David D Roberts

List of Publications by Year
in descending order

251	23,887	9756	8599
papers	citations	73 h-index	146 g-index

254	254	254	25791
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	The chemical biology of nitric oxide: Implications in cellular signaling. Free Radical Biology and Medicine, 2008, 45, 18-31.	1.3	809
3	Improved DNA: liposome complexes for increased systemic delivery and gene expression. Nature Biotechnology, 1997, 15, 647-652.	9.4	737
4	Many pulmonary pathogenic bacteria bind specifically to the carbohydrate sequence GalNAc beta 1-4Gal found in some glycolipids.. Proceedings of the National Academy of Sciences of the United States of America, 1988, 85, 6157-6161.	3.3	451
5	Platelet thrombospondin modulates endothelial cell adhesion, motility, and growth: a potential angiogenesis regulatory factor.. Journal of Cell Biology, 1990, 111, 765-772.	2.3	392
6	Regulation of Transforming Growth Factor-Î² Activation by Discrete Sequences of Thrombospondin 1. Journal of Biological Chemistry, 1995, 270, 7304-7310.	1.6	386
7	Thrombospondin binds falciparum malaria parasitized erythrocytes and may mediate cytoadherence. Nature, 1985, 318, 64-66.	13.7	363
8	Inhibition of Angiogenesis by Thrombospondin-1 Is Mediated by 2 Independent Regions Within the Type 1 Repeats. Circulation, 1999, 100, 1423-1431.	1.6	301
9	Regulation of nitric oxide signalling by thrombospondin 1: implications for anti-angiogenic therapies. Nature Reviews Cancer, 2009, 9, 182-194.	12.8	273
10	Nitric oxide regulates angiogenesis through a functional switch involving thrombospondin-1. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 13147-13152.	3.3	269
11	CD47 Is Necessary for Inhibition of Nitric Oxide-stimulated Vascular Cell Responses by Thrombospondin-1. Journal of Biological Chemistry, 2006, 281, 26069-26080.	1.6	245
12	Thrombospondin-1 inhibits endothelial cell responses to nitric oxide in a cGMP-dependent manner. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 13141-13146.	3.3	244
13	Regulation of tumor growth and metastasis by thrombospondinâ€1. FASEB Journal, 1996, 10, 1183-1191.	0.2	241
14	Reactivity of small thiolate anions and cysteine-25 in papain toward methyl methanethiosulfonate. Biochemistry, 1986, 25, 5595-5601.	1.2	221
15	The Biphasic Nature of Nitric Oxide Responses in Tumor Biology. Antioxidants and Redox Signaling, 2006, 8, 1329-1337.	2.5	217
16	Expression of the extracellular matrix molecule thrombospondin inversely correlates with malignant progression in melanoma, lung and breast carcinoma cell lines. International Journal of Cancer, 1994, 59, 191-195.	2.3	210
17	Thrombospondin-induced tumor cell migration: haptotaxis and chemotaxis are mediated by different molecular domains.. Journal of Cell Biology, 1987, 105, 2409-2415.	2.3	200
18	Pseudomonas aeruginosa and Pseudomonas cepacia isolated from cystic fibrosis patients bind specifically to gangliotetraosylceramide (asialo GM1) and gangliotriaosylceramide (asialo GM2). Archives of Biochemistry and Biophysics, 1988, 260, 493-496.	1.4	200

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19	Thrombospondin-1 Inhibits VEGF Receptor-2 Signaling by Disrupting Its Association with CD47. Journal of Biological Chemistry, 2010, 285, 38923-38932.	1.6	199
20	Nitric oxide regulates matrix metalloproteinase-9 activity by guanylyl-cyclase-dependent and -independent pathways. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 16898-16903.	3.3	188
21	Platelet thrombospondin mediates attachment and spreading of human melanoma cells.. Journal of Cell Biology, 1987, 104, 131-139.	2.3	183
22	CD47 in the Tumor Microenvironment Limits Cooperation between Antitumor T-cell Immunity and Radiotherapy. Cancer Research, 2014, 74, 6771-6783.	0.4	179
23	Thrombospondin-1 stimulates platelet aggregation by blocking the antithrombotic activity of nitric oxide/cGMP signaling. Blood, 2008, 111, 613-623.	0.6	173
24	Molecular mechanisms for discrete nitric oxide levels in cancer. Nitric Oxide - Biology and Chemistry, 2008, 19, 73-76.	1.2	172
25	Laminin binds specifically to sulfated glycolipids.. Proceedings of the National Academy of Sciences of the United States of America, 1985, 82, 1306-1310.	3.3	157
26	Modulation of endothelial cell proliferation, adhesion, and motility by recombinant heparin-binding domain and synthetic peptides from the type I repeats of thrombospondin. Journal of Cellular Biochemistry, 1993, 53, 74-84.	1.2	153
27	Heparin- and sulfatide-binding peptides from the type I repeats of human thrombospondin promote melanoma cell adhesion.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 3040-3044.	3.3	152
28	Interactions of thrombospondins with Î±4Î²1 integrin and CD47 differentially modulate T cell behavior. Journal of Cell Biology, 2002, 157, 509-519.	2.3	149
29	CD47 signaling pathways controlling cellular differentiation and responses to stress. Critical Reviews in Biochemistry and Molecular Biology, 2015, 50, 212-230.	2.3	148
30	Radioprotection in Normal Tissue and Delayed Tumor Growth by Blockade of CD47 Signaling. Science Translational Medicine, 2009, 1, 3ra7.	5.8	145
31	Arginine-Induced Germ Tube Formation in Candida albicans Is Essential for Escape from Murine Macrophage Line RAW 264.7. Infection and Immunity, 2009, 77, 1596-1605.	1.0	144
32	Cell Contactâ€“dependent Activation of Î±3Î²1 Integrin Modulates Endothelial Cell Responses to Thrombospondin-1. Molecular Biology of the Cell, 2000, 11, 2885-2900.	0.9	143
33	Thrombospondin-1 supports blood pressure by limiting eNOS activation and endothelial-dependent vasorelaxation. Cardiovascular Research, 2010, 88, 471-481.	1.8	131
34	Differential Interactions of Thrombospondin-1, -2, and -4 with CD47 and Effects on cGMP Signaling and Ischemic Injury Responses. Journal of Biological Chemistry, 2009, 284, 1116-1125.	1.6	126
35	Thrombospondin-1 is a major activator of TGF-Î² in fibrotic renal disease in the rat in vivo. Kidney International, 2004, 65, 459-468.	2.6	124
36	Thrombospondin-1 Signaling through CD47 Inhibits Self-renewal by Regulating c-Myc and Other Stem Cell Transcription Factors. Scientific Reports, 2013, 3, 1673.	1.6	124

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37	Thrombospondin-1 Inhibits Nitric Oxide Signaling via CD36 by Inhibiting Myristic Acid Uptake. Journal of Biological Chemistry, 2007, 282, 15404-15415.	1.6	123
38	Increasing Survival of Ischemic Tissue by Targeting CD47. Circulation Research, 2007, 100, 712-720.	2.0	121
39	Thrombospondins: from structure to therapeutics. Cellular and Molecular Life Sciences, 2008, 65, 728-742.	2.4	120
40	Hydrogen Sulfide Is an Endogenous Potentiator of T Cell Activation. Journal of Biological Chemistry, 2012, 287, 4211-4221.	1.6	114
41	CD47-dependent immunomodulatory and angiogenic activities of extracellular vesicles produced by T cells. Matrix Biology, 2014, 37, 49-59.	1.5	114
42	Cellular Internalization and Degradation of Thrombospondin-1 Is Mediated by the Amino-terminal Heparin Binding Domain (HBD). Journal of Biological Chemistry, 1997, 272, 6784-6791.	1.6	111
43	Pro-adhesive and Chemotactic Activities of Thrombospondin-1 for Breast Carcinoma Cells Are Mediated by Î±3Î²1 Integrin and Regulated by Insulin-like Growth Factor-1 and CD98. Journal of Biological Chemistry, 1999, 274, 11408-11416.	1.6	111
44	Interaction of Î±9Î²1 Integrin With Thrombospondin-1 Promotes Angiogenesis. Circulation Research, 2007, 100, 1308-1316.	2.0	110
45	Apolipoprotein E: A potent inhibitor of endothelial and tumor cell proliferation. Journal of Cellular Biochemistry, 1994, 54, 299-308.	1.2	109
46	Thrombospondin-1 antagonizes nitric oxide-stimulated vascular smooth muscle cell responses. Cardiovascular Research, 2006, 71, 785-793.	1.8	109
47	Thrombospondin-1 limits ischemic tissue survival by inhibiting nitric oxideâ€“mediated vascular smooth muscle relaxation. Blood, 2007, 109, 1945-1952.	0.6	109
48	Thrombospondin 1 Promotes Tumor Macrophage Recruitment and Enhances Tumor Cell Cytotoxicity of Differentiated U937 Cells. Cancer Research, 2008, 68, 7090-7099.	0.4	109
49	Signaling and stress: The redox landscape in NOS2 biology. Free Radical Biology and Medicine, 2015, 87, 204-225.	1.3	108
50	Sulfated glycolipids and cell adhesion. Archives of Biochemistry and Biophysics, 1988, 267, 405-415.	1.4	105
51	Superoxide Fluxes Limit Nitric Oxide-induced Signaling. Journal of Biological Chemistry, 2006, 281, 25984-25993.	1.6	104
52	Molecular Regulation of Tumor Angiogenesis and Perfusion via Redox Signaling. Chemical Reviews, 2009, 109, 3099-3124.	23.0	104
53	Thrombospondin-1 Inhibits TCR-Mediated T Lymphocyte Early Activation. Journal of Immunology, 2001, 166, 2427-2436.	0.4	103
54	CD47 Signaling Regulates the Immunosuppressive Activity of VEGF in T Cells. Journal of Immunology, 2014, 193, 3914-3924.	0.4	103

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55	Thrombospondin-1 and CD47 regulate blood pressure and cardiac responses to vasoactive stress. Matrix Biology, 2009, 28, 110-119.	1.5	99
56	The matricellular protein thrombospondin-1 globally regulates cardiovascular function and responses to stress via CD47. Matrix Biology, 2012, 31, 162-169.	1.5	99
57	Nitric oxide in wound-healing. Microsurgery, 2005, 25, 442-451.	0.6	97
58	Programmable multivalent display of receptor ligands using peptide nucleic acid nanoscaffolds. Nature Communications, 2012, 3, 614.	5.8	94
59	Î± 4 Î² 1 Integrin Mediates Selective Endothelial Cell Responses to Thrombospondins 1 and 2 In Vitro and Modulates Angiogenesis In Vivo. Circulation Research, 2004, 94, 462-470.	2.0	93
60	A function-blocking CD47 antibody suppresses stem cell and EGF signaling in triple-negative breast cancer. Oncotarget, 2016, 7, 10133-10152.	0.8	92
61	Endoplasmic Reticulum Stress Protein GRP78 Modulates Lipid Metabolism to Control Drug Sensitivity and Antitumor Immunity in Breast Cancer. Cancer Research, 2016, 76, 5657-5670.	0.4	91
62	Recognition of the N-terminal Modules of Thrombospondin-1 and Thrombospondin-2 by Î±6Î²1 Integrin. Journal of Biological Chemistry, 2003, 278, 40679-40687.	1.6	90
63	Heme Oxygenase in Candida albicans Is Regulated by Hemoglobin and Is Necessary for Metabolism of Exogenous Heme and Hemoglobin to Î±-Biliverdin. Journal of Biological Chemistry, 2004, 279, 3426-3433.	1.6	90
64	CD47 deficiency confers cell and tissue radioprotection by activation of autophagy. Autophagy, 2012, 8, 1628-1642.	4.3	89
65	Blocking Thrombospondin-1/CD47 Signaling Alleviates Deleterious Effects of Aging on Tissue Responses to Ischemia. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 2582-2588.	1.1	88
66	Heparan Sulfate Modification of the Transmembrane Receptor CD47 Is Necessary for Inhibition of T Cell Receptor Signaling by Thrombospondin-1. Journal of Biological Chemistry, 2011, 286, 14991-15002.	1.6	87
67	Isolation of laminin by affinity chromatography on immobilized Griffonia simplicifolia I lectin. FEBS Letters, 1982, 142, 194-198.	1.3	85
68	Angiogenesis inhibitors target the endothelial cell cytoskeleton through altered regulation of heat shock protein 27 and cofilin. Cancer Research, 2003, 63, 6405-12.	0.4	85
69	Blockade of Thrombospondin-1-CD47 Interactions Prevents Necrosis of Full Thickness Skin Grafts. Annals of Surgery, 2008, 247, 180-190.	2.1	82
70	Identification of Novel Î²1 Integrin Binding Sites in the Type 1 and Type 2 Repeats of Thrombospondin-1. Journal of Biological Chemistry, 2004, 279, 41734-41743.	1.6	81
71	Identification of heat shock protein 60 as a molecular mediator of alpha 3 beta 1 integrin activation. Cancer Research, 2002, 62, 1541-8.	0.4	81
72	Regulation of Integrin Function by CD47 Ligands. Journal of Biological Chemistry, 2002, 277, 42859-42866.	1.6	80

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73	Thrombospondin-1 is a CD47-dependent endogenous inhibitor of hydrogen sulfide signaling in T cell activation. Matrix Biology, 2013, 32, 316-324.	1.5	79
74	Identification of an Î±3Î²1 Integrin Recognition Sequence in Thrombospondin-1. Journal of Biological Chemistry, 1999, 274, 24080-24086.	1.6	77
75	Thrombospondin-1 and CD47 Limit Cell and Tissue Survival of Radiation Injury. American Journal of Pathology, 2008, 173, 1100-1112.	1.9	77
76	CD47 Receptor Globally Regulates Metabolic Pathways That Control Resistance to Ionizing Radiation. Journal of Biological Chemistry, 2015, 290, 24858-24874.	1.6	76
77	Secreted Thrombospondin-1 Regulates Macrophage Interleukin-1Î² Production and Activation through CD47. Scientific Reports, 2016, 6, 19684.	1.6	73
78	Treatment of liver ischemiaâ€“reperfusion injury by limiting thrombospondin-1/CD47 signaling. Surgery, 2008, 144, 752-761.	1.0	72
79	Modulation of angiogenesis by dithiolethione-modified NSAIDs and valproic acid. British Journal of Pharmacology, 2007, 151, 142-151.	2.7	71
80	Blockade of CD47 increases survival of mice exposed to lethal total body irradiation. Scientific Reports, 2013, 3, 1038.	1.6	70
81	Positive Feedback between Vascular Endothelial Growth Factor-A and Autotaxin in Ovarian Cancer Cells. Molecular Cancer Research, 2008, 6, 352-363.	1.5	68
82	Natural Killer Cell Recruitment and Activation Are Regulated by CD47 Expression in the Tumor Microenvironment. Cancer Immunology Research, 2019, 7, 1547-1561.	1.6	66
83	Antiproliferative and antitumor activities of Dâ€reverse peptides derived from the second typeâ€1 repeat of thrombospondinâ€1. Chemical Biology and Drug Design, 1997, 50, 210-221.	1.2	63
84	Functions of Thrombospondin-1 in the Tumor Microenvironment. International Journal of Molecular Sciences, 2021, 22, 4570.	1.8	63
85	Nitric Oxide and Its Gatekeeper Thrombospondin-1 in Tumor Angiogenesis: Fig. 1.. Clinical Cancer Research, 2007, 13, 795-798.	3.2	62
86	Inhibition of fibronectin binding and fibronectin-mediated cell adhesion to collagen by a peptide from the second type I repeat of thrombospondin.. Journal of Cell Biology, 1993, 121, 469-477.	2.3	61
87	Thrombospondin-1 inhibition of vascular smooth muscle cell responses occurs via modulation of both cAMP and cGMP. Pharmacological Research, 2011, 63, 13-22.	3.1	61
88	Age-dependent regulation of skeletal muscle mitochondria by the thrombospondin-1 receptor CD47. Matrix Biology, 2011, 30, 154-161.	1.5	60
89	Binding of hydrophobic ligands to plant lectins: Titration with arylaminonaphthalenesulfonates. Archives of Biochemistry and Biophysics, 1983, 224, 479-484.	1.4	58
90	Autotaxin Signaling via Lysophosphatidic Acid Receptors Contributes to Vascular Endothelial Growth Factorâ€Induced Endothelial Cell Migration. Molecular Cancer Research, 2010, 8, 309-321.	1.5	57

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91	Therapeutic opportunities for targeting the ubiquitous cell surface receptor CD47. Expert Opinion on Therapeutic Targets, 2013, 17, 89-103.	1.5	56
92	Cooperation between Thrombospondin-1 Type 1 Repeat Peptides and Î±vÎ²3 Integrin Ligands to Promote Melanoma Cell Spreading and Focal Adhesion Kinase Phosphorylation. Journal of Biological Chemistry, 1999, 274, 22755-22762.	1.6	55
93	Endogenous thrombospondin-1 is not necessary for proliferation but is permissive for vascular smooth muscle cell responses to platelet-derived growth factor. Matrix Biology, 2005, 24, 110-123.	1.5	55
94	Gene Silencing of CD47 and Antibody Ligation of Thrombospondin-1 Enhance Ischemic Tissue Survival in a Porcine Model. Annals of Surgery, 2008, 247, 860-868.	2.1	55
95	Combination of anthracyclines and anti-CD47 therapy inhibit invasive breast cancer growth while preventing cardiac toxicity by regulation of autophagy. Breast Cancer Research and Treatment, 2018, 172, 69-82.	1.1	55
96	Thrombospondin-1/CD47 Blockade following Ischemia-Reperfusion Injury Is Tissue Protective. Plastic and Reconstructive Surgery, 2009, 124, 1880-1889.	0.7	54
97	Mitochondria directly donate their membrane to form autophagosomes during a novel mechanism of parkin-associated mitophagy. Cell and Bioscience, 2014, 4, 16.	2.1	54
98	Tumour cell thrombospondin-1 regulates tumour cell adhesion and invasion through the urokinase plasminogen activator receptor. British Journal of Cancer, 2000, 83, 298-306.	2.9	52
99	CD47 Expression in Natural Killer Cells Regulates Homeostasis and Modulates Immune Response to Lymphocytic Choriomeningitis Virus. Frontiers in Immunology, 2018, 9, 2985.	2.2	52
100	Versican-thrombospondin-1 binding in vitro and colocalization in microfibrils induced by inflammation on vascular smooth muscle cells. Journal of Cell Science, 2006, 119, 4499-4509.	1.2	51
101	Thrombospondin-1 and CD47 signaling regulate healing of thermal injury in mice. Matrix Biology, 2014, 37, 25-34.	1.5	51
102	Proteomic Identification of New Biomarkers and Application in Thyroid Cytology. Acta Cytologica, 2006, 50, 518-528.	0.7	50
103	Sensing the host environment: recognition of hemoglobin by the pathogenic yeast Candida albicans. Archives of Biochemistry and Biophysics, 2004, 426, 148-156.	1.4	49
104	Thrombospondinâ€1 is an inhibitor of pharmacological activation of soluble guanylate cyclase. British Journal of Pharmacology, 2010, 159, 1542-1547.	2.7	49
105	Amyloid-Î² Inhibits No-cGMP Signaling in a CD36- and CD47-Dependent Manner. PLoS ONE, 2010, 5, e15686.	1.1	49
106	Characterization of the adenine binding sites of two Dolichos biflorus lectins. Biochemistry, 1992, 31, 6938-6942.	1.2	45
107	CD47. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 615-621.	1.1	44
108	Sulfatide-binding proteins. Chemistry and Physics of Lipids, 1986, 42, 173-183.	1.5	43

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109	Enhanced Gene Expression in Breast Cancer Cells in Vitro and Tumors in Vivo. Molecular Therapy, 2002, 6, 783-792.	3.7	43
110	Dithiolethione compounds inhibit Akt signaling in human breast and lung cancer cells by increasing PP2A activity. Oncogene, 2009, 28, 3837-3846.	2.6	43
111	NOS Inhibition Modulates Immune Polarization and Improves Radiation-Induced Tumor Growth Delay. Cancer Research, 2015, 75, 2788-2799.	0.4	43
112	Treatment of Experimental Brain Tumors with Trombospondin-1 Derived Peptides: an In Vivo Imaging Study. Neoplasia, 1999, 1, 438-445.	2.3	41
113	Thrombospondin 1 and Vasoactive Agents Indirectly Alter Tumor Blood Flow. Neoplasia, 2008, 10, 886-IN22.	2.3	41
114	Activated CD47 regulates multiple vascular and stress responses: implications for acute kidney injury and its management. American Journal of Physiology - Renal Physiology, 2012, 303, F1117-F1125.	1.3	41
115	Antisense targeting of CD47 enhances human cytotoxic T-cell activity and increases survival of miceÂbearing B16 melanoma when combined with anti-CTLA4 and tumor irradiation. Cancer Immunology, Immunotherapy, 2019, 68, 1805-1817.	2.0	40
116	Evolutionary aspects of urea utilization by fungi. FEMS Yeast Research, 2010, 10, 209-213.	1.1	39
117	Purification of thrombospondin from human platelets. Cytotechnology, 1994, 16, 217-222.	0.3	38
118	Efficient gene targeting in mouse embryonic stem cells. Gene Therapy, 1997, 4, 700-709.	2.3	38
119	Hemoglobin Induces Binding of Several Extracellular Matrix Proteins to Candida albicans. Journal of Biological Chemistry, 1998, 273, 5638-5644.	1.6	38
120	Hemoglobin Regulates Expression of an Activator of Mating-Type Locus Î± Genes in Candida albicans. Eukaryotic Cell, 2004, 3, 764-775.	3.4	38
121	Silencing of directional migration in roundabout4 knockdown endothelial cells. BMC Cell Biology, 2008, 9, 61.	3.0	38
122	Divergent modulation of normal and neoplastic stem cells by thrombospondin-1 and CD47 signaling. International Journal of Biochemistry and Cell Biology, 2016, 81, 184-194.	1.2	38
123	The N-terminal Module of Thrombospondin-1 Interacts with the Link Domain of TSG-6 and Enhances Its Covalent Association with the Heavy Chains of Inter-Î±-trypsin Inhibitor. Journal of Biological Chemistry, 2005, 280, 30899-30908.	1.6	37
124	Differential effects of ABT-510 and a CD36-binding peptide derived from the type 1 repeats of thrombospondin-1 on fatty acid uptake, nitric oxide signaling, and caspase activation in vascular cells. Biochemical Pharmacology, 2008, 75, 875-882.	2.0	37
125	CD47 Promotes Protective Innate and Adaptive Immunity in a Mouse Model of Disseminated Candidiasis. PLoS ONE, 2015, 10, e0128220.	1.1	37
126	Preclinical and clinical development of therapeutic antibodies targeting functions of CD47 in the tumor microenvironment. Antibody Therapeutics, 2020, 3, 179-192.	1.2	37

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127	Type I collagen is a molecular target for inhibition of angiogenesis by endogenous thrombospondin-1. Oncogene, 2006, 25, 536-545.	2.6	36
128	Early Genetic Mechanisms Underlying the Inhibitory Effects of Endostatin and Fumagillin on Human Endothelial Cells. Genome Research, 2004, 14, 1585-1593.	2.4	35
129	Thiolutin inhibits endothelial cell adhesion by perturbing Hsp27 interactions with components of the actin and intermediate filament cytoskeleton. Cell Stress and Chaperones, 2010, 15, 165-181.	1.2	35
130	Dithiolethione modified valproate and diclofenac increase E-cadherin expression and decrease proliferation of non-small cell lung cancer cells. Lung Cancer, 2010, 68, 154-160.	0.9	35
131	Emerging functions of matricellular proteins. Cellular and Molecular Life Sciences, 2011, 68, 3133-3136.	2.4	35
132	TSG-6 binds via its CUB_C domain to the cell-binding domain of fibronectin and increases fibronectin matrix assembly. Matrix Biology, 2008, 27, 201-210.	1.5	34
133	Candida albicans heme oxygenase and its product CO contribute to pathogenesis of candidemia and alter systemic chemokine and cytokine expression. Free Radical Biology and Medicine, 2010, 49, 1561-1573.	1.3	34
134	CD63, MHC class 1, and CD47 identify subsets of extracellular vesicles containing distinct populations of noncoding RNAs. Scientific Reports, 2018, 8, 2577.	1.6	34
135	Structural study of the sugar chains of human platelet thrombospondin. Archives of Biochemistry and Biophysics, 1989, 270, 302-312.	1.4	33
136	Thrombospondins: from structure to therapeutics. Cellular and Molecular Life Sciences, 2008, 65, 667-671.	2.4	33
137	sFRP-1 binds via its netrin-related motif to the N-module of thrombospondin-1 and blocks thrombospondin-1 stimulation of MDA-MB-231 breast carcinoma cell adhesion and migration. Archives of Biochemistry and Biophysics, 2011, 509, 147-156.	1.4	33
138	Dur3 is the major urea transporter in Candida albicans and is co-regulated with the urea amidolyase Dur1,2. Microbiology (United Kingdom), 2011, 157, 270-279.	0.7	33
139	Urea Amidolyase (DUR1,2) Contributes to Virulence and Kidney Pathogenesis of Candida albicans. PLoS ONE, 2012, 7, e48475.	1.1	33
140	Tipping off endothelial tubes: nitric oxide drives tip cells. Angiogenesis, 2015, 18, 175-189.	3.7	33
141	Novel Integrin Antagonists Derived from Thrombospondins. Current Pharmaceutical Design, 2005, 11, 849-866.	0.9	32
142	CD47 applies the brakes to angiogenesis via vascular endothelial growth factor receptor-2. Cell Cycle, 2011, 10, 10-12.	1.3	32
143	Glycoconjugates and cell adhesion: the adhesive proteins laminin, thrombospondin and bon Willebrand's factor bind specifically to sulfated glycolipids. Biochimie, 1988, 70, 1651-1659.	1.3	31
144	Endogenous Thrombospondin-1 Regulates Leukocyte Recruitment and Activation and Accelerates Death from Systemic Candidiasis. PLoS ONE, 2012, 7, e48775.	1.1	31

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145	A function-blocking CD47 antibody modulates extracellular vesicle-mediated intercellular signaling between breast carcinoma cells and endothelial cells. Journal of Cell Communication and Signaling, 2018, 12, 157-170.	1.8	31
146	Specificities of Heparin-binding Sites from the Amino-Terminus and Type 1 Repeats of Thrombospondin-1. Archives of Biochemistry and Biophysics, 2000, 374, 13-23.	1.4	29
147	Conformational Regulation of the Fibronectin Binding and Î±3Î²1 Integrin-mediated Adhesive Activities of Thrombospondin-1. Journal of Biological Chemistry, 2001, 276, 27913-27922.	1.6	29
148	Age-Associated Induction of Cell Membrane CD47 Limits Basal and Temperature-Induced Changes in Cutaneous Blood Flow. Annals of Surgery, 2013, 258, 184-191.	2.1	29
149	Regulation of soluble guanylate cyclase by matricellular thrombospondins: implications for blood flow. Frontiers in Physiology, 2014, 5, 134.	1.3	29
150	Studies of the Receptors on Melanoma Cells for Plasmodium Falciparum Infected Erythrocytes. American Journal of Tropical Medicine and Hygiene, 1989, 40, 119-127.	0.6	29
151	Functional regulation of T lymphocytes by modulatory extracellular matrix proteins. International Journal of Biochemistry and Cell Biology, 2004, 36, 1126-1134.	1.2	28
152	Novel Dithiolethione-Modified Nonsteroidal Anti-Inflammatory Drugs in Human Hepatoma HepG2 and Colon LS180 Cells. Clinical Cancer Research, 2009, 15, 1964-1972.	3.2	28
153	Regulation of Cellular Redox Signaling by Matricellular Proteins in Vascular Biology, Immunology, and Cancer. Antioxidants and Redox Signaling, 2017, 27, 874-911.	2.5	28
154	Quantitative high-throughput screening assays for the discovery and development of SIRPÎ±-CD47 interaction inhibitors. PLoS ONE, 2019, 14, e0218897.	1.1	28
155	Interactions of Respiratory Pathogens with Host Cell Surface and Extracellular Matrix Components. American Journal of Respiratory Cell and Molecular Biology, 1990, 3, 181-186.	1.4	27
156	Endothelial monocyte activating polypeptide-II induced gene expression changes in endothelial cells. Cytokine, 2005, 30, 347-358.	1.4	27
157	The Activation of Metabolites of Nitric Oxide Synthase by Metals Is Both Redox and Oxygen Dependent: A New Feature of Nitrogen Oxide Signaling. Antioxidants and Redox Signaling, 2006, 8, 1363-1371.	2.5	27
158	MRI confirms loss of bloodâ€“brain barrier integrity in a mouse model of disseminated candidiasis. NMR in Biomedicine, 2013, 26, 1125-1134.	1.6	27
159	A serum test for cystic fibrosis using monoclonal antibody 19-9. Archives of Biochemistry and Biophysics, 1986, 245, 292-294.	1.4	26
160	[38] Sulfatide-binding proteins. Methods in Enzymology, 1987, 138, 473-483.	0.4	26
161	Thrombospondin Binding by Parasitized Erythrocyte Isolates in Falciparum Malaria. American Journal of Tropical Medicine and Hygiene, 1987, 36, 228-233.	0.6	26
162	Structural Requirements for Hemoglobin To Induce Fibronectin Receptor Expression inCandidaalbicans. Biochemistry, 2000, 39, 16110-16118.	1.2	25

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163	Thrombospondin-1 in maladaptive aging responses: a concept whose time has come. American Journal of Physiology - Cell Physiology, 2020, 319, C45-C63.	2.1	25
164	Evolutionary aspects of urea utilization by fungi. FEMS Yeast Research, 2010, 10, 209-213.	1.1	25
165	Apolipoprotein E (ApoE), a novel heparin-binding protein inhibits the development of Kaposi's sarcoma-like lesions in BALB/c nu/nu mice.. Journal of Experimental Medicine, 1994, 180, 1949-1954.	4.2	24
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