Raghu Kalluri

List of Publications by Year
in descending order

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278	91,673	910 119	468 278
papers	citations	h-index	g-index

298	298	298	94385
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The basics of epithelial-mesenchymal transition. Journal of Clinical Investigation, 2009, 119, 1420-1428.	3.9	8,252
2	Minimal information for studies of extracellular vesicles 2018 (MISEV2018): a position statement of the International Society for Extracellular Vesicles and update of the MISEV2014 guidelines. Journal of Extracellular Vesicles, 2018, 7, 1535750.	5.5	6,961
3	The biology , function , and biomedical applications of exosomes. Science, 2020, 367, .	6.0	4,742
4	Fibroblasts in cancer. Nature Reviews Cancer, 2006, 6, 392-401.	12.8	3,978
5	The biology and function of fibroblasts in cancer. Nature Reviews Cancer, 2016, 16, 582-598.	12.8	2,886
6	Glypican-1 identifies cancer exosomes and detects early pancreatic cancer. Nature, 2015, 523, 177-182.	13.7	2,240
7	Epithelial-mesenchymal transition and its implications for fibrosis. Journal of Clinical Investigation, 2003, 112, 1776-1784.	3.9	1,937
8	Depletion of Carcinoma-Associated Fibroblasts and Fibrosis Induces Immunosuppression and Accelerates Pancreas Cancer with Reduced Survival. Cancer Cell, 2014, 25, 719-734.	7.7	1,892
9	Endothelial-to-mesenchymal transition contributes to cardiac fibrosis. Nature Medicine, 2007, 13, 952-961.	15.2	1,862
10	The epithelialâ€“mesenchymal transition: new insights in signaling, development, and disease. Journal of Cell Biology, 2006, 172, 973-981.	2.3	1,819
11	Exosomes facilitate therapeutic targeting of oncogenic KRAS in pancreatic cancer. Nature, 2017, 546, 498-503.	13.7	1,731
12	Epithelial-to-mesenchymal transition is dispensable for metastasis but induces chemoresistance in pancreatic cancer. Nature, 2015, 527, 525-530.	13.7	1,725
13	Basement membranes: structure, assembly and role in tumour angiogenesis. Nature Reviews Cancer, 2003, 3, 422-433.	12.8	1,496
14	B cells and tertiary lymphoid structures promote immunotherapy response. Nature, 2020, 577, 549-555.	13.7	1,421
15	Epithelial-mesenchymal transition and its implications for fibrosis. Journal of Clinical Investigation, 2003, 112, 1776-1784.	3.9	1,367
16	The biology and function of exosomes in cancer. Journal of Clinical Investigation, 2016, 126, 1208-1215.	3.9	1,366
17	Cancer Exosomes Perform Cell-Independent MicroRNA Biogenesis and Promote Tumorigenesis. Cancer Cell, 2014, 26, 707-721.	7.7	1,293
18	BMP-7 counteracts TGF-Î²1â€“induced epithelial-to-mesenchymal transition and reverses chronic renal injury. Nature Medicine, 2003, 9, 964-968.	15.2	1,260

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19	Guidelines and definitions for research on epithelialâ€“mesenchymal transition. Nature Reviews Molecular Cell Biology, 2020, 21, 341-352.	16.1	1,195
20	PGC-1Î± mediates mitochondrial biogenesis and oxidative phosphorylation in cancer cells to promoteÂmetastasis. Nature Cell Biology, 2014, 16, 992-1003.	4.6	1,073
21	Origin and function of myofibroblasts in kidney fibrosis. Nature Medicine, 2013, 19, 1047-1053.	15.2	1,055
22	Identification of Double-stranded Genomic DNA Spanning All Chromosomes with Mutated KRAS and p53 DNA in the Serum Exosomes of Patients with Pancreatic Cancer. Journal of Biological Chemistry, 2014, 289, 3869-3875.	1.6	826
23	Discovery of Endothelial to Mesenchymal Transition as a Source for Carcinoma-Associated Fibroblasts. Cancer Research, 2007, 67, 10123-10128.	0.4	806
24	EMT: When epithelial cells decide to become mesenchymal-like cells. Journal of Clinical Investigation, 2009, 119, 1417-1419.	3.9	792
25	Fibroblasts in Kidney Fibrosis Emerge via Endothelial-to-Mesenchymal Transition. Journal of the American Society of Nephrology: JASN, 2008, 19, 2282-2287.	3.0	763
26	TRPC6 is a glomerular slit diaphragm-associated channel required for normal renal function. Nature Genetics, 2005, 37, 739-744.	9.4	747
27	Epithelial-to-mesenchymal transition induces cell cycle arrest and parenchymal damage in renal fibrosis. Nature Medicine, 2015, 21, 998-1009.	15.2	736
28	Fibroblasts Derive from Hepatocytes in Liver Fibrosis via Epithelial to Mesenchymal Transition. Journal of Biological Chemistry, 2007, 282, 23337-23347.	1.6	705
29	Exosomes in tumor microenvironment influence cancer progression and metastasis. Journal of Molecular Medicine, 2013, 91, 431-437.	1.7	701
30	Conversion of vascular endothelial cells into multipotent stem-like cells. Nature Medicine, 2010, 16, 1400-1406.	15.2	635
31	Identification of fibroblast heterogeneity in the tumor microenvironment. Cancer Biology and Therapy, 2006, 5, 1640-1646.	1.5	603
32	Methylation determines fibroblast activation and fibrogenesis in the kidney. Nature Medicine, 2010, 16, 544-550.	15.2	537
33	Physiological levels of tumstatin, a fragment of collagen IV Î±3 chain, are generated by MMP-9 proteolysis and suppress angiogenesis via Î±VÎ²3 integrin. Cancer Cell, 2003, 3, 589-601.	7.7	522
34	Generation and testing of clinical-grade exosomes for pancreatic cancer. JCI Insight, 2018, 3, .	2.3	520
35	The origin of fibroblasts and mechanism of cardiac fibrosis. Journal of Cellular Physiology, 2010, 225, 631-637.	2.0	509
36	Modification of kidney barrier function by the urokinase receptor. Nature Medicine, 2008, 14, 55-63.	15.2	501

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37	Endogenous Inhibitors of Angiogenesis. Cancer Research, 2005, 65, 3967-3979.	0.4	499
38	Induction of B7-1 in podocytes is associated with nephrotic syndrome. Journal of Clinical Investigation, 2004, 113, 1390-1397.	3.9	495
39	eRNAs Are Required for p53-Dependent Enhancer Activity and Gene Transcription. Molecular Cell, 2013, 49, 524-535.	4.5	484
40	Structure and Function of Basement Membranes. Experimental Biology and Medicine, 2007, 232, 1121-1129.	1.1	479
41	Neutralization of Circulating Vascular Endothelial Growth Factor (VEGF) by Anti-VEGF Antibodies and Soluble VEGF Receptor 1 (sFlt-1) Induces Proteinuria. Journal of Biological Chemistry, 2003, 278, 12605-12608.	1.6	472
42	Human tumstatin and human endostatin exhibit distinct antiangiogenic activities mediated by ÂvÂ3 and Â5Â1 integrins. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 4766-4771.	3.3	470
43	Genotype tunes pancreatic ductal adenocarcinoma tissue tension to induce matricellular fibrosis and tumor progression. Nature Medicine, 2016, 22, 497-505.	15.2	456
44	Cancer without disease. Nature, 2004, 427, 787-787.	13.7	450
45	Pericyte Depletion Results in Hypoxia-Associated Epithelial-to-Mesenchymal Transition and Metastasis Mediated by Met Signaling Pathway. Cancer Cell, 2012, 21, 66-81.	7.7	447
46	The role of epithelial-to-mesenchymal transition in renal fibrosis. Journal of Molecular Medicine, 2004, 82, 175-181.	1.7	436
47	Spatial computation of intratumoral T cells correlates with survival of patients with pancreatic cancer. Nature Communications, 2017, 8, 15095.	5.8	432
48	Consensus guidelines for the use and interpretation of angiogenesis assays. Angiogenesis, 2018, 21, 425-532.	3.7	429
49	Clinical and therapeutic relevance of cancer-associated fibroblasts. Nature Reviews Clinical Oncology, 2021, 18, 792-804.	12.5	428
50	Tumstatin, an Endothelial Cell-Specific Inhibitor of Protein Synthesis. Science, 2002, 295, 140-143.	6.0	416
51	Canstatin, a Novel Matrix-derived Inhibitor of Angiogenesis and Tumor Growth. Journal of Biological Chemistry, 2000, 275, 1209-1215.	1.6	401
52	A peek into cancer-associated fibroblasts: origins, functions and translational impact. DMM Disease Models and Mechanisms, 2018, 11, .	1.2	400
53	Role of basic fibroblast growth factor-2 in epithelial-mesenchymal transformation. Kidney International, 2002, 61, 1714-1728.	2.6	398
54	Cellular Mechanisms of Tissue Fibrosis. 1. Common and organ-specific mechanisms associated with tissue fibrosis. American Journal of Physiology - Cell Physiology, 2013, 304, C216-C225.	2.1	384

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55	Deficiency in catechol-O-methyltransferase and 2-methoxyoestradiol is associated with pre-eclampsia. Nature, 2008, 453, 1117-1121.	13.7	348
56	TGF-Î²1â€“Containing Exosomes from Injured Epithelial Cells Activate Fibroblasts to Initiate Tissue Regenerative Responses and Fibrosis. Journal of the American Society of Nephrology: JASN, 2013, 24, 385-392.	3.0	340
57	Mechanisms of metastasis: Epithelial-to-mesenchymal transition and contribution of tumor microenvironment. Journal of Cellular Biochemistry, 2007, 101, 816-829.	1.2	306
58	Distinct Antitumor Properties of a Type IV Collagen Domain Derived from Basement Membrane. Journal of Biological Chemistry, 2000, 275, 21340-21348.	1.6	302
59	VEGF-A and Tenascin-C produced by S100A4 ⁺ stromal cells are important for metastatic colonization. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16002-16007.	3.3	295
60	Cell Surface Glypicans Are Low-Affinity Endostatin Receptors. Molecular Cell, 2001, 7, 811-822.	4.5	284
61	Bone morphogenic protein-7 inhibits progression of chronic renal fibrosis associated with two genetic mouse models. American Journal of Physiology - Renal Physiology, 2003, 285, F1060-F1067.	1.3	280
62	Type I collagen deletion in Î±SMA+ myofibroblasts augments immune suppression and accelerates progression of pancreatic cancer. Cancer Cell, 2021, 39, 548-565.e6.	7.7	274
63	Bone Morphogenic Protein-7 Induces Mesenchymal to Epithelial Transition in Adult Renal Fibroblasts and Facilitates Regeneration of Injured Kidney. Journal of Biological Chemistry, 2005, 280, 8094-8100.	1.6	269
64	Renal Fibrosis. American Journal of Pathology, 2001, 159, 1313-1321.	1.9	268
65	Transforming growth factor-Î²2 promotes Snail-mediated endothelialâ€“mesenchymal transition through convergence of Smad-dependent and Smad-independent signalling. Biochemical Journal, 2011, 437, 515-520.	1.7	260
66	Mechanisms associated with biogenesis of exosomes in cancer. Molecular Cancer, 2019, 18, 52.	7.9	251
67	Glioblastoma stem cell-derived exosomes induce M2 macrophages and PD-L1 expression on human monocytes. OncoImmunology, 2018, 7, e1412909.	2.1	247
68	Liver fibrosis: Insights into migration of hepatic stellate cells in response to extracellular matrix and growth factors. Gastroenterology, 2003, 124, 147-159.	0.6	243
69	Contribution of bone microenvironment to leukemogenesis and leukemia progression. Leukemia, 2009, 23, 2233-2241.	3.3	238
70	Mechanistic connection between inflammation and fibrosis. Kidney International, 2010, 78, S22-S26.	2.6	238
71	The Role of the Microenvironment in Mammary Gland Development and Cancer. Cold Spring Harbor Perspectives in Biology, 2010, 2, a003244-a003244.	2.3	234
72	Identification of Epithelial to Mesenchymal Transition as a Novel Source of Fibroblasts in Intestinal Fibrosis. Journal of Biological Chemistry, 2010, 285, 20202-20212.	1.6	234

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73	Systems Biology of Cancer Metastasis. Cell Systems, 2019, 9, 109-127.	2.9	233
74	Exploiting Cancer Cell Vulnerabilities to Develop a Combination Therapy for Ras-Driven Tumors. Cancer Cell, 2011, 20, 400-413.	7.7	231
75	Cathepsin S Controls Angiogenesis and Tumor Growth via Matrix-derived Angiogenic Factors. Journal of Biological Chemistry, 2006, 281, 6020-6029.	1.6	229
76	Bone-marrow-derived stem cells repair basement membrane collagen defects and reverse genetic kidney disease. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 7321-7326.	3.3	229
77	Small molecule enoxacin is a cancer-specific growth inhibitor that acts by enhancing TAR RNA-binding protein 2-mediated microRNA processing. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4394-4399.	3.3	222
78	Two RGD-independent Î±vÎ²3 Integrin Binding Sites on Tumstatin Regulate Distinct Anti-tumor Properties. Journal of Biological Chemistry, 2000, 275, 23745-23750.	1.6	216
79	Quantitative proteomics identifies the core proteome of exosomes with syntenin-1 as the highest abundant protein and a putative universal biomarker. Nature Cell Biology, 2021, 23, 631-641.	4.6	213
80	Biomolecular Characterization and Protein Sequences of the Campanian Hadrosaur B. canadensis. Science, 2009, 324, 626-631.	6.0	212
81	Mice deficient in Î±-actinin-4 have severe glomerular disease. Journal of Clinical Investigation, 2003, 111, 1683-1690.	3.9	210
82	Activin-like kinase 3 is important for kidney regeneration and reversal of fibrosis. Nature Medicine, 2012, 18, 396-404.	15.2	208
83	Identification of the Anti-angiogenic Site within Vascular Basement Membrane-derived Tumstatin. Journal of Biological Chemistry, 2001, 276, 15240-15248.	1.6	202
84	Origins of Cardiac Fibroblasts. Circulation Research, 2010, 107, 1304-1312.	2.0	202
85	Extracellular Matrix-derived Peptide Binds to Î±vÎ²3 Integrin and Inhibits Angiogenesis. Journal of Biological Chemistry, 2001, 276, 31959-31968.	1.6	199
86	Renal Fibrosis and Glomerulosclerosis in a New Mouse Model of Diabetic Nephropathy and Its Regression by Bone Morphogenic Protein-7 and Advanced Glycation End Product Inhibitors. Diabetes, 2007, 56, 1825-1833.	0.3	197
87	Endothelialâ€“mesenchymal transition and its contribution to the emergence of stem cell phenotype. Seminars in Cancer Biology, 2012, 22, 379-384.	4.3	190
88	Detection of mutant KRAS and TP53 DNA in circulating exosomes from healthy individuals and patients with pancreatic cancer. Cancer Biology and Therapy, 2017, 18, 158-165.	1.5	190
89	Partial Epithelial-to-Mesenchymal Transition and Other New Mechanisms of Kidney Fibrosis. Trends in Endocrinology and Metabolism, 2016, 27, 681-695.	3.1	187
90	Effects of high glucose and TGF-Î²1 on the expression of collagen IV and vascular endothelial growth factor in mouse podocytes. Kidney International, 2002, 62, 901-913.	2.6	182

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91	Identification of human epididymis protein-4 as a fibroblast-derived mediator of fibrosis. Nature Medicine, 2013, 19, 227-231.	15.2	176
92	Thrombospondin-1 Associated with Tumor Microenvironment Contributes to Low-Dose Cyclophosphamide-Mediated Endothelial Cell Apoptosis and Tumor Growth Suppression. Cancer Research, 2004, 64, 1570-1574.	0.4	175
93	Î±vÎ²6 Integrin Regulates Renal Fibrosis and Inflammation in Alport Mouse. American Journal of Pathology, 2007, 170, 110-125.	1.9	175
94	Exosomes as a Multicomponent Biomarker Platform in Cancer. Trends in Cancer, 2020, 6, 767-774.	3.8	175
95	Function of endogenous inhibitors of angiogenesis as endothelium-specific tumor suppressors. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2934-2939.	3.3	170
96	Exosomes from Glioma-Associated Mesenchymal Stem Cells Increase the Tumorigenicity of Glioma Stem-like Cells via Transfer of miR-1587. Cancer Research, 2017, 77, 5808-5819.	0.4	169
97	Integrin Î±1Î²1 and Transforming Growth Factor-Î²1 Play Distinct Roles in Alport Glomerular Pathogenesis and Serve as Dual Targets for Metabolic Therapy. American Journal of Pathology, 2000, 157, 1649-1659.	1.9	168
98	Type IV collagen-derived angiogenesis inhibitors. Microvascular Research, 2007, 74, 85-89.	1.1	167
99	The VEGF Pathway in Cancer and Disease: Responses, Resistance, and the Path Forward. Cold Spring Harbor Perspectives in Medicine, 2012, 2, a006593-a006593.	2.9	165
100	Tumor microenvironment and angiogenesis. Frontiers in Bioscience - Landmark, 2008, Volume, 6537.	3.0	163
101	NPHS2 mutations in late-onset focal segmental glomerulosclerosis: R229Q is a common disease-associated allele. Journal of Clinical Investigation, 2002, 110, 1659-1666.	3.9	163
102	Promotion of cholangiocarcinoma growth by diverse cancer-associated fibroblast subpopulations. Cancer Cell, 2021, 39, 866-882.e11.	7.7	159
103	Genome-wide profiling of p53-regulated enhancer RNAs uncovers a subset of enhancers controlled by a lncRNA. Nature Communications, 2015, 6, 6520.	5.8	149
104	Epigenetic Reprogramming of Cancer-Associated Fibroblasts Deregulates Glucose Metabolism and Facilitates Progression of Breast Cancer. Cell Reports, 2020, 31, 107701.	2.9	149
105	Human Â1 type IV collagen NC1 domain exhibits distinct antiangiogenic activity mediated by Â1Â1 integrin. Journal of Clinical Investigation, 2005, 115, 2801-2810.	3.9	145
106	Discovery of Double-Stranded Genomic DNA in Circulating Exosomes. Cold Spring Harbor Symposia on Quantitative Biology, 2016, 81, 275-280.	2.0	144
107	Tumor restriction by type I collagen opposes tumor-promoting effects of cancer-associated fibroblasts. Journal of Clinical Investigation, 2021, 131, .	3.9	144
108	Renal Fibrosis. American Journal of Pathology, 2002, 160, 2001-2008.	1.9	142

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109	Matrix metalloproteinase-9 deficiency phenocopies features of preeclampsia and intrauterine growth restriction. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11109-11114.	3.3	142
110	The biology of preeclampsia. Kidney International, 2009, 76, 831-837.	2.6	135
111	Stage-Specific Action of Matrix Metalloproteinases Influences Progressive Hereditary Kidney Disease. PLoS Medicine, 2006, 3, e100.	3.9	134
112	Targeting Vascular Pericytes in Hypoxic Tumors Increases Lung Metastasis via Angiopoietin-2. Cell Reports, 2015, 10, 1066-1081.	2.9	132
113	Biology and therapeutic potential of mesenchymal stem cellâ€derived exosomes. Cancer Science, 2020, 111, 3100-3110.	1.7	130
114	Heterogeneous antibodies against SARS-CoV-2 spike receptor binding domain and nucleocapsid with implications for COVID-19 immunity. JCI Insight, 2020, 5, .	2.3	130
115	Glomerular expression of nephrin and synaptopodin, but not podocin, is decreased in kidney sections from women with preeclampsia. Nephrology Dialysis Transplantation, 2007, 22, 1136-1143.	0.4	128
116	Tumor stroma derived biomarkers in cancer. Cancer and Metastasis Reviews, 2009, 28, 177-183.	2.7	125
117	NPHS2 mutations in late-onset focal segmental glomerulosclerosis: R229Q is a common disease-associated allele. Journal of Clinical Investigation, 2002, 110, 1659-1666.	3.9	123
118	Blocking Angiotensin II Synthesis/Activity Preserves Glomerular Nephrin in Rats with Severe Nephrosis. Journal of the American Society of Nephrology: JASN, 2001, 12, 941-948.	3.0	122
119	Integrin Î²1-mediated matrix assembly and signaling are critical for the normal development and function of the kidney glomerulus. Developmental Biology, 2008, 313, 584-593.	0.9	115
120	Î±-Actinin-4 Is Required for Normal Podocyte Adhesion. Journal of Biological Chemistry, 2007, 282, 467-477.	1.6	114
121	Selective impairment of gene expression and assembly of nephrin in human diabetic nephropathy. Kidney International, 2004, 65, 2193-2200.	2.6	112
122	VEGF-A Induces Angiogenesis by Perturbing the Cathepsin-Cysteine Protease Inhibitor Balance in Venules, Causing Basement Membrane Degradation and Mother Vessel Formation. Cancer Research, 2009, 69, 4537-4544.	0.4	110
123	Exosomes as mediators of immune regulation and immunotherapy in cancer. FEBS Journal, 2021, 288, 10-35.	2.2	110
124	BMPâ€7 functions as a novel hormone to facilitate liver regeneration. FASEB Journal, 2007, 21, 256-264.	0.2	109
125	Enacting national social distancing policies corresponds with dramatic reduction in COVID19 infection rates. PLoS ONE, 2020, 15, e0236619.	1.1	109
126	Determinants of Vascular Permeability in the Kidney Glomerulus. Journal of Biological Chemistry, 2002, 277, 31154-31162.	1.6	108

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127	Integrin alpha1beta1 and alpha2beta1 are the key regulators of hepatocarcinoma cell invasion across the fibrotic matrix microenvironment. Cancer Research, 2003, 63, 8312-7.	0.4	105
128	Tumstatin, the NC1 domain of Î±3 chain of type IV collagen, is an endogenous inhibitor of pathological angiogenesis and suppresses tumor growth. Biochemical and Biophysical Research Communications, 2005, 333, 292-298.	1.0	104
129	Tet3-Mediated Hydroxymethylation of Epigenetically Silenced Genes Contributes to Bone Morphogenic Protein 7-Induced Reversal of Kidney Fibrosis. Journal of the American Society of Nephrology: JASN, 2014, 25, 905-912.	3.0	104
130	Mitochondrial protein enriched extracellular vesicles discovered in human melanoma tissues can be detected in patient plasma. Journal of Extracellular Vesicles, 2019, 8, 1635420.	5.5	104
131	The Role of Type IV Collagen and Basement Membranes in Cancer Progression and Metastasis. American Journal of Pathology, 2006, 168, 715-717.	1.9	103
132	Regulation by CD25+ lymphocytes of autoantigen-specific T-cell responses in Goodpasture's (anti-GBM) disease. Kidney International, 2003, 64, 1685-1694.	2.6	102
133	Epigenetic balance of aberrant Rasal1 promoter methylation and hydroxymethylation regulates cardiac fibrosis. Cardiovascular Research, 2015, 105, 279-291.	1.8	101
134	The Role of Stromal Myofibroblast and Extracellular Matrix in Tumor Angiogenesis. Genes and Cancer, 2011, 2, 1139-1145.	0.6	100
135	Identification of Functional Heterogeneity of Carcinoma-Associated Fibroblasts with Distinct IL6-Mediated Therapy Resistance in Pancreatic Cancer. Cancer Discovery, 2022, 12, 1580-1597.	7.7	100
136	Endocardial Fibroelastosis Is Caused by Aberrant Endothelial to Mesenchymal Transition. Circulation Research, 2015, 116, 857-866.	2.0	98
137	Interstitial fluid: the overlooked component of the tumor microenvironment?. Fibrogenesis and Tissue Repair, 2010, 3, 12.	3.4	96
138	Fibroblasts emerge via epithelial-mesenchymal transition in chronic kidney fibrosis. Frontiers in Bioscience - Landmark, 2008, Volume, 6991.	3.0	93
139	Circulating ACE2-expressing extracellular vesicles block broad strains of SARS-CoV-2. Nature Communications, 2022, 13, 405.	5.8	92
140	Emerging role of bacterial extracellular vesicles in cancer. Oncogene, 2020, 39, 6951-6960.	2.6	91
141	A role for nephrin, a renal protein, in vertebrate skeletal muscle cell fusion. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9274-9279.	3.3	90
142	High-fidelity CRISPR/Cas9- based gene-specific hydroxymethylation rescues gene expression and attenuates renal fibrosis. Nature Communications, 2018, 9, 3509.	5.8	88
143	Increased concentration of circulating angiogenesis and nitric oxide inhibitors induces endothelial to mesenchymal transition and myocardial fibrosis in patients with chronic kidney disease. International Journal of Cardiology, 2014, 176, 99-109.	0.8	87
144	Tumor Microenvironment Remodeling Enables Bypass of Oncogenic KRAS Dependency in Pancreatic Cancer. Cancer Discovery, 2020, 10, 1058-1077.	7.7	87

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145	Chronic Bile Duct Injury Associated with Fibrotic Matrix Microenvironment Provokes Cholangiocarcinoma in p53-Deficient Mice. Cancer Research, 2006, 66, 6622-6627.	0.4	86
146	Endothelialâ€“Mesenchymal Transition as a Novel Mechanism for Generating Myofibroblasts during Diabetic Nephropathy. American Journal of Pathology, 2009, 175, 1371-1373.	1.9	85
147	Physiology of the Renal Interstitium. Clinical Journal of the American Society of Nephrology: CJASN, 2015, 10, 1831-1840.	2.2	85
148	miR-21 Promotes Fibrogenic Epithelial-to-Mesenchymal Transition of Epicardial Mesothelial Cells Involving Programmed Cell Death 4 and Sprouty-1. PLoS ONE, 2013, 8, e56280.	1.1	83
149	miR-21 Inhibition Reduces Liver Fibrosis and Prevents Tumor Development by Inducing Apoptosis of CD24+ Progenitor Cells. Cancer Research, 2015, 75, 1859-1867.	0.4	83
150	Low-dose hydralazine prevents fibrosis in a murine model of acute kidney injuryâ€“toâ€“chronic kidney disease progression. Kidney International, 2017, 91, 157-176.	2.6	83
151	Reversal of experimental renal fibrosis by BMP7 provides insights into novel therapeutic strategies for chronic kidney disease. Pediatric Nephrology, 2008, 23, 1395-1398.	0.9	81
152	The emerging roles of exosomes in the modulation of immune responses in cancer. Genome Medicine, 2018, 10, 23.	3.6	81
153	Characterization of the anti-angiogenic properties of arresten, an Î±1Î²1 integrin-dependent collagen-derived tumor suppressor. Experimental Cell Research, 2008, 314, 3292-3305.	1.2	80
154	Fibrosis and angiogenesis. Current Opinion in Nephrology and Hypertension, 2000, 9, 413-418.	1.0	79
155	Preeclampsia. American Journal of Pathology, 2010, 176, 710-720.	1.9	79
156	The Goodpasture Autoantigen. Journal of Biological Chemistry, 1996, 271, 9062-9068.	1.6	76
157	Reactive Oxygen Species Expose Cryptic Epitopes Associated with Autoimmune Goodpasture Syndrome. Journal of Biological Chemistry, 2000, 275, 20027-20032.	1.6	76
158	Î²1 integrin expression on endothelial cells is required for angiogenesis but not for vasculogenesis. Developmental Dynamics, 2008, 237, 75-82.	0.8	75
159	Exosome-mediated delivery of CRISPR/Cas9 for targeting of oncogenic Kras^{G12D} in pancreatic cancer. Life Science Alliance, 2021, 4, e202000875.	1.3	75
160	Pre-eclampsia: connecting angiogenic and metabolic pathways. Trends in Endocrinology and Metabolism, 2010, 21, 529-536.	3.1	73
161	The importance of cellâ€mediated immunity in the course and severity of autoimmune antiâ€glomerular basement membrane disease in mice. FASEB Journal, 2003, 17, 860-868.	0.2	69
162	Cellular and Molecular Pathways that Lead to Progression and Regression of Renal Fibrogenesis. Current Molecular Medicine, 2005, 5, 467-474.	0.6	69

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163	Identification of amino acids essential for the antiangiogenic activity of tumstatin and its use in combination antitumor activity. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 15040-15045.	3.3	69
164	The basics of epithelial-mesenchymal transition. Journal of Clinical Investigation, 2010, 120, 1786-1786.	3.9	68
165	Interaction between the extracellular matrix and lymphatics: Consequences for lymphangiogenesis and lymphatic function. Matrix Biology, 2010, 29, 645-656.	1.5	68
166	The contribution of vascular basement membranes and extracellular matrix to the mechanics of tumor angiogenesis. Apmis, 2004, 112, 450-462.	0.9	66
167	De-differentiation of primary human hepatocytes depends on the composition of specialized liver basement membrane. Molecular and Cellular Biochemistry, 2006, 283, 181-189.	1.4	64
168	Molecular Pathways: MicroRNAs as Cancer Therapeutics. Clinical Cancer Research, 2012, 18, 4234-4239.	3.2	62
169	Dual reporter genetic mouse models of pancreatic cancer identify an epithelialâ€toâ€mesenchymal transitionâ€independent metastasis program. EMBO Molecular Medicine, 2018, 10, .	3.3	61
170	Summary of the ISEV workshop on extracellular vesicles as disease biomarkers, held in Birmingham, UK, during December 2017. Journal of Extracellular Vesicles, 2018, 7, 1473707.	5.5	60
171	Assembly of Type IV Collagen. Journal of Biological Chemistry, 2000, 275, 12719-12724.	1.6	59
172	A Mutant Form of the Wilmsâ€™ Tumor Suppressor Gene WT1 Observed in Denys-Drash Syndrome Interferes with Glomerular Capillary Development. Journal of the American Society of Nephrology: JASN, 2002, 13, 2058-2067.	3.0	59
173	Mass Spectrometry and Antibody-Based Characterization of Blood Vessels from Brachylophosaurus canadensis. Journal of Proteome Research, 2015, 14, 5252-5262.	1.8	59
174	Endothelial-to-mesenchymal transition compromises vascular integrity to induce Myc-mediated metabolic reprogramming in kidney fibrosis. Science Signaling, 2020, 13, .	1.6	59
175	Relaxin increases ubiquitin-dependent degradation of fibronectin in vitro and ameliorates renal fibrosis in vivo. American Journal of Physiology - Renal Physiology, 2003, 285, F59-F67.	1.3	58
176	Stem Cell Therapies Benefit Alport Syndrome. Journal of the American Society of Nephrology: JASN, 2009, 20, 2359-2370.	3.0	58
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