

Richard O Hynes

List of Publications by Year in descending order

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Version: 2024-02-01

160
papers

55,022
citations

4942

84
h-index

6282

158
g-index

164
all docs

164
docs citations

164
times ranked

49690
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | 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 |
| 2 | Maximizing response to intratumoral immunotherapy in mice by tuning local retention. <i>Nature Communications</i> , 2022, 13, 109. | 5.8 | 45 |
| 3 | 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 |
| 4 | Knockout of the gene encoding the extracellular matrix protein SNED1 results in early neonatal lethality and craniofacial malformations. <i>Developmental Dynamics</i> , 2021, 250, 274-294. | 0.8 | 10 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | Cancer Cell-Derived Matrisome Proteins Promote Metastasis in Pancreatic Ductal Adenocarcinoma. <i>Cancer Research</i> , 2020, 80, 1461-1474. | 0.4 | 99 |
| 10 | The scaffold protein IQGAP1 is crucial for extravasation and metastasis. <i>Scientific Reports</i> , 2020, 10, 2439. | 1.6 | 8 |
| 11 | Proteomic Profiling of the ECM of Xenograft Breast Cancer Metastases in Different Organs Reveals Distinct Metastatic Niches. <i>Cancer Research</i> , 2020, 80, 1475-1485. | 0.4 | 79 |
| 12 | A framework for advancing our understanding of cancer-associated fibroblasts. <i>Nature Reviews Cancer</i> , 2020, 20, 174-186. | 12.8 | 2,012 |
| 13 | Ketone Body Signaling Mediates Intestinal Stem Cell Homeostasis and Adaptation to Diet. <i>Cell</i> , 2019, 178, 1115-1131.e15. | 13.5 | 231 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

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|----|--|-----|-----------|
| 19 | 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 |
| 20 | Antibodies and methods for immunohistochemistry of extracellular matrix proteins. <i>Matrix Biology</i> , 2018, 71-72, 10-27. | 1.5 | 25 |
| 21 | 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 |
| 22 | 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 |
| 23 | Comprehensive proteomic characterization of stem cell-derived extracellular matrices. <i>Biomaterials</i> , 2017, 128, 147-159. | 5.7 | 132 |
| 24 | 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 |
| 25 | Evolving policy with science. <i>Science</i> , 2017, 355, 889-889. | 6.0 | 1 |
| 26 | Toward Responsible Human Genome Editing. <i>JAMA - Journal of the American Medical Association</i> , 2017, 317, 1829. | 3.8 | 14 |
| 27 | In vivo genome editing and organoid transplantation models of colorectal cancer and metastasis. <i>Nature Biotechnology</i> , 2017, 35, 569-576. | 9.4 | 248 |
| 28 | Integrin-targeted cancer immunotherapy elicits protective adaptive immune responses. <i>Journal of Experimental Medicine</i> , 2017, 214, 1679-1690. | 4.2 | 41 |
| 29 | Osteoblasts remotely supply lung tumors with cancer-promoting SiglecF ^{high} neutrophils. <i>Science</i> , 2017, 358, . | 6.0 | 270 |
| 30 | 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 |
| 31 | 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 |
| 32 | Endothelium-derived fibronectin regulates neonatal vascular morphogenesis in an autocrine fashion. <i>Angiogenesis</i> , 2017, 20, 519-531. | 3.7 | 43 |
| 33 | Macrophage-Secreted TNF α and TGF β 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 |
| 34 | Intravital imaging of metastasis in adult Zebrafish. <i>BMC Cancer</i> , 2017, 17, 660. | 1.1 | 28 |
| 35 | β Integrins combine with LC3 and atg5 to regulate Toll-like receptor signalling in B cells. <i>Nature Communications</i> , 2016, 7, 10917. | 5.8 | 49 |
| 36 | PF4 Promotes Platelet Production and Lung Cancer Growth. <i>Cell Reports</i> , 2016, 17, 1764-1772. | 2.9 | 80 |

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|----|---|------|-----------|
| 37 | Tumor Cell-Driven Extracellular Matrix Remodeling Drives Haptotaxis during Metastatic Progression. <i>Cancer Discovery</i> , 2016, 6, 516-531. | 7.7 | 164 |
| 38 | Elucidation of the Roles of Tumor Integrin $\alpha 5 \beta 1$ in the Extravasation Stage of the Metastasis Cascade. <i>Cancer Research</i> , 2016, 76, 2513-2524. | 0.4 | 129 |
| 39 | Immunogenic Chemotherapy Sensitizes Tumors to Checkpoint Blockade Therapy. <i>Immunity</i> , 2016, 44, 343-354. | 6.6 | 767 |
| 40 | The extracellular matrix: Tools and insights for the "omics" era. <i>Matrix Biology</i> , 2016, 49, 10-24. | 1.5 | 793 |
| 41 | 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 |
| 42 | Tumor Angiogenesis in the Absence of Fibronectin or Its Cognate Integrin Receptors. <i>PLoS ONE</i> , 2015, 10, e0120872. | 1.1 | 44 |
| 43 | $\alpha 5$ and $\beta 1$ 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 |
| 44 | A Quantitative System for Studying Metastasis Using Transparent Zebrafish. <i>Cancer Research</i> , 2015, 75, 4272-4282. | 0.4 | 113 |
| 45 | $\alpha 5$ and $\beta 1$ integrins cooperate to regulate vascular smooth muscle and neural crest functions <i>in vivo</i> . <i>Journal of Cell Science</i> , 2015, 128, e1-e1. | 1.2 | 1 |
| 46 | 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 |
| 47 | 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 |
| 48 | Stretching the boundaries of extracellular matrix research. <i>Nature Reviews Molecular Cell Biology</i> , 2014, 15, 761-763. | 16.1 | 91 |
| 49 | Extracellular matrix signatures of human primary metastatic colon cancers and their metastases to liver. <i>BMC Cancer</i> , 2014, 14, 518. | 1.1 | 204 |
| 50 | 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 |
| 51 | Extracellular matrix signatures of human mammary carcinoma identify novel metastasis promoters. <i>ELife</i> , 2014, 3, e01308. | 2.8 | 291 |
| 52 | Platelets, Tumor Cell Invasiveness, and Metastasis. <i>Blood</i> , 2013, 122, SCI-31-SCI-31. | 0.6 | 2 |
| 53 | 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 |
| 54 | Extracellular Matrix Proteins in Hemostasis and Thrombosis. <i>Cold Spring Harbor Perspectives in Biology</i> , 2012, 4, a005132-a005132. | 2.3 | 124 |

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|----|---|-----|-----------|
| 55 | 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 |
| 56 | 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 |
| 57 | An angiogenic role for the $\alpha 5 \beta 1$ integrin in promoting endothelial cell proliferation during cerebral hypoxia. <i>Experimental Neurology</i> , 2012, 237, 46-54. | 2.0 | 65 |
| 58 | Mena binds $\alpha 5$ integrin directly and modulates $\alpha 5 \beta 1$ function. <i>Journal of Cell Biology</i> , 2012, 198, 657-676. | 2.3 | 56 |
| 59 | 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 |
| 60 | The evolution of metazoan extracellular matrix. <i>Journal of Cell Biology</i> , 2012, 196, 671-679. | 2.3 | 227 |
| 61 | A combinatorial extracellular matrix platform identifies cell-extracellular matrix interactions that correlate with metastasis. <i>Nature Communications</i> , 2012, 3, 1122. | 5.8 | 171 |
| 62 | Towards definition of an ECM parts list: An advance on GO categories. <i>Matrix Biology</i> , 2012, 31, 371-372. | 1.5 | 107 |
| 63 | 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 |
| 64 | 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 |
| 65 | Metastatic Cells Will Take Any Help They Can Get. <i>Cancer Cell</i> , 2011, 20, 689-690. | 7.7 | 15 |
| 66 | Integrin-dependent and -independent functions of astrocytic fibronectin in retinal angiogenesis. <i>Development (Cambridge)</i> , 2011, 138, 4451-4463. | 1.2 | 116 |
| 67 | Counterbalancing angiogenic regulatory factors control the rate of cancer progression and survival in a stage-specific manner. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 9939-9944. | 3.3 | 48 |
| 68 | CUB-domain-containing protein 1 (CDCP1) activates Src to promote melanoma metastasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 1379-1384. | 3.3 | 84 |
| 69 | GPR56 Plays varying roles in endogenous cancer progression. <i>Clinical and Experimental Metastasis</i> , 2010, 27, 241-249. | 1.7 | 32 |
| 70 | 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 |
| 71 | Endothelial $\alpha 5$ and αv integrins cooperate in remodeling of the vasculature during development. <i>Development (Cambridge)</i> , 2010, 137, 2439-2449. | 1.2 | 141 |
| 72 | The Lack of ADAM17 Activity during Embryonic Development Causes Hemorrhage and Impairs Vessel Formation. <i>PLoS ONE</i> , 2010, 5, e13433. | 1.1 | 26 |

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|----|--|------|-----------|
| 73 | Fibronectins in vascular morphogenesis. <i>Angiogenesis</i> , 2009, 12, 165-175. | 3.7 | 222 |
| 74 | The Extracellular Matrix: Not Just Pretty Fibrils. <i>Science</i> , 2009, 326, 1216-1219. | 6.0 | 2,754 |
| 75 | 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 |
| 76 | US policies on human embryonic stem cells. <i>Nature Reviews Molecular Cell Biology</i> , 2008, 9, 993-997. | 16.1 | 9 |
| 77 | 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 |
| 78 | Identification of the Peptide Sequences within the EIIIA (EDA) Segment of Fibronectin That Mediate Integrin $\alpha_5\beta_1$ -dependent Cellular Activities. <i>Journal of Biological Chemistry</i> , 2008, 283, 2858-2870. | 1.6 | 90 |
| 79 | A system for Cre-regulated RNA interference <i>in vivo</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 13895-13900. | 3.3 | 56 |
| 80 | 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 |
| 81 | Protein 4.1B suppresses prostate cancer progression and metastasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 12784-12789. | 3.3 | 63 |
| 82 | GPR56 and TG2: Possible Roles in Suppression of Tumor Growth by the Microenvironment. <i>Cell Cycle</i> , 2007, 6, 160-165. | 1.3 | 55 |
| 83 | Ulcerative colitis and autoimmunity induced by loss of myeloid $\alpha_5\beta_1$ integrins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 15823-15828. | 3.3 | 220 |
| 84 | Structure-function analysis reveals discrete β_3 integrin inside-out and outside-in signaling pathways in platelets. <i>Blood</i> , 2007, 109, 3284-3290. | 0.6 | 50 |
| 85 | Multiple cardiovascular defects caused by the absence of alternatively spliced segments of fibronectin. <i>Developmental Biology</i> , 2007, 311, 11-24. | 0.9 | 126 |
| 86 | 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 |
| 87 | Tumor-lymphatic interactions in an activated stromal microenvironment. <i>Journal of Cellular Biochemistry</i> , 2007, 101, 840-850. | 1.2 | 9 |
| 88 | Reply to 'UK set to reverse stance on research with chimeras'. <i>Nature Medicine</i> , 2007, 13, 1133-1133. | 15.2 | 1 |
| 89 | The echinoderm adhesome. <i>Developmental Biology</i> , 2006, 300, 252-266. | 0.9 | 158 |
| 90 | Lymphatic or Hematogenous Dissemination: How Does a Metastatic Tumor Cell Decide?. <i>Cell Cycle</i> , 2006, 5, 812-817. | 1.3 | 225 |

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|-----|--|------|-----------|
| 91 | Evaluating The Role Of β 3-Integrins In Angiogenesis. <i>FASEB Journal</i> , 2006, 20, A22. | 0.2 | 0 |
| 92 | Therapeutic expression of the platelet-specific integrin, α IIb β 3, in a murine model for Glanzmann thrombasthenia. <i>Blood</i> , 2005, 106, 2671-2679. | 0.6 | 86 |
| 93 | Guidelines for human embryonic stem cell research. <i>Nature Biotechnology</i> , 2005, 23, 793-794. | 9.4 | 38 |
| 94 | A Direct Test of Potential Roles for β 3 and β 5 Integrins in Growth and Metastasis of Murine Mammary Carcinomas. <i>Cancer Research</i> , 2005, 65, 10324-10329. | 0.4 | 46 |
| 95 | An interaction between α 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 |
| 96 | 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 |
| 97 | Layilin, a cell surface hyaluronan receptor, interacts with merlin and radixin. <i>Experimental Cell Research</i> , 2005, 308, 177-187. | 1.2 | 49 |
| 98 | Direct Test of Potential Roles of EIIIA and EIIIB Alternatively Spliced Segments of Fibronectin in Physiological and Tumor Angiogenesis. <i>Molecular and Cellular Biology</i> , 2004, 24, 8662-8670. | 1.1 | 96 |
| 99 | The immunoglobulin superfamily in <i>Caenorhabditis elegans</i> and <i>Drosophila melanogaster</i> . <i>Development (Cambridge)</i> , 2004, 131, 2237-2238. | 1.2 | 6 |
| 100 | Increased primary tumor growth in mice null for β 3- or β 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 |
| 101 | The emergence of integrins: a personal and historical perspective. <i>Matrix Biology</i> , 2004, 23, 333-340. | 1.5 | 165 |
| 102 | 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 |
| 103 | Metastatic Potential. <i>Cell</i> , 2003, 113, 821-823. | 13.5 | 144 |
| 104 | STRUCTURAL BIOLOGY: Changing Partners. <i>Science</i> , 2003, 300, 755-756. | 6.0 | 35 |
| 105 | Central Roles of α 1 β 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 |
| 106 | Tumstatin, an Endothelial Cell-Specific Inhibitor of Protein Synthesis. <i>Science</i> , 2002, 295, 140-143. | 6.0 | 416 |
| 107 | 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 |
| 108 | Integrins. <i>Cell</i> , 2002, 110, 673-687. | 13.5 | 7,714 |

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|-----|--|------|-----------|
| 109 | Defective Associations between Blood Vessels and Brain Parenchyma Lead to Cerebral Hemorrhage in Mice Lacking α v Integrins. <i>Molecular and Cellular Biology</i> , 2002, 22, 7667-7677. | 1.1 | 162 |
| 110 | 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 |
| 111 | A reevaluation of integrins as regulators of angiogenesis. <i>Nature Medicine</i> , 2002, 8, 918-921. | 15.2 | 520 |
| 112 | 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 |
| 113 | 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 |
| 114 | Layilin, a Novel Integral Membrane Protein, Is a Hyaluronan Receptor. <i>Molecular Biology of the Cell</i> , 2001, 12, 891-900. | 0.9 | 129 |
| 115 | Genomic analysis of metastasis reveals an essential role for RhoC. <i>Nature</i> , 2000, 406, 532-535. | 13.7 | 1,347 |
| 116 | Comparative Genomics of the Eukaryotes. <i>Science</i> , 2000, 287, 2204-2215. | 6.0 | 1,573 |
| 117 | The Evolution of Cell Adhesion. <i>Journal of Cell Biology</i> , 2000, 150, F89-F96. | 2.3 | 396 |
| 118 | Mice lacking β 3 integrins are osteosclerotic because of dysfunctional osteoclasts. <i>Journal of Clinical Investigation</i> , 2000, 105, 433-440. | 3.9 | 651 |
| 119 | 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 |
| 120 | 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 |
| 121 | Id1 and Id3 are required for neurogenesis, angiogenesis and vascularization of tumour xenografts. <i>Nature</i> , 1999, 401, 670-677. | 13.7 | 861 |
| 122 | Overlapping and Independent Functions of Fibronectin Receptor Integrins in Early Mesodermal Development. <i>Developmental Biology</i> , 1999, 215, 264-277. | 0.9 | 135 |
| 123 | β 3-integrin ^{-/-} 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 |
| 124 | Extensive Vasculogenesis, Angiogenesis, and Organogenesis Precede Lethality in Mice Lacking All α v Integrins. <i>Cell</i> , 1998, 95, 507-519. | 13.5 | 619 |
| 125 | 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 |
| 126 | Novel Roles for α 3 β 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 |

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|-----|---|------|-----------|
| 127 | 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 |
| 128 | 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 |
| 129 | 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 |
| 130 | Fusion Competence of Myoblasts Rendered Genetically Null for N-Cadherin in Culture. <i>Journal of Cell Biology</i> , 1997, 138, 331-336. | 2.3 | 81 |
| 131 | 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 |
| 132 | Fibronectin Isoform Distribution in the Mouse I. The Alternatively Spliced EIIIB, EIIIA, and V Segments Show Widespread Codistribution in the Developing Mouse Embryo. <i>Cell Adhesion and Communication</i> , 1996, 4, 103-125. | 1.7 | 81 |
| 133 | Fibronectin Isoform Distribution in the Mouse II. Differential Distribution of the Alternatively Spliced EIIIB, EIIIA, and V Segments in the Adult Mouse. <i>Cell Adhesion and Communication</i> , 1996, 4, 127-148. | 1.7 | 56 |
| 134 | Targeted Mutations in Cell Adhesion Genes: What Have We Learned from Them?. <i>Developmental Biology</i> , 1996, 180, 402-412. | 0.9 | 266 |
| 135 | Mesodermal development in mouse embryos mutant for fibronectin. , 1996, 207, 145-156. | | 143 |
| 136 | Expression of the Alternatively Spliced EIIIB Segment of Fibronectin. <i>Cell Adhesion and Communication</i> , 1995, 3, 67-89. | 1.7 | 46 |
| 137 | Expression of $\alpha 4$ Integrin mRNA and Protein and Fibronectin in the Early Chicken Embryo. <i>Cell Adhesion and Communication</i> , 1994, 2, 359-375. | 1.7 | 60 |
| 138 | The impact of molecular biology on models for cell adhesion. <i>BioEssays</i> , 1994, 16, 663-669. | 1.2 | 38 |
| 139 | Drosophila integrins and their ligands. <i>Current Opinion in Cell Biology</i> , 1994, 6, 734-739. | 2.6 | 64 |
| 140 | [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 |
| 141 | Integrins: Versatility, modulation, and signaling in cell adhesion. <i>Cell</i> , 1992, 69, 11-25. | 13.5 | 9,858 |
| 142 | Sequence and domain structure of talin. <i>Nature</i> , 1990, 347, 685-689. | 13.7 | 302 |
| 143 | Lymphoid cells recognize an alternatively spliced segment of fibronectin via the integrin receptor $\alpha 4 \beta 1$. <i>Cell</i> , 1990, 60, 53-61. | 13.5 | 607 |
| 144 | Fibronectins. <i>Springer Series in Molecular Biology</i> , 1990, , . | 1.9 | 581 |

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|-----|---|------|-----------|
| 145 | Changes in integrin receptors on oncogenically transformed cells. <i>Cell</i> , 1989, 56, 281-290. | 13.5 | 529 |
| 146 | Structure of integrin, a glycoprotein involved in the transmembrane linkage between fibronectin and actin. <i>Cell</i> , 1986, 46, 271-282. | 13.5 | 815 |
| 147 | Interaction of fibronectin with its receptor on platelets. <i>Cell</i> , 1985, 42, 439-448. | 13.5 | 244 |
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