Trans-dominant Inhibitor of Integrin Receptor Function in Mouse Keratinocytes. <i>Journal of Cell Biology</i> , 1998, 142, 1357-1369.	2.3	204
54	Extracellular matrix signatures of human primary metastatic colon cancers and their metastases to liver. <i>BMC Cancer</i> , 2014, 14, 518.	1.1	204

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55	Analysis of platelet adhesion with a radioactive chemical crosslinking reagent: Interaction of thrombospondin with fibronectin and collagen. <i>Cell</i> , 1982, 31, 253-262.	13.5	190
56	Characterization of the Extracellular Matrix of Normal and Diseased Tissues Using Proteomics. <i>Journal of Proteome Research</i> , 2017, 16, 3083-3091.	1.8	183
57	A combinatorial extracellular matrix platform identifies cell-extracellular matrix interactions that correlate with metastasis. <i>Nature Communications</i> , 2012, 3, 1122.	5.8	171
58	The emergence of integrins: a personal and historical perspective. <i>Matrix Biology</i> , 2004, 23, 333-340.	1.5	165
59	Tumor Cell-Driven Extracellular Matrix Remodeling Drives Haptotaxis during Metastatic Progression. <i>Cancer Discovery</i> , 2016, 6, 516-531.	7.7	164
60	Defective Associations between Blood Vessels and Brain Parenchyma Lead to Cerebral Hemorrhage in Mice Lacking $\alpha 5 \beta 1$ Integrins. <i>Molecular and Cellular Biology</i> , 2002, 22, 7667-7677.	1.1	162
61	The echinoderm adhesome. <i>Developmental Biology</i> , 2006, 300, 252-266.	0.9	158
62	Metastatic Potential. <i>Cell</i> , 2003, 113, 821-823.	13.5	144
63	Mesodermal development in mouse embryos mutant for fibronectin. , 1996, 207, 145-156.		143
64	Endothelial $\alpha 5 \beta 1$ and $\alpha v \beta 3$ integrins cooperate in remodeling of the vasculature during development. <i>Development (Cambridge)</i> , 2010, 137, 2439-2449.	1.2	141
65	Overlapping and Independent Functions of Fibronectin Receptor Integrins in Early Mesodermal Development. <i>Developmental Biology</i> , 1999, 215, 264-277.	0.9	135
66	Layilin, A Novel Talin-binding Transmembrane Protein Homologous with C-type Lectins, is Localized in Membrane Ruffles. <i>Journal of Cell Biology</i> , 1998, 143, 429-442.	2.3	134
67	Tumor-Secreted Vascular Endothelial Growth Factor-C Is Necessary for Prostate Cancer Lymphangiogenesis, but Lymphangiogenesis Is Unnecessary for Lymph Node Metastasis. <i>Cancer Research</i> , 2005, 65, 9789-9798.	0.4	133
68	Comprehensive proteomic characterization of stem cell-derived extracellular matrices. <i>Biomaterials</i> , 2017, 128, 147-159.	5.7	132
69	Inflamed neutrophils sequestered at entrapped tumor cells via chemotactic confinement promote tumor cell extravasation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7022-7027.	3.3	132
70	Layilin, a Novel Integral Membrane Protein, Is a Hyaluronan Receptor. <i>Molecular Biology of the Cell</i> , 2001, 12, 891-900.	0.9	129
71	Elucidation of the Roles of Tumor Integrin $\alpha 1 \beta 1$ in the Extravasation Stage of the Metastasis Cascade. <i>Cancer Research</i> , 2016, 76, 2513-2524.	0.4	129
72	Fibronectin Regulates Assembly of Actin Filaments and Focal Contacts in Cultured Cells via the Heparin-binding Site in Repeat III ₁₃ . <i>Molecular Biology of the Cell</i> , 1999, 10, 1521-1536.	0.9	127

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73	Multiple cardiovascular defects caused by the absence of alternatively spliced segments of fibronectin. <i>Developmental Biology</i> , 2007, 311, 11-24.	0.9	126
74	Extracellular Matrix Proteins in Hemostasis and Thrombosis. <i>Cold Spring Harbor Perspectives in Biology</i> , 2012, 4, a005132-a005132.	2.3	124
75	SRC tyrosine kinase activates the YAP/TAZ axis and thereby drives tumor growth and metastasis. <i>Journal of Biological Chemistry</i> , 2019, 294, 2302-2317.	1.6	119
76	Integrin-dependent and -independent functions of astrocytic fibronectin in retinal angiogenesis. <i>Development (Cambridge)</i> , 2011, 138, 4451-4463.	1.2	116
77	Quantitative proteomics identify Tenascin-C as a promoter of lung cancer progression and contributor to a signature prognostic of patient survival. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E5625-E5634.	3.3	116
78	Noninvasive imaging of tumor progression, metastasis, and fibrosis using a nanobody targeting the extracellular matrix. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 14181-14190.	3.3	114
79	Effects of cytochalasin B and colchicine on attachment of a major surface protein of fibroblasts. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1977, 471, 16-24.	1.4	113
80	A Quantitative System for Studying Metastasis Using Transparent Zebrafish. <i>Cancer Research</i> , 2015, 75, 4272-4282.	0.4	113
81	Towards definition of an ECM parts list: An advance on GO categories. <i>Matrix Biology</i> , 2012, 31, 371-372.	1.5	107
82	Increased primary tumor growth in mice null for $\alpha 3$ - or $\alpha 3/\alpha 5$ -integrins or selectins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 763-768.	3.3	99
83	Cancer Cell-Derived Matrisome Proteins Promote Metastasis in Pancreatic Ductal Adenocarcinoma. <i>Cancer Research</i> , 2020, 80, 1461-1474.	0.4	99
84	Direct Test of Potential Roles of EIIIA and EIIB Alternatively Spliced Segments of Fibronectin in Physiological and Tumor Angiogenesis. <i>Molecular and Cellular Biology</i> , 2004, 24, 8662-8670.	1.1	96
85	Stretching the boundaries of extracellular matrix research. <i>Nature Reviews Molecular Cell Biology</i> , 2014, 15, 761-763.	16.1	91
86	Identification of the Peptide Sequences within the EIIIA (EDA) Segment of Fibronectin That Mediate Integrin $\alpha 9\beta 1$ -dependent Cellular Activities. <i>Journal of Biological Chemistry</i> , 2008, 283, 2858-2870.	1.6	90
87	Quantitative proteomic profiling of the extracellular matrix of pancreatic islets during the angiogenic switch and insulinoma progression. <i>Scientific Reports</i> , 2017, 7, 40495.	1.6	88
88	Therapeutic expression of the platelet-specific integrin, $\alpha \text{IIb}\beta 3$, in a murine model for Glanzmann thrombasthenia. <i>Blood</i> , 2005, 106, 2671-2679.	0.6	86
89	Enrichment of Extracellular Matrix Proteins from Tissues and Digestion into Peptides for Mass Spectrometry Analysis. <i>Journal of Visualized Experiments</i> , 2015, , e53057.	0.2	86
90	Macrophage-Secreted $\text{TNF}\alpha$ and $\text{TGF}\beta 1$ Influence Migration Speed and Persistence of Cancer Cells in 3D Tissue Culture via Independent Pathways. <i>Cancer Research</i> , 2017, 77, 279-290.	0.4	86

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91	CUB-domain-containing protein 1 (CDCP1) activates Src to promote melanoma metastasis. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1379-1384.	3.3	84
92	Fibronectin Isoform Distribution in the Mouse I. The Alternatively Spliced EIIIB, EIIIA, and V Segments Show Widespread Codistribution in the Developing Mouse Embryo. Cell Adhesion and Communication, 1996, 4, 103-125.	1.7	81
93	Fusion Competence of Myoblasts Rendered Genetically Null for N-Cadherin in Culture. Journal of Cell Biology, 1997, 138, 331-336.	2.3	81
94	PF4 Promotes Platelet Production and Lung Cancer Growth. Cell Reports, 2016, 17, 1764-1772.	2.9	80
95	Proteomic Profiling of the ECM of Xenograft Breast Cancer Metastases in Different Organs Reveals Distinct Metastatic Niches. Cancer Research, 2020, 80, 1475-1485.	0.4	79
96	Cell surface fibronectin and oncogenic transformation. Journal of Supramolecular Structure, 1979, 11, 95-104.	2.3	76
97	An angiogenic role for the $\alpha 5 \beta 1$ integrin in promoting endothelial cell proliferation during cerebral hypoxia. Experimental Neurology, 2012, 237, 46-54.	2.0	65
98	Drosophila integrins and their ligands. Current Opinion in Cell Biology, 1994, 6, 734-739.	2.6	64
99	Protein 4.1B suppresses prostate cancer progression and metastasis. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12784-12789.	3.3	63
100	Expression of $\alpha 4$ Integrin mRNA and Protein and Fibronectin in the Early Chicken Embryo. Cell Adhesion and Communication, 1994, 2, 359-375.	1.7	60
101	Fibronectin Isoform Distribution in the Mouse II. Differential Distribution of the Alternatively Spliced EIIIB, EIIIA, and V Segments in the Adult Mouse. Cell Adhesion and Communication, 1996, 4, 127-148.	1.7	56
102	A system for Cre-regulated RNA interference <i>in vivo</i> . Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 13895-13900.	3.3	56
103	Mena binds $\alpha 5$ integrin directly and modulates $\alpha 5 \beta 1$ function. Journal of Cell Biology, 2012, 198, 657-676.	2.3	56
104	GPR56 and TG2: Possible Roles in Suppression of Tumor Growth by the Microenvironment. Cell Cycle, 2007, 6, 160-165.	1.3	55
105	Structure-function analysis reveals discrete $\beta 3$ integrin inside-out and outside-in signaling pathways in platelets. Blood, 2007, 109, 3284-3290.	0.6	50
106	Layilin, a cell surface hyaluronan receptor, interacts with merlin and radixin. Experimental Cell Research, 2005, 308, 177-187.	1.2	49
107	αv Integrins combine with LC3 and atg5 to regulate Toll-like receptor signalling in B cells. Nature Communications, 2016, 7, 10917.	5.8	49
108	Counterbalancing angiogenic regulatory factors control the rate of cancer progression and survival in a stage-specific manner. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9939-9944.	3.3	48

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109	The integrin PSI domain has an endogenous thiol isomerase function and is a novel target for antiplatelet therapy. <i>Blood</i> , 2017, 129, 1840-1854.	0.6	48
110	Expression of the Alternatively Spliced EIIIB Segment of Fibronectin. <i>Cell Adhesion and Communication</i> , 1995, 3, 67-89.	1.7	46
111	A Direct Test of Potential Roles for $\alpha 23$ and $\alpha 25$ Integrins in Growth and Metastasis of Murine Mammary Carcinomas. <i>Cancer Research</i> , 2005, 65, 10324-10329.	0.4	46
112	Analyses of the role of endogenous SPARC in mouse models of prostate and breast cancer. <i>Clinical and Experimental Metastasis</i> , 2008, 25, 109-118.	1.7	46
113	Integrin $\alpha 5 \beta 1$ is necessary for regulation of radial migration of cortical neurons during mouse brain development. <i>European Journal of Neuroscience</i> , 2010, 31, 399-409.	1.2	45
114	Suppression of pancreatic ductal adenocarcinoma growth and metastasis by fibrillar collagens produced selectively by tumor cells. <i>Nature Communications</i> , 2021, 12, 2328.	5.8	45
115	Maximizing response to intratumoral immunotherapy in mice by tuning local retention. <i>Nature Communications</i> , 2022, 13, 109.	5.8	45
116	An interaction between $\alpha 8$ integrin and Band 4.1B via a highly conserved region of the Band 4.1 C-terminal domain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 13479-13483.	3.3	44
117	Tumor Angiogenesis in the Absence of Fibronectin or Its Cognate Integrin Receptors. <i>PLoS ONE</i> , 2015, 10, e0120872.	1.1	44
118	Endothelium-derived fibronectin regulates neonatal vascular morphogenesis in an autocrine fashion. <i>Angiogenesis</i> , 2017, 20, 519-531.	3.7	43
119	Essential roles of fibronectin in the development of the left-right embryonic body plan. <i>Developmental Biology</i> , 2011, 354, 208-220.	0.9	42
120	Alternative Splicing of Endothelial Fibronectin Is Induced by Disturbed Hemodynamics and Protects Against Hemorrhage of the Vessel Wall. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 2042-2050.	1.1	42
121	Integrin-targeted cancer immunotherapy elicits protective adaptive immune responses. <i>Journal of Experimental Medicine</i> , 2017, 214, 1679-1690.	4.2	41
122	Involvement of fibronectin, Von Willebrand factor, and fibrinogen in platelet interaction with solid substrata. <i>Journal of Supramolecular Structure and Cellular Biochemistry</i> , 1981, 17, 299-311.	1.4	39
123	The impact of molecular biology on models for cell adhesion. <i>BioEssays</i> , 1994, 16, 663-669.	1.2	38
124	Guidelines for human embryonic stem cell research. <i>Nature Biotechnology</i> , 2005, 23, 793-794.	9.4	38
125	Integrin $\alpha 5 \beta 1$ is not required for mural cell functions during development of blood vessels but is required for lymphatic-blood vessel separation and lymphovenous valve formation. <i>Developmental Biology</i> , 2014, 392, 381-392.	0.9	38
126	$\alpha 5$ and αv integrins cooperate to regulate vascular smooth muscle and neural crest functions <i>in vivo</i> . <i>Development (Cambridge)</i> , 2015, 142, 797-808.	1.2	38

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127	Synthesis, secretion, and attachment of lectin glycoprotein in normal and transformed cells. <i>Journal of Supramolecular Structure</i> , 1977, 7, 397-408.	2.3	36
128	Transformation-specific secreted phosphoproteins. <i>Nature</i> , 1980, 286, 619-621.	13.7	35
129	STRUCTURAL BIOLOGY: Changing Partners. <i>Science</i> , 2003, 300, 755-756.	6.0	35
130	GPR56 Plays varying roles in endogenous cancer progression. <i>Clinical and Experimental Metastasis</i> , 2010, 27, 241-249.	1.7	32
131	Genetic Ablation of $\alpha_5\beta_1$ Integrins in Epithelial Cells of the Eyelid Skin and Conjunctiva Leads to Squamous Cell Carcinoma. <i>American Journal of Pathology</i> , 2008, 172, 1740-1747.	1.9	28
132	Intravital imaging of metastasis in adult Zebrafish. <i>BMC Cancer</i> , 2017, 17, 660.	1.1	28
133	Nephronectin is Correlated with Poor Prognosis in Breast Cancer and Promotes Metastasis via its Integrin-Binding Motifs. <i>Neoplasia</i> , 2018, 20, 387-400.	2.3	26
134	The Lack of ADAM17 Activity during Embryonic Development Causes Hemorrhage and Impairs Vessel Formation. <i>PLoS ONE</i> , 2010, 5, e13433.	1.1	26
135	Heart development in fibronectin-null mice is governed by a genetic modifier on chromosome four. <i>Mechanisms of Development</i> , 2007, 124, 551-558.	1.7	25
136	Alternative RNA splicing in the endothelium mediated in part by Rbfox2 regulates the arterial response to low flow. <i>ELife</i> , 2018, 7, .	2.8	25
137	Antibodies and methods for immunohistochemistry of extracellular matrix proteins. <i>Matrix Biology</i> , 2018, 71-72, 10-27.	1.5	25
138	[19] Gene targeting and generation of mutant mice for studies of cell-extracellular matrix interactions. <i>Methods in Enzymology</i> , 1994, 245, 386-420.	0.4	17
139	The cloning, genomic organization and expression of the focal contact protein paxillin in <i>Drosophila</i> . <i>Gene</i> , 2001, 262, 291-299.	1.0	16
140	Metastatic Cells Will Take Any Help They Can Get. <i>Cancer Cell</i> , 2011, 20, 689-690.	7.7	15
141	Toward Responsible Human Genome Editing. <i>JAMA - Journal of the American Medical Association</i> , 2017, 317, 1829.	3.8	14
142	YAP Enhances Tumor Cell Dissemination by Promoting Intravascular Motility and Reentry into Systemic Circulation. <i>Cancer Research</i> , 2020, 80, 3867-3879.	0.4	13
143	Agrin in the Muscularis Mucosa Serves as a Biomarker Distinguishing Hyperplastic Polyps from Sessile Serrated Lesions. <i>Clinical Cancer Research</i> , 2020, 26, 1277-1287.	3.2	11
144	Knockout of the gene encoding the extracellular matrix protein <code><scp>SNED1</scp></code> results in early neonatal lethality and craniofacial malformations. <i>Developmental Dynamics</i> , 2021, 250, 274-294.	0.8	10

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145	Tumor-lymphatic interactions in an activated stromal microenvironment. <i>Journal of Cellular Biochemistry</i> , 2007, 101, 840-850.	1.2	9
146	US policies on human embryonic stem cells. <i>Nature Reviews Molecular Cell Biology</i> , 2008, 9, 993-997.	16.1	9
147	Structural analysis of fibronectin with monoclonal antibodies. <i>Journal of Supramolecular Structure and Cellular Biochemistry</i> , 1981, 17, 153-161.	1.4	8
148	Functional Comparison of the α 3A and α 3B Cytoplasmic Domain Variants of the Chicken α 3 Integrin Subunit. <i>Experimental Cell Research</i> , 2001, 268, 45-60.	1.2	8
149	The scaffold protein IQGAP1 is crucial for extravasation and metastasis. <i>Scientific Reports</i> , 2020, 10, 2439.	1.6	8
150	Fibronectin: A Versatile Gene for a Versatile Protein. <i>Novartis Foundation Symposium</i> , 1984, 108, 75-92.	1.2	8
151	Alternative Splicing of FN (Fibronectin) Regulates the Composition of the Arterial Wall Under Low Flow. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, e18-e32.	1.1	7
152	The immunoglobulin superfamily in <i>Caenorhabditis elegans</i> and <i>Drosophila melanogaster</i> . <i>Development (Cambridge)</i> , 2004, 131, 2237-2238.	1.2	6
153	α V integrins in Schwann cells promote attachment to axons, but are dispensable in vivo. <i>Glia</i> , 2021, 69, 91-108.	2.5	6
154	Platelets, Tumor Cell Invasiveness, and Metastasis. <i>Blood</i> , 2013, 122, SCI-31-SCI-31.	0.6	2
155	Agrin Loss in Barrett's Esophagus-Related Neoplasia and Its Utility as a Diagnostic and Predictive Biomarker. <i>Clinical Cancer Research</i> , 2022, 28, 1167-1179.	3.2	2
156	E and P Selectins Are Not Required for Resistance to Severe Murine Lyme Arthritis. <i>Infection and Immunity</i> , 1998, 66, 4557-4559.	1.0	2
157	Reply to 'UK set to reverse stance on research with chimeras'. <i>Nature Medicine</i> , 2007, 13, 1133-1133.	15.2	1
158	Evolving policy with science. <i>Science</i> , 2017, 355, 889-889.	6.0	1
159	α 5 and α v integrins cooperate to regulate vascular smooth muscle and neural crest functions in vivo. <i>Journal of Cell Science</i> , 2015, 128, e1-e1.	1.2	1
160	Evaluating The Role Of β 3 Integrins In Angiogenesis. <i>FASEB Journal</i> , 2006, 20, A22.	0.2	0