

Edward M Conway

List of Publications by Year in descending order

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119
papers

10,363
citations

47006

47
h-index

32842

100
g-index

121
all docs

121
docs citations

121
times ranked

13643
citing authors

#	ARTICLE	IF	CITATIONS
1	Relative Role of Genetic Complement Abnormalities in Sporadic and Familial aHUS and Their Impact on Clinical Phenotype. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2010, 5, 1844-1859.	4.5	818
2	Molecular mechanisms of blood vessel growth. <i>Cardiovascular Research</i> , 2001, 49, 507-521.	3.8	813
3	Role of PlGF in the intra- and intermolecular cross talk between the VEGF receptors Flt1 and Flk1. <i>Nature Medicine</i> , 2003, 9, 936-943.	30.7	699
4	Thrombomodulin Mutations in Atypical Hemolytic-Uremic Syndrome. <i>New England Journal of Medicine</i> , 2009, 361, 345-357.	27.0	495
5	Treatment of motoneuron degeneration by intracerebroventricular delivery of VEGF in a rat model of ALS. <i>Nature Neuroscience</i> , 2005, 8, 85-92.	14.8	464
6	Cross Talk Pathways Between Coagulation and Inflammation. <i>Circulation Research</i> , 2016, 118, 1392-1408.	4.5	418
7	Thrombomodulin-Protein C-EPCR System. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004, 24, 1374-1383.	2.4	327
8	The Lectin-like Domain of Thrombomodulin Confers Protection from Neutrophil-mediated Tissue Damage by Suppressing Adhesion Molecule Expression via Nuclear Factor κ B and Mitogen-activated Protein Kinase Pathways. <i>Journal of Experimental Medicine</i> , 2002, 196, 565-577.	8.5	325
9	Antibacterial activity, inflammatory response, coagulation and cytotoxicity effects of silver nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 328-336.	3.3	254
10	Coagulation and innate immune responses: can we view them separately?. <i>Blood</i> , 2009, 114, 2367-2374.	1.4	252
11	Thrombomodulin and its role in inflammation. <i>Seminars in Immunopathology</i> , 2012, 34, 107-125.	6.1	249
12	A genetic <i>Xenopus laevis</i> tadpole model to study lymphangiogenesis. <i>Nature Medicine</i> , 2005, 11, 998-1004.	30.7	212
13	Role of Gas6 receptors in platelet signaling during thrombus stabilization and implications for antithrombotic therapy. <i>Journal of Clinical Investigation</i> , 2005, 115, 237-246.	8.2	210
14	Inflammation-associated Cell Cycle-independent Block of Apoptosis by Survivin in Terminally Differentiated Neutrophils. <i>Journal of Experimental Medicine</i> , 2004, 199, 1343-1354.	8.5	176
15	Survivin splice variants regulate the balance between proliferation and cell death. <i>Oncogene</i> , 2005, 24, 1994-2007.	5.9	176
16	Three differentially expressed survivin cDNA variants encode proteins with distinct antiapoptotic functions. <i>Blood</i> , 2000, 95, 1435-1442.	1.4	166
17	Thrombin generates previously unidentified C5 products that support the terminal complement activation pathway. <i>Blood</i> , 2012, 120, 1717-1725.	1.4	164
18	Tumor necrosis factor enhances expression of tissue factor mRNA in endothelial cells. <i>Thrombosis Research</i> , 1989, 53, 231-241.	1.7	155

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19	Essential Role of Survivin, an Inhibitor of Apoptosis Protein, in T Cell Development, Maturation, and Homeostasis. <i>Journal of Experimental Medicine</i> , 2004, 199, 69-80.	8.5	151
20	Exploring traditional and nontraditional roles for thrombomodulin. <i>Blood</i> , 2018, 132, 148-158.	1.4	149
21	Small-molecule inhibition of CBP/catenin interactions eliminates drug-resistant clones in acute lymphoblastic leukemia. <i>Oncogene</i> , 2014, 33, 2169-2178.	5.9	144
22	Characterization of a Mouse Model for Thrombomodulin Deficiency. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001, 21, 1531-1537.	2.4	138
23	The association of ABO blood group with indices of disease severity and multiorgan dysfunction in COVID-19. <i>Blood Advances</i> , 2020, 4, 4981-4989.	5.2	128
24	The lectin-like domain of thrombomodulin interferes with complement activation and protects against arthritis. <i>Journal of Thrombosis and Haemostasis</i> , 2006, 4, 1813-1824.	3.8	125
25	Complement Activation in Arterial and Venous Thrombosis is Mediated by Plasmin. <i>EBioMedicine</i> , 2016, 5, 175-182.	6.1	117
26	Essential Role for Survivin in Early Brain Development. <i>Journal of Neuroscience</i> , 2005, 25, 6962-6970.	3.6	116
27	Survivin Determines Cardiac Function by Controlling Total Cardiomyocyte Number. <i>Circulation</i> , 2008, 117, 1583-1593.	1.6	105
28	Targeting survivin overcomes drug resistance in acute lymphoblastic leukemia. <i>Blood</i> , 2011, 118, 2191-2199.	1.4	102
29	Macrophage Matrix Metalloproteinase-12 Dampens Inflammation and Neutrophil Influx in Arthritis. <i>Cell Reports</i> , 2014, 9, 618-632.	6.4	93
30	Survivin-Dependent Angiogenesis in Ischemic Brain. <i>American Journal of Pathology</i> , 2003, 163, 935-946.	3.8	88
31	Survivin Mediates Renal Proximal Tubule Recovery from AKI. <i>Journal of the American Society of Nephrology: JASN</i> , 2013, 24, 2023-2033.	6.1	88
32	Deficiency of survivin in transgenic mice exacerbates Fas-induced apoptosis via mitochondrial pathways. <i>Gastroenterology</i> , 2002, 123, 619-631.	1.3	86
33	Role of Gas6 in erythropoiesis and anemia in mice. <i>Journal of Clinical Investigation</i> , 2008, 118, 583-96.	8.2	84
34	Heat Shock-sensitive Expression of Calreticulin.. <i>Journal of Biological Chemistry</i> , 1995, 270, 17011-17016.	3.4	73
35	Novel functions of thrombomodulin in inflammation. <i>Critical Care Medicine</i> , 2004, 32, S254-S261.	0.9	72
36	Growing better blood vessels. <i>Nature Biotechnology</i> , 2001, 19, 1019-1020.	17.5	71

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37	Lack of endothelial cell survivin causes embryonic defects in angiogenesis, cardiogenesis, and neural tube closure. <i>Blood</i> , 2007, 109, 4742-4752.	1.4	71
38	Modulation of Complement Activation and Amplification on Nanoparticle Surfaces by Glycopolymer Conformation and Chemistry. <i>ACS Nano</i> , 2014, 8, 7687-7703.	14.6	69
39	Thrombomodulin is a determinant of metastasis through a mechanism linked to the thrombin binding domain but not the lectin-like domain. <i>Blood</i> , 2011, 118, 2889-2895.	1.4	68
40	Lymph makes you fat. <i>Nature Genetics</i> , 2005, 37, 1023-1024.	21.4	63
41	CD248 and its cytoplasmic domain: A therapeutic target for arthritis. <i>Arthritis and Rheumatism</i> , 2010, 62, 3595-3606.	6.7	60
42	Polyphosphate is a novel cofactor for regulation of complement by a serpin, C1 inhibitor. <i>Blood</i> , 2016, 128, 1766-1776.	1.4	59
43	Polyphosphate/platelet factor 4 complexes can mediate heparin-independent platelet activation in heparin-induced thrombocytopenia. <i>Blood Advances</i> , 2016, 1, 62-74.	5.2	58
44	Complement-coagulation connections. <i>Blood Coagulation and Fibrinolysis</i> , 2018, 29, 243-251.	1.0	56
45	Polyphosphate suppresses complement via the terminal pathway. <i>Blood</i> , 2014, 123, 768-776.	1.4	53
46	HiFi SELEX: A high-fidelity digital-PCR based therapeutic aptamer discovery platform. <i>Biotechnology and Bioengineering</i> , 2015, 112, 1506-1522.	3.3	53
47	Is the COVID-19 thrombotic catastrophe complement-connected?. <i>Journal of Thrombosis and Haemostasis</i> , 2020, 18, 2812-2822.	3.8	53
48	CD248 facilitates tumor growth via its cytoplasmic domain. <i>BMC Cancer</i> , 2011, 11, 162.	2.6	51
49	The lectin-like domain of thrombomodulin ameliorates diabetic glomerulopathy via complement inhibition. <i>Thrombosis and Haemostasis</i> , 2012, 108, 1141-1153.	3.4	50
50	Design of novel artemisinin-like derivatives with cytotoxic and anti-angiogenic properties. <i>Journal of Cellular and Molecular Medicine</i> , 2011, 15, 1122-1135.	3.6	49
51	Thrombomodulin's lectin-like domain reduces myocardial damage by interfering with HMGB1-mediated TLR2 signalling. <i>Cardiovascular Research</i> , 2014, 101, 400-410.	3.8	49
52	The diversity of endothelial cells: a challenge for therapeutic angiogenesis. <i>Genome Biology</i> , 2004, 5, 207.	9.6	48
53	Tissue factor gene expression in acute myeloblastic leukemia. <i>Thrombosis Research</i> , 1989, 56, 425-430.	1.7	44
54	The Amino Terminal Lectin-Like Domain of Thrombomodulin Is Required for Constitutive Endocytosis. <i>Blood</i> , 1997, 89, 652-661.	1.4	44

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55	Survivin mediates aberrant hematopoietic progenitor cell proliferation and acute leukemia in mice induced by internal tandem duplication of Flt3. <i>Blood</i> , 2009, 114, 394-403.	1.4	44
56	Inhibition of Allergic Bronchial Asthma by Thrombomodulin Is Mediated by Dendritic Cells. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 183, 31-42.	5.6	44
57	CD248: Reviewing its Role in Health and Disease. <i>Current Drug Targets</i> , 2012, 13, 432-439.	2.1	42
58	Interplay between fibrinolysis and complement: plasmin cleavage of iC3b modulates immune responses. <i>Journal of Thrombosis and Haemostasis</i> , 2015, 13, 610-618.	3.8	41
59	Role of the 2 zebrafish survivin genes in vasculo-angiogenesis, neurogenesis, cardiogenesis and hematopoiesis. <i>BMC Developmental Biology</i> , 2009, 9, 25.	2.1	40
60	Structure-Function Analyses of Thrombomodulin by Gene-Targeting in Mice: The Cytoplasmic Domain Is Not Required for Normal Fetal Development. <i>Blood</i> , 1999, 93, 3442-3450.	1.4	39
61	Protective role of the inhibitor of apoptosis protein, survivin, in toxin-induced acute renal failure. <i>FASEB Journal</i> , 2008, 22, 510-521.	0.5	38
62	Brain Hypoxia Is Associated With Neuroglial Injury in Humans Post-Cardiac Arrest. <i>Circulation Research</i> , 2021, 129, 583-597.	4.5	37
63	Lack of the Lectin-like Domain of Thrombomodulin Worsens Shiga Toxin-Associated Hemolytic Uremic Syndrome in Mice. <i>Journal of Immunology</i> , 2012, 189, 3661-3668.	0.8	35
64	Alteration of blood clotting and lung damage by protamine are avoided using the heparin and polyphosphate inhibitor UHRA. <i>Blood</i> , 2017, 129, 1368-1379.	1.4	32
65	Another angiogenic gene linked to amyotrophic lateral sclerosis. <i>Trends in Molecular Medicine</i> , 2006, 12, 345-347.	6.7	30
66	HUS and the case for complement. <i>Blood</i> , 2015, 126, 2085-2090.	1.4	30
67	Hepatocellular carcinoma repression by TNF-mediated synergistic lethal effect of mitosis defect-induced senescence and cell death sensitization. <i>Hepatology</i> , 2016, 64, 1105-1120.	7.3	30
68	Platelets and Complement Cross-Talk in Early Atherogenesis. <i>Frontiers in Cardiovascular Medicine</i> , 2019, 6, 131.	2.4	29
69	Specific loss of adipocyte CD248 improves metabolic health via reduced white adipose tissue hypoxia, fibrosis and inflammation. <i>EBioMedicine</i> , 2019, 44, 489-501.	6.1	29
70	An ultrastructural study of thrombomodulin endocytosis: Internalization occurs via clathrin-coated and non-coated pits. <i>Journal of Cellular Physiology</i> , 1992, 151, 604-612.	4.1	27
71	The lectin-like domain of thrombomodulin protects against ischaemia-reperfusion lung injury. <i>European Respiratory Journal</i> , 2008, 32, 862-870.	6.7	26
72	Regulation of calcium binding proteins calreticulin and calsequestrin during differentiation in the myogenic cell line L6. <i>Journal of Cellular Physiology</i> , 1996, 166, 547-560.	4.1	25

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73	Thrombomodulin lacking the cytoplasmic domain efficiently internalizes thrombin via nonclathrin-coated, pit-mediated endocytosis. <i>Journal of Cellular Physiology</i> , 1994, 158, 285-298.	4.1	23
74	Hepatic loss of survivin impairs postnatal liver development and promotes expansion of hepatic progenitor cells in mice. <i>Hepatology</i> , 2013, 58, 2109-2121.	7.3	21
75	Impaired neurogenesis, learning and memory and low seizure threshold associated with loss of neural precursor cell survivin. <i>BMC Neuroscience</i> , 2010, 11, 2.	1.9	20
76	Survivin Selectively Modulates Genes Deregulated in Human Leukemia Stem Cells. <i>Journal of Oncology</i> , 2011, 2011, 1-14.	1.3	20
77	Persistently elevated complement alternative pathway biomarkers in COVID-19 correlate with hypoxemia and predict in-hospital mortality. <i>Medical Microbiology and Immunology</i> , 2022, 211, 37-48.	4.8	20
78	Loss of Survivin influences liver regeneration and is associated with impaired Aurora B function. <i>Cell Death and Differentiation</i> , 2013, 20, 834-844.	11.2	19
79	VEGF inhibitors make blood. <i>Nature Medicine</i> , 2006, 12, 732-734.	30.7	18
80	Essential Role for Survivin in the Proliferative Expansion of Progenitor and Mature B Cells. <i>Journal of Immunology</i> , 2016, 196, 2195-2204.	0.8	17
81	Biomaterial and cellular implants: foreign surfaces where immunity and coagulation meet. <i>Blood</i> , 2022, 139, 1987-1998.	1.4	17
82	Sustained depletion of FXIII-A by inducing acquired FXIII-B deficiency. <i>Blood</i> , 2020, 136, 2946-2954.	1.4	17
83	A novel 2-stage approach that detects complement activation in patients with antiphospholipid antibody syndrome. <i>Thrombosis Research</i> , 2017, 156, 119-125.	1.7	16
84	Angiogenesis: A link to Thrombosis in Athero-thrombotic Disease. <i>Pathophysiology of Haemostasis and Thrombosis: International Journal on Haemostasis and Thrombosis Research</i> , 2003, 33, 241-248.	0.3	14
85	Loss of Survivin in the Prostate Epithelium Impedes Carcinogenesis in a Mouse Model of Prostate Adenocarcinoma. <i>PLoS ONE</i> , 2013, 8, e69484.	2.5	14
86	The Structural Basis for Complement Inhibition by Gigastasin, a Protease Inhibitor from the Giant Amazon Leech. <i>Journal of Immunology</i> , 2017, 199, 3883-3891.	0.8	14
87	Thrombin: Coagulation's master regulator of innate immunity. <i>Journal of Thrombosis and Haemostasis</i> , 2019, 17, 1785-1789.	3.8	14
88	TGF β ² -mediated suppression of CD248 in non-cancer cells via canonical Smad-dependent signaling pathways is uncoupled in cancer cells. <i>BMC Cancer</i> , 2014, 14, 113.	2.6	13
89	Anticoagulant active heparin-like molecules from cultured fibroblasts. <i>Experimental Cell Research</i> , 1986, 166, 253-258.	2.6	12
90	Polyphosphates and Complement Activation. <i>Frontiers in Medicine</i> , 2019, 6, 67.	2.6	11

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91	Recombinant thrombomodulin domain 1 rescues pathological angiogenesis by inhibition of HIF-1 α -VEGF pathway. Cellular and Molecular Life Sciences, 2021, 78, 7681-7692.	5.4	11
92	Plasmodium Falciparum-infected Erythrocytes: A Mutational Analysis of Cytoadherence via Murine Thrombomodulin. Thrombosis and Haemostasis, 1999, 81, 815-821.	3.4	10
93	Loss of survivin in neural precursor cells results in impaired long-term potentiation in the dentate gyrus and CA1-region. Neuroscience, 2013, 231, 413-419.	2.3	10
94	Gas6 gains entry into the coagulation cascade. Blood, 2013, 121, 570-571.	1.4	10
95	An improved in vitro model for studying the structural and functional properties of the endothelial glycocalyx in arteries, capillaries and veins. FASEB Journal, 2021, 35, e21643.	0.5	10
96	An Unanticipated Role for Survivin in Organ Transplant Damage. American Journal of Transplantation, 2014, 14, 1046-1060.	4.7	9
97	Mice Lacking the Lectin-Like Domain of Thrombomodulin Are Protected Against Melioidosis. Critical Care Medicine, 2014, 42, e221-e230.	0.9	9
98	The lectin like domain of thrombomodulin is involved in the defence against pyelonephritis. Thrombosis Research, 2015, 136, 1325-1331.	1.7	9
99	The lectin-like domain of thrombomodulin hampers host defence in pneumococcal pneumonia. European Respiratory Journal, 2013, 41, 935-942.	6.7	8
100	Thrombomodulin Functional Domains Support Osteoblast Differentiation and Bone Healing in Diabetes in Mice. Journal of Bone and Mineral Research, 2020, 35, 1812-1823.	2.8	8
101	Signalling silenced. Nature, 2003, 425, 139-140.	27.8	7
102	CD248 enhances tissue factor procoagulant function, promoting arterial and venous thrombosis in mouse models. Journal of Thrombosis and Haemostasis, 2021, 19, 1932-1947.	3.8	7
103	VEGF-Induced Endothelial Podosomes via ROCK2-Dependent Thrombomodulin Expression Initiate Sprouting Angiogenesis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 1657-1671.	2.4	7
104	Diagnosis of Western Red Cedar Asthma Using a Blood-based Gene Expression Biomarker Panel. American Journal of Respiratory and Critical Care Medicine, 2017, 196, 1615-1617.	5.6	6
105	Evaluation of the Anti-angiogenic Activity of Saponins from <i>Maesa lanceolata</i> by Different Assays. Natural Product Communications, 2012, 7, 1934578X1200700.	0.5	5
106	Advances in Clinical and Basic Science of Coagulation: Illustrated abstracts of the 9th Chapel Hill Symposium on Hemostasis. Research and Practice in Thrombosis and Haemostasis, 2018, 2, 407-428.	2.3	5
107	Editorial [Hot Topic: The Type XIV Family of C-type Lectin-like Domain (CTLD) Containing Proteins (Guest) Tj ETQq1_1.0.784314 rgBT / D	2.1	3
108	A Nuclear Attack on Thrombosis and Inflammation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 221-223.	2.4	3

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109	Super factor B-gets atypical HUS. Blood, 2009, 114, 2572-2574.	1.4	2
110	New specs for arteriovenous identity. Blood, 2013, 122, 3857-3858.	1.4	2
111	The thrombomodulin lectin-like domain does not change host responses to tuberculosis. Thrombosis and Haemostasis, 2014, 111, 345-353.	3.4	1
112	Survivin Regulates Aberrant Proliferation of Hematopoietic Progenitor Cells with Self Renewal Capability and Development of Acute Leukemia Induced by Internal-Tandem-Duplication of Flt3.. Blood, 2007, 110, 599-599.	1.4	1
113	Absence of the lectin-like domain of thrombomodulin reduces HSV-1 lethality of mice with increased microglia responses. Journal of Neuroinflammation, 2022, 19, 66.	7.2	1
114	A CLEVER molecule that regulates lymphocyte trafficking. Blood, 2004, 104, 3840-3841.	1.4	0
115	Thrombomodulin. , 0, , 939-946.		0
116	Protein C. , 2007, , 973-981.		0
117	The Clock Is Ticking as the Clot Thickens. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 2361-2363.	2.4	0
118	TGF β -Mediated Suppression of CD248 in Non-Cancer Cells via Canonical SMAD-Dependent Signaling Pathways is Uncoupled in Cancer Cells. , 2014, , 1-26.		0
119	Sweeteners for factor H. Blood, 2016, 127, 2656-2658.	1.4	0