

# David D Roberts

## List of Publications by Citations

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240  
papers

17,623  
citations

68  
h-index

127  
g-index

254  
ext. papers

20,703  
ext. citations

6.8  
avg, IF

6.18  
L-index

#	Paper	IF	Citations
240	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. <i>Journal of Extracellular Vesicles</i> , <b>2018</b> , 7, 1535750	16.4	3642
239	Improved DNA: liposome complexes for increased systemic delivery and gene expression. <i>Nature Biotechnology</i> , <b>1997</b> , 15, 647-52	44.5	673
238	The chemical biology of nitric oxide: implications in cellular signaling. <i>Free Radical Biology and Medicine</i> , <b>2008</b> , 45, 18-31	7.8	656
237	Platelet thrombospondin modulates endothelial cell adhesion, motility, and growth: a potential angiogenesis regulatory factor. <i>Journal of Cell Biology</i> , <b>1990</b> , 111, 765-72	7.3	364
236	Many pulmonary pathogenic bacteria bind specifically to the carbohydrate sequence GalNAc beta 1-4Gal found in some glycolipids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1988</b> , 85, 6157-61	11.5	362
235	Regulation of transforming growth factor-beta activation by discrete sequences of thrombospondin 1. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 7304-10	5.4	327
234	Thrombospondin binds falciparum malaria parasitized erythrocytes and may mediate cytoadherence. <i>Nature</i> , <b>1985</b> , 318, 64-6	50.4	305
233	Inhibition of angiogenesis by thrombospondin-1 is mediated by 2 independent regions within the type 1 repeats. <i>Circulation</i> , <b>1999</b> , 100, 1423-31	16.7	271
232	Nitric oxide regulates angiogenesis through a functional switch involving thrombospondin-1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 13147-52	11.5	228
231	Regulation of tumor growth and metastasis by thrombospondin-1. <i>FASEB Journal</i> , <b>1996</b> , 10, 1183-1191	0.9	223
230	Regulation of nitric oxide signalling by thrombospondin 1: implications for anti-angiogenic therapies. <i>Nature Reviews Cancer</i> , <b>2009</b> , 9, 182-94	31.3	219
229	Reactivity of small thiolate anions and cysteine-25 in papain toward methyl methanethiosulfonate. <i>Biochemistry</i> , <b>1986</b> , 25, 5595-601	3.2	213
228	Thrombospondin-1 inhibits endothelial cell responses to nitric oxide in a cGMP-dependent manner. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 13141-6	11.5	210
227	Expression of the extracellular matrix molecule thrombospondin inversely correlates with malignant progression in melanoma, lung and breast carcinoma cell lines. <i>International Journal of Cancer</i> , <b>1994</b> , 59, 191-5	7.5	199
226	CD47 is necessary for inhibition of nitric oxide-stimulated vascular cell responses by thrombospondin-1. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 26069-80	5.4	196
225	The biphasic nature of nitric oxide responses in tumor biology. <i>Antioxidants and Redox Signaling</i> , <b>2006</b> , 8, 1329-37	8.4	187
224	Thrombospondin-induced tumor cell migration: haptotaxis and chemotaxis are mediated by different molecular domains. <i>Journal of Cell Biology</i> , <b>1987</b> , 105, 2409-15	7.3	181

223	Platelet thrombospondin mediates attachment and spreading of human melanoma cells. <i>Journal of Cell Biology</i> , <b>1987</b> , 104, 131-9	7.3	164
222	Nitric oxide regulates matrix metalloproteinase-9 activity by guanylyl-cyclase-dependent and -independent pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 16898-903	11.5	163
221	<i>Pseudomonas aeruginosa</i> and <i>Pseudomonas cepacia</i> isolated from cystic fibrosis patients bind specifically to gangliotetraosylceramide (asialo GM1) and gangliotriaosylceramide (asialo GM2). <i>Archives of Biochemistry and Biophysics</i> , <b>1988</b> , 260, 493-6	4.1	162
220	Thrombospondin-1 inhibits VEGF receptor-2 signaling by disrupting its association with CD47. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 38923-32	5.4	145
219	Heparin- and sulfatide-binding peptides from the type I repeats of human thrombospondin promote melanoma cell adhesion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1992</b> , 89, 3040-4	11.5	142
218	Modulation of endothelial cell proliferation, adhesion, and motility by recombinant heparin-binding domain and synthetic peptides from the type I repeats of thrombospondin. <i>Journal of Cellular Biochemistry</i> , <b>1993</b> , 53, 74-84	4.7	140
217	Laminin binds specifically to sulfated glycolipids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1985</b> , 82, 1306-10	11.5	140
216	Thrombospondin-1 stimulates platelet aggregation by blocking the antithrombotic activity of nitric oxide/cGMP signaling. <i>Blood</i> , <b>2008</b> , 111, 613-23	2.2	139
215	Molecular mechanisms for discrete nitric oxide levels in cancer. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2008</b> , 19, 73-6	5	138
214	CD47 in the tumor microenvironment limits cooperation between antitumor T-cell immunity and radiotherapy. <i>Cancer Research</i> , <b>2014</b> , 74, 6771-83	10.1	127
213	Cell contact-dependent activation of alpha3beta1 integrin modulates endothelial cell responses to thrombospondin-1. <i>Molecular Biology of the Cell</i> , <b>2000</b> , 11, 2885-900	3.5	126
212	Interactions of thrombospondins with alpha4beta1 integrin and CD47 differentially modulate T cell behavior. <i>Journal of Cell Biology</i> , <b>2002</b> , 157, 509-19	7.3	121
211	Arginine-induced germ tube formation in <i>Candida albicans</i> is essential for escape from murine macrophage line RAW 264.7. <i>Infection and Immunity</i> , <b>2009</b> , 77, 1596-605	3.7	112
210	Radioprotection in normal tissue and delayed tumor growth by blockade of CD47 signaling. <i>Science Translational Medicine</i> , <b>2009</b> , 1, 3ra7	17.5	111
209	Thrombospondin-1 is a major activator of TGF-beta in fibrotic renal disease in the rat in vivo. <i>Kidney International</i> , <b>2004</b> , 65, 459-68	9.9	111
208	Differential interactions of thrombospondin-1, -2, and -4 with CD47 and effects on cGMP signaling and ischemic injury responses. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 1116-25	5.4	106
207	Increasing survival of ischemic tissue by targeting CD47. <i>Circulation Research</i> , <b>2007</b> , 100, 712-20	15.7	102
206	Thrombospondin-1 inhibits nitric oxide signaling via CD36 by inhibiting myristic acid uptake. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 15404-15	5.4	102

205	Pro-adhesive and chemotactic activities of thrombospondin-1 for breast carcinoma cells are mediated by alpha3beta1 integrin and regulated by insulin-like growth factor-1 and CD98. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 11408-16	5.4	101
204	Interaction of alpha9beta1 integrin with thrombospondin-1 promotes angiogenesis. <i>Circulation Research</i> , <b>2007</b> , 100, 1308-16	15.7	99
203	Thrombospondin-1 limits ischemic tissue survival by inhibiting nitric oxide-mediated vascular smooth muscle relaxation. <i>Blood</i> , <b>2007</b> , 109, 1945-52	2.2	99
202	Thrombospondin-1 supports blood pressure by limiting eNOS activation and endothelial-dependent vasorelaxation. <i>Cardiovascular Research</i> , <b>2010</b> , 88, 471-81	9.9	97
201	Apolipoprotein E: a potent inhibitor of endothelial and tumor cell proliferation. <i>Journal of Cellular Biochemistry</i> , <b>1994</b> , 54, 299-308	4.7	97
200	Cellular internalization and degradation of thrombospondin-1 is mediated by the amino-terminal heparin binding domain (HBD). High affinity interaction of dimeric HBD with the low density lipoprotein receptor-related protein. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 6784-91	5.4	95
199	Thrombospondin-1: a physiological regulator of nitric oxide signaling. <i>Cellular and Molecular Life Sciences</i> , <b>2008</b> , 65, 728-42	10.3	94
198	Superoxide fluxes limit nitric oxide-induced signaling. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 25984-93	5.4	94
197	Thrombospondin-1 antagonizes nitric oxide-stimulated vascular smooth muscle cell responses. <i>Cardiovascular Research</i> , <b>2006</b> , 71, 785-93	9.9	93
196	Sulfated glycolipids and cell adhesion. <i>Archives of Biochemistry and Biophysics</i> , <b>1988</b> , 267, 405-15	4.1	93
195	Molecular regulation of tumor angiogenesis and perfusion via redox signaling. <i>Chemical Reviews</i> , <b>2009</b> , 109, 3099-124	68.1	92
194	CD47 signaling pathways controlling cellular differentiation and responses to stress. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , <b>2015</b> , 50, 212-30	8.7	91
193	Thrombospondin-1 signaling through CD47 inhibits self-renewal by regulating c-Myc and other stem cell transcription factors. <i>Scientific Reports</i> , <b>2013</b> , 3, 1673	4.9	90
192	Hydrogen sulfide is an endogenous potentiator of T cell activation. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 4211-21	5.4	88
191	Thrombospondin 1 promotes tumor macrophage recruitment and enhances tumor cell cytotoxicity of differentiated U937 cells. <i>Cancer Research</i> , <b>2008</b> , 68, 7090-9	10.1	88
190	Alpha4beta1 integrin mediates selective endothelial cell responses to thrombospondins 1 and 2 in vitro and modulates angiogenesis in vivo. <i>Circulation Research</i> , <b>2004</b> , 94, 462-70	15.7	86
189	CD47-dependent immunomodulatory and angiogenic activities of extracellular vesicles produced by T cells. <i>Matrix Biology</i> , <b>2014</b> , 37, 49-59	11.4	83
188	Programmable multivalent display of receptor ligands using peptide nucleic acid nanoscaffolds. <i>Nature Communications</i> , <b>2012</b> , 3, 614	17.4	83

187	The matricellular protein thrombospondin-1 globally regulates cardiovascular function and responses to stress via CD47. <i>Matrix Biology</i> , <b>2012</b> , 31, 162-9	11.4	83
186	Signaling and stress: The redox landscape in NOS2 biology. <i>Free Radical Biology and Medicine</i> , <b>2015</b> , 87, 204-25	7.8	82
185	Thrombospondin-1 and CD47 regulate blood pressure and cardiac responses to vasoactive stress. <i>Matrix Biology</i> , <b>2009</b> , 28, 110-9	11.4	82
184	Nitric oxide in wound-healing. <i>Microsurgery</i> , <b>2005</b> , 25, 442-51	2.1	82
183	Recognition of the N-terminal modules of thrombospondin-1 and thrombospondin-2 by alpha6beta1 integrin. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 40679-87	5.4	81
182	Thrombospondin-1 inhibits TCR-mediated T lymphocyte early activation. <i>Journal of Immunology</i> , <b>2001</b> , 166, 2427-36	5.3	81
181	Blocking thrombospondin-1/CD47 signaling alleviates deleterious effects of aging on tissue responses to ischemia. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2007</b> , 27, 2582-8	9.4	78
180	Heme oxygenase in <i>Candida albicans</i> is regulated by hemoglobin and is necessary for metabolism of exogenous heme and hemoglobin to alpha-biliverdin. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 3426-33	5.4	78
179	Angiogenesis inhibitors target the endothelial cell cytoskeleton through altered regulation of heat shock protein 27 and cofilin. <i>Cancer Research</i> , <b>2003</b> , 63, 6405-12	10.1	78
178	Endoplasmic Reticulum Stress Protein GRP78 Modulates Lipid Metabolism to Control Drug Sensitivity and Antitumor Immunity in Breast Cancer. <i>Cancer Research</i> , <b>2016</b> , 76, 5657-5670	10.1	74
177	Identification of heat shock protein 60 as a molecular mediator of alpha 3 beta 1 integrin activation. <i>Cancer Research</i> , <b>2002</b> , 62, 1541-8	10.1	74
176	Blockade of thrombospondin-1-CD47 interactions prevents necrosis of full thickness skin grafts. <i>Annals of Surgery</i> , <b>2008</b> , 247, 180-90	7.8	72
175	CD47 signaling regulates the immunosuppressive activity of VEGF in T cells. <i>Journal of Immunology</i> , <b>2014</b> , 193, 3914-24	5.3	71
174	Isolation of laminin by affinity chromatography on immobilized <i>Griffonia simplicifolia</i> I lectin. <i>FEBS Letters</i> , <b>1982</b> , 142, 194-198	3.8	71
173	CD47 deficiency confers cell and tissue radioprotection by activation of autophagy. <i>Autophagy</i> , <b>2012</b> , 8, 1628-42	10.2	69
172	Regulation of integrin function by CD47 ligands. Differential effects on alpha vbeta 3 and alpha 4beta1 integrin-mediated adhesion. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 42859-66	5.4	67
171	Identification of novel beta1 integrin binding sites in the type 1 and type 2 repeats of thrombospondin-1. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 41734-43	5.4	66
170	Treatment of liver ischemia-reperfusion injury by limiting thrombospondin-1/CD47 signaling. <i>Surgery</i> , <b>2008</b> , 144, 752-61	3.6	65

169	Thrombospondin-1 and CD47 limit cell and tissue survival of radiation injury. <i>American Journal of Pathology</i> , <b>2008</b> , 173, 1100-12	5.8	65
168	Identification of an alpha(3)beta(1) integrin recognition sequence in thrombospondin-1. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 24080-6	5.4	65
167	A function-blocking CD47 antibody suppresses stem cell and EGF signaling in triple-negative breast cancer. <i>Oncotarget</i> , <b>2016</b> , 7, 10133-52	3.3	64
166	Modulation of angiogenesis by dithiolethione-modified NSAIDs and valproic acid. <i>British Journal of Pharmacology</i> , <b>2007</b> , 151, 142-151	8.6	63
165	Heparan sulfate modification of the transmembrane receptor CD47 is necessary for inhibition of T cell receptor signaling by thrombospondin-1. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 14991-5002	5.4	62
164	Antiproliferative and antitumor activities of D-reverse peptides derived from the second type-1 repeat of thrombospondin-1. <i>Chemical Biology and Drug Design</i> , <b>1997</b> , 50, 210-21		58
163	Positive feedback between vascular endothelial growth factor-A and autotaxin in ovarian cancer cells. <i>Molecular Cancer Research</i> , <b>2008</b> , 6, 352-63	6.6	58
162	Inhibition of fibronectin binding and fibronectin-mediated cell adhesion to collagen by a peptide from the second type I repeat of thrombospondin. <i>Journal of Cell Biology</i> , <b>1993</b> , 121, 469-77	7.3	57
161	Autotaxin signaling via lysophosphatidic acid receptors contributes to vascular endothelial growth factor-induced endothelial cell migration. <i>Molecular Cancer Research</i> , <b>2010</b> , 8, 309-21	6.6	51
160	Thrombospondin-1/CD47 blockade following ischemia-reperfusion injury is tissue protective. <i>Plastic and Reconstructive Surgery</i> , <b>2009</b> , 124, 1880-1889	2.7	51
159	Binding of hydrophobic ligands to plant lectins: titration with arylaminonaphthalenesulfonates. <i>Archives of Biochemistry and Biophysics</i> , <b>1983</b> , 224, 479-84	4.1	51
158	Blockade of CD47 increases survival of mice exposed to lethal total body irradiation. <i>Scientific Reports</i> , <b>2013</b> , 3, 1038	4.9	50
157	Nitric oxide and its gatekeeper thrombospondin-1 in tumor angiogenesis. <i>Clinical Cancer Research</i> , <b>2007</b> , 13, 795-8	12.9	50
156	Endogenous thrombospondin-1 is not necessary for proliferation but is permissive for vascular smooth muscle cell responses to platelet-derived growth factor. <i>Matrix Biology</i> , <b>2005</b> , 24, 110-23	11.4	50
155	Cooperation between thrombospondin-1 type 1 repeat peptides and alpha(v)beta(3) integrin ligands to promote melanoma cell spreading and focal adhesion kinase phosphorylation. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 22755-62	5.4	50
154	Gene silencing of CD47 and antibody ligation of thrombospondin-1 enhance ischemic tissue survival in a porcine model: implications for human disease. <i>Annals of Surgery</i> , <b>2008</b> , 247, 860-8	7.8	49
153	Age-dependent regulation of skeletal muscle mitochondria by the thrombospondin-1 receptor CD47. <i>Matrix Biology</i> , <b>2011</b> , 30, 154-61	11.4	48
152	Tumour cell thrombospondin-1 regulates tumour cell adhesion and invasion through the urokinase plasminogen activator receptor. <i>British Journal of Cancer</i> , <b>2000</b> , 83, 298-306	8.7	47

151	Therapeutic opportunities for targeting the ubiquitous cell surface receptor CD47. <i>Expert Opinion on Therapeutic Targets</i> , <b>2013</b> , 17, 89-103	6.4	46
150	CD47 Receptor Globally Regulates Metabolic Pathways That Control Resistance to Ionizing Radiation. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 24858-74	5.4	45
149	Mitochondria directly donate their membrane to form autophagosomes during a novel mechanism of parkin-associated mitophagy. <i>Cell and Bioscience</i> , <b>2014</b> , 4, 16	9.8	45
148	Thrombospondin-1 is a CD47-dependent endogenous inhibitor of hydrogen sulfide signaling in T cell activation. <i>Matrix Biology</i> , <b>2013</b> , 32, 316-24	11.4	44
147	Versican-thrombospondin-1 binding in vitro and colocalization in microfibrils induced by inflammation on vascular smooth muscle cells. <i>Journal of Cell Science</i> , <b>2006</b> , 119, 4499-509	5.3	44
146	Proteomic identification of new biomarkers and application in thyroid cytology. <i>Acta Cytologica</i> , <b>2006</b> , 50, 518-28	3	44
145	Sensing the host environment: recognition of hemoglobin by the pathogenic yeast <i>Candida albicans</i> . <i>Archives of Biochemistry and Biophysics</i> , <b>2004</b> , 426, 148-56	4.1	44
144	Thrombospondin-1 inhibition of vascular smooth muscle cell responses occurs via modulation of both cAMP and cGMP. <i>Pharmacological Research</i> , <b>2011</b> , 63, 13-22	10.2	43
143	Secreted Thrombospondin-1 Regulates Macrophage Interleukin-1 $\beta$ Production and Activation through CD47. <i>Scientific Reports</i> , <b>2016</b> , 6, 19684	4.9	42
142	Characterization of the adenine binding sites of two <i>Dolichos biflorus</i> lectins. <i>Biochemistry</i> , <b>1992</b> , 31, 6938-42	3.2	42
141	Thrombospondin-1 is an inhibitor of pharmacological activation of soluble guanylate cyclase. <i>British Journal of Pharmacology</i> , <b>2010</b> , 159, 1542-7	8.6	41
140	Amyloid- $\beta$ inhibits NO-cGMP signaling in a CD36- and CD47-dependent manner. <i>PLoS ONE</i> , <b>2010</b> , 5, e15686	5.7	39
139	Thrombospondin-1 and CD47 signaling regulate healing of thermal injury in mice. <i>Matrix Biology</i> , <b>2014</b> , 37, 25-34	11.4	38
138	Dithiolethione compounds inhibit Akt signaling in human breast and lung cancer cells by increasing PP2A activity. <i>Oncogene</i> , <b>2009</b> , 28, 3837-46	9.2	38
137	CD47: a new target in cardiovascular therapy. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2008</b> , 28, 615-21	9.4	38
136	Enhanced gene expression in breast cancer cells in vitro and tumors in vivo. <i>Molecular Therapy</i> , <b>2002</b> , 6, 783-92	11.7	38
135	NOS Inhibition Modulates Immune Polarization and Improves Radiation-Induced Tumor Growth Delay. <i>Cancer Research</i> , <b>2015</b> , 75, 2788-99	10.1	37
134	Efficient gene targeting in mouse embryonic stem cells. <i>Gene Therapy</i> , <b>1997</b> , 4, 700-9	4	37

133	Sulfatide-binding proteins. <i>Chemistry and Physics of Lipids</i> , <b>1986</b> , 42, 173-83	3.7	36
132	Hemoglobin regulates expression of an activator of mating-type locus alpha genes in <i>Candida albicans</i> . <i>Eukaryotic Cell</i> , <b>2004</b> , 3, 764-75		35
131	Purification of thrombospondin from human platelets. <i>Cytotechnology</i> , <b>1994</b> , 16, 217-222		35
130	Thrombospondin 1 and vasoactive agents indirectly alter tumor blood flow. <i>Neoplasia</i> , <b>2008</b> , 10, 886-96	6.4	34
129	Silencing of directional migration in roundabout4 knockdown endothelial cells. <i>BMC Cell Biology</i> , <b>2008</b> , 9, 61		34
128	Type I collagen is a molecular target for inhibition of angiogenesis by endogenous thrombospondin-1. <i>Oncogene</i> , <b>2006</b> , 25, 536-45	9.2	34
127	Combination of anthracyclines and anti-CD47 therapy inhibit invasive breast cancer growth while preventing cardiac toxicity by regulation of autophagy. <i>Breast Cancer Research and Treatment</i> , <b>2018</b> , 172, 69-82	4.4	33
126	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-alpha-trypsin inhibitor. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 30899-908	5.4	33
125	Treatment of experimental brain tumors with thrombospondin-1 derived peptides: an in vivo imaging study. <i>Neoplasia</i> , <b>1999</b> , 1, 438-45	6.4	33
124	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. <i>Archives of Biochemistry and Biophysics</i> , <b>2011</b> , 509, 147-56	4.1	32
123	TSG-6 binds via its CUB_C domain to the cell-binding domain of fibronectin and increases fibronectin matrix assembly. <i>Matrix Biology</i> , <b>2008</b> , 27, 201-10	11.4	32
122	Early genetic mechanisms underlying the inhibitory effects of endostatin and fumagillin on human endothelial cells. <i>Genome Research</i> , <b>2004</b> , 14, 1585-93	9.7	32
121	Hemoglobin induces binding of several extracellular matrix proteins to <i>Candida albicans</i> . Identification of a common receptor for fibronectin, fibrinogen, and laminin. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 5638-44	5.4	32
120	Evolutionary aspects of urea utilization by fungi. <i>FEMS Yeast Research</i> , <b>2010</b> , 10, 209-213	3.1	31
119	Dithiolethione modified valproate and diclofenac increase E-cadherin expression and decrease proliferation of non-small cell lung cancer cells. <i>Lung Cancer</i> , <b>2010</b> , 68, 154-60	5.9	31
118	Activated CD47 regulates multiple vascular and stress responses: implications for acute kidney injury and its management. <i>American Journal of Physiology - Renal Physiology</i> , <b>2012</b> , 303, F1117-25	4.3	31
117	Structural study of the sugar chains of human platelet thrombospondin. <i>Archives of Biochemistry and Biophysics</i> , <b>1989</b> , 270, 302-12	4.1	31
116	<i>Candida albicans</i> heme oxygenase and its product CO contribute to pathogenesis of candidemia and alter systemic chemokine and cytokine expression. <i>Free Radical Biology and Medicine</i> , <b>2010</b> , 49, 1561-73	7.8	30



115	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. <i>Biochemical Pharmacology</i> , <b>2008</b> , 75, 875-82	6	30
114	Tipping off endothelial tubes: nitric oxide drives tip cells. <i>Angiogenesis</i> , <b>2015</b> , 18, 175-89	10.6	29
113	Natural Killer Cell Recruitment and Activation Are Regulated by CD47 Expression in the Tumor Microenvironment. <i>Cancer Immunology Research</i> , <b>2019</b> , 7, 1547-1561	12.5	29
112	Thiolutin inhibits endothelial cell adhesion by perturbing Hsp27 interactions with components of the actin and intermediate filament cytoskeleton. <i>Cell Stress and Chaperones</i> , <b>2010</b> , 15, 165-81	4	28
111	Specificities of heparin-binding sites from the amino-terminus and type 1 repeats of thrombospondin-1. <i>Archives of Biochemistry and Biophysics</i> , <b>2000</b> , 374, 13-23	4.1	27
110	CD47 Expression in Natural Killer Cells Regulates Homeostasis and Modulates Immune Response to Lymphocytic Choriomeningitis Virus. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 2985	8.4	27
109	Novel integrin antagonists derived from thrombospondins. <i>Current Pharmaceutical Design</i> , <b>2005</b> , 11, 849-66	3.3	26
108	Emerging functions of matricellular proteins. <i>Cellular and Molecular Life Sciences</i> , <b>2011</b> , 68, 3133-6	10.3	25
107	Novel dithiolethione-modified nonsteroidal anti-inflammatory drugs in human hepatoma HepG2 and colon LS180 cells. <i>Clinical Cancer Research</i> , <b>2009</b> , 15, 1964-72	12.9	25
106	Endothelial monocyte activating polypeptide-II induced gene expression changes in endothelial cells. <i>Cytokine</i> , <b>2005</b> , 30, 347-58	4	25
105	The activation of metabolites of nitric oxide synthase by metals is both redox and oxygen dependent: a new feature of nitrogen oxide signaling. <i>Antioxidants and Redox Signaling</i> , <b>2006</b> , 8, 1363-71	8.4	25
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