

# Daniel A Lawrence

## List of Publications by Citations

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150  
papers

9,356  
citations

54  
h-index

92  
g-index

164  
ext. papers

10,070  
ext. citations

8.4  
avg, IF

5.65  
L-index

#	Paper	IF	Citations
150	The serpin PAI-1 inhibits cell migration by blocking integrin alpha V beta 3 binding to vitronectin. <i>Nature</i> , <b>1996</b> , 383, 441-3	50.4	591
149	Tissue-type plasminogen activator induces opening of the blood-brain barrier via the LDL receptor-related protein. <i>Journal of Clinical Investigation</i> , <b>2003</b> , 112, 1533-1540	15.9	371
148	Activation of PDGF-CC by tissue plasminogen activator impairs blood-brain barrier integrity during ischemic stroke. <i>Nature Medicine</i> , <b>2008</b> , 14, 731-7	50.5	343
147	Cloning and sequence of a cDNA coding for the human beta-migrating endothelial-cell-type plasminogen activator inhibitor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1986</b> , 83, 6776-80	11.5	328
146	Familial dementia caused by polymerization of mutant neuroserpin. <i>Nature</i> , <b>1999</b> , 401, 376-9	50.4	306
145	Tissue-type plasminogen activator induces opening of the blood-brain barrier via the LDL receptor-related protein. <i>Journal of Clinical Investigation</i> , <b>2003</b> , 112, 1533-40	15.9	237
144	Neuroserpin reduces cerebral infarct volume and protects neurons from ischemia-induced apoptosis. <i>Blood</i> , <b>2000</b> , 96, 569-576	2.2	229
143	Serpin-protease complexes are trapped as stable acyl-enzyme intermediates. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 25309-12	5.4	199
142	Platelet-derived growth factor (PDGF)-induced tyrosine phosphorylation of the low density lipoprotein receptor-related protein (LRP). Evidence for integrated co-receptor function between LRP and the PDGF. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 15499-506	5.4	197
141	Plasminogen activator inhibitor-1 regulates tumor growth and angiogenesis. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 33964-8	5.4	196
140	Neuroserpin, a brain-associated inhibitor of tissue plasminogen activator is localized primarily in neurons. Implications for the regulation of motor learning and neuronal survival. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 33062-7	5.4	168
139	Reverse fibrin autography: a method to detect and partially characterize protease inhibitors after sodium dodecyl sulfate--polyacrylamide gel electrophoresis. <i>Analytical Biochemistry</i> , <b>1984</b> , 137, 454-63	3.1	147
138	Activated protein C stimulates the fibrinolytic activity of cultured endothelial cells and decreases antiactivator activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1985</b> , 82, 1121-5	11.5	147
137	Endocytic receptor LRP together with tPA and PAI-1 coordinates Mac-1-dependent macrophage migration. <i>EMBO Journal</i> , <b>2006</b> , 25, 1860-70	13	144
136	Tissue-type plasminogen activator-mediated shedding of astrocytic low-density lipoprotein receptor-related protein increases the permeability of the neurovascular unit. <i>Blood</i> , <b>2007</b> , 109, 3270-8	2.2	142
135	Plasminogen activator inhibitor-1 in tumor growth, angiogenesis and vascular remodeling. <i>Current Pharmaceutical Design</i> , <b>2003</b> , 9, 1545-64	3.3	142
134	The active conformation of plasminogen activator inhibitor 1, a target for drugs to control fibrinolysis and cell adhesion. <i>Structure</i> , <b>1999</b> , 7, 111-8	5.2	136

133	Inhibition of angiogenesis in vivo by plasminogen activator inhibitor-1. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 8135-41	5.4	133
132	Association between conformational mutations in neuroserpin and onset and severity of dementia. <i>Lancet, The</i> , <b>2002</b> , 359, 2242-7	4.0	126
131	The apoE isoform binding properties of the VLDL receptor reveal marked differences from LRP and the LDL receptor. <i>Journal of Lipid Research</i> , <b>2005</b> , 46, 1721-31	6.3	121
130	Inactivation of plasminogen activator inhibitor by oxidants. <i>Biochemistry</i> , <b>1986</b> , 25, 6351-5	3.2	118
129	Adjuvant treatment with neuroserpin increases the therapeutic window for tissue-type plasminogen activator administration in a rat model of embolic stroke. <i>Circulation</i> , <b>2002</b> , 106, 740-5	16.7	117
128	Visceral adipose tissue inflammation accelerates atherosclerosis in apolipoprotein E-deficient mice. <i>Circulation</i> , <b>2008</b> , 117, 798-805	16.7	107
127	A soluble Fn14-Fc decoy receptor reduces infarct volume in a murine model of cerebral ischemia. <i>American Journal of Pathology</i> , <b>2005</b> , 166, 511-20	5.8	106
126	A fluorescent probe study of plasminogen activator inhibitor-1. Evidence for reactive center loop insertion and its role in the inhibitory mechanism. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 5395-8	5.4	106
125	Familial encephalopathy with neuroserpin inclusion bodies. <i>American Journal of Pathology</i> , <b>1999</b> , 155, 1901-13	5.8	104
124	A mutant, noninhibitory plasminogen activator inhibitor type 1 decreases matrix accumulation in experimental glomerulonephritis. <i>Journal of Clinical Investigation</i> , <b>2003</b> , 112, 379-388	15.9	101
123	Plasminogen activator inhibitor-1 contains a cryptic high affinity binding site for the low density lipoprotein receptor-related protein. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 6358-66	5.4	99
122	Regulation of seizure spreading by neuroserpin and tissue-type plasminogen activator is plasminogen-independent. <i>Journal of Clinical Investigation</i> , <b>2002</b> , 109, 1571-1578	15.9	98
121	Molecular regulation of the PAI-1 gene by hypoxia: contributions of Egr-1, HIF-1alpha, and C/EBPalpha. <i>FASEB Journal</i> , <b>2007</b> , 21, 935-49	0.9	96
120	Characterization of the binding of different conformational forms of plasminogen activator inhibitor-1 to vitronectin. Implications for the regulation of pericellular proteolysis. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 7676-80	5.4	94
119	. <i>Nature</i> , <b>1999</b> , 401, 376-379	50.4	92
118	Self-regulation of inflammatory cell trafficking in mice by the leukocyte surface apyrase CD39. <i>Journal of Clinical Investigation</i> , <b>2009</b> , 119, 1136-49	15.9	89
117	A specific role of integrin Mac-1 in accelerated macrophage efflux to the lymphatics. <i>Blood</i> , <b>2005</b> , 106, 3234-41	2.2	88
116	Tissue-type plasminogen activator requires a co-receptor to enhance NMDA receptor function. <i>Journal of Neurochemistry</i> , <b>2008</b> , 107, 1091-101	6	87

115	Purification of active human plasminogen activator inhibitor 1 from <i>Escherichia coli</i> . Comparison with natural and recombinant forms purified from eucaryotic cells. <i>FEBS Journal</i> , <b>1989</b> , 186, 523-33		86
114	Proteomic analysis of the <i>Vibrio cholerae</i> type II secretome reveals new proteins, including three related serine proteases. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 16555-66	5.4	84
113	Partitioning of serpin-proteinase reactions between stable inhibition and substrate cleavage is regulated by the rate of serpin reactive center loop insertion into beta-sheet A. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 5839-44	5.4	83
112	Endothelial cells inhibit flow-induced smooth muscle cell migration: role of plasminogen activator inhibitor-1. <i>Circulation</i> , <b>2001</b> , 103, 597-603	16.7	81
111	Plasma tissue plasminogen activator and plasminogen activator inhibitor-1 in hospitalized COVID-19 patients. <i>Scientific Reports</i> , <b>2021</b> , 11, 1580	4.9	81
110	A PAI-1 mutant, PAI-1R, slows progression of diabetic nephropathy. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2008</b> , 19, 329-38	12.7	72
109	Mechanism of inactivation of plasminogen activator inhibitor-1 by a small molecule inhibitor. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 9288-96	5.4	72
108	Role of the catalytic serine in the interactions of serine proteinases with protein inhibitors of the serpin family. Contribution of a covalent interaction to the binding energy of serpin-proteinase complexes. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 30007-17	5.4	72
107	Impaired fibrinolysis in multiple sclerosis: a role for tissue plasminogen activator inhibitors. <i>Brain</i> , <b>2003</b> , 126, 1590-8	11.2	70
106	Tissue plasminogen activator and neuroserpin are widely expressed in the human central nervous system. <i>Thrombosis and Haemostasis</i> , <b>2004</b> , 92, 358-68	7	70
105	Neuroserpin: a selective inhibitor of tissue-type plasminogen activator in the central nervous system. <i>Thrombosis and Haemostasis</i> , <b>2004</b> , 91, 457-64	7	68
104	The tissue-type plasminogen activator-plasminogen activator inhibitor 1 complex promotes neurovascular injury in brain trauma: evidence from mice and humans. <i>Brain</i> , <b>2012</b> , 135, 3251-64	11.2	66
103	Effect of pharmacologic plasminogen activator inhibitor-1 inhibition on cell motility and tumor angiogenesis. <i>Journal of Thrombosis and Haemostasis</i> , <b>2006</b> , 4, 2710-5	15.4	61
102	Serpin conformational change in ovalbumin. Enhanced reactive center loop insertion through hinge region mutations. <i>Biochemistry</i> , <b>1997</b> , 36, 5432-40	3.2	60
101	The organization of the human-plasminogen-activator-inhibitor-1 gene. Implications on the evolution of the serine-protease inhibitor family. <i>FEBS Journal</i> , <b>1988</b> , 176, 609-16		60
100	The acid stabilization of plasminogen activator inhibitor-1 depends on protonation of a single group that affects loop insertion into beta-sheet A. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 27942-7	5.4	59
99	New functions for an old enzyme: nonhemostatic roles for tissue-type plasminogen activator in the central nervous system. <i>Experimental Biology and Medicine</i> , <b>2004</b> , 229, 1097-104	3.7	56
98	Neuroserpin mutation S52R causes neuroserpin accumulation in neurons and is associated with progressive myoclonus epilepsy. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2000</b> , 59, 1070-86	3.1	54

97	Type 1 plasminogen activator inhibitor binds to fibrin via vitronectin. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 19788-94	5.4	54
96	A mutant, noninhibitory plasminogen activator inhibitor type 1 decreases matrix accumulation in experimental glomerulonephritis. <i>Journal of Clinical Investigation</i> , <b>2003</b> , 112, 379-88	15.9	53
95	Plasminogen activator inhibitor-1 and vitronectin promote the cellular clearance of thrombin by low density lipoprotein receptor-related proteins 1 and 2. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 8215-20	5.4	51
94	Regulation of seizure spreading by neuroserpin and tissue-type plasminogen activator is plasminogen-independent. <i>Journal of Clinical Investigation</i> , <b>2002</b> , 109, 1571-8	15.9	51
93	Acyl-enzyme complexes between tissue-type plasminogen activator and neuroserpin are short-lived in vitro. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 46852-7	5.4	49
92	The low density lipoprotein receptor-related protein modulates protease activity in the brain by mediating the cellular internalization of both neuroserpin and neuroserpin-tissue-type plasminogen activator complexes. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 50250-8	5.4	48
91	PAI-1 promotes the accumulation of exudate macrophages and worsens pulmonary fibrosis following type II alveolar epithelial cell injury. <i>Journal of Pathology</i> , <b>2012</b> , 228, 170-80	9.4	47
90	Microglial-mediated PDGF-CC activation increases cerebrovascular permeability during ischemic stroke. <i>Acta Neuropathologica</i> , <b>2017</b> , 134, 585-604	14.3	46
89	Plasminogen activator inhibitor-1 inhibits angiogenic signaling by uncoupling vascular endothelial growth factor receptor-2- $\alpha$ 3 integrin cross talk. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2015</b> , 35, 111-20	9.4	45
88	Tissue-type plasminogen activator and neuroserpin: a well-balanced act in the nervous system?. <i>Trends in Cardiovascular Medicine</i> , <b>2004</b> , 14, 173-80	6.9	43
87	The vitronectin-binding function of PAI-1 exacerbates lung fibrosis in mice. <i>Blood</i> , <b>2011</b> , 118, 2313-21	2.2	42
86	Therapeutic administration of plasminogen activator inhibitor-1 prevents hypoxic-ischemic brain injury in newborns. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 8669-74	6.6	41
85	Dual role for plasminogen activator inhibitor type 1 as soluble and as matricellular regulator of epithelial alveolar cell wound healing. <i>American Journal of Pathology</i> , <b>2006</b> , 169, 1624-32	5.8	40
84	Antimetastatic potential of PAI-1-specific RNA aptamers. <i>Oligonucleotides</i> , <b>2009</b> , 19, 117-28		39
83	Structure-function relationships of plasminogen activator inhibitor-1 and its potential as a therapeutic agent. <i>Current Drug Targets</i> , <b>2007</b> , 8, 971-81	3	39
82	Rosuvastatin reduced deep vein thrombosis in ApoE gene deleted mice with hyperlipidemia through non-lipid lowering effects. <i>Thrombosis Research</i> , <b>2013</b> , 131, 268-76	8.2	38
81	Characterization and comparative evaluation of a structurally unique PAI-1 inhibitor exhibiting oral in-vivo efficacy. <i>Journal of Thrombosis and Haemostasis</i> , <b>2004</b> , 2, 1422-8	15.4	38
80	Mouse DESC1 is located within a cluster of seven DESC1-like genes and encodes a type II transmembrane serine protease that forms serpin inhibitory complexes. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 46981-94	5.4	37

79	Randomized assessment of imatinib in patients with acute ischaemic stroke treated with intravenous thrombolysis. <i>Journal of Internal Medicine</i> , <b>2017</b> , 281, 273-283	10.8	36
78	Impaired fibrinolytic system in ApoE gene-deleted mice with hyperlipidemia augments deep vein thrombosis. <i>Journal of Vascular Surgery</i> , <b>2012</b> , 55, 815-22	3.5	34
77	Plasminogen activator inhibitor-1 mitigates brain injury in a rat model of infection-sensitized neonatal hypoxia-ischemia. <i>Cerebral Cortex</i> , <b>2013</b> , 23, 1218-29	5.1	34
76	Low density lipoprotein receptor-related protein-1 (LRP1) regulates thrombospondin-2 (TSP2) enhancement of Notch3 signaling. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 23047-55	5.4	32
75	Characterization of a novel class of polyphenolic inhibitors of plasminogen activator inhibitor-1. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 7892-902	5.4	32
74	Multifaceted role of plasminogen activator inhibitor-1 in regulating early remodeling of vein bypass grafts. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2011</b> , 31, 1781-7	9.4	31
73	Plasminogen activator inhibitor-1 and vitronectin expression level and stoichiometry regulate vascular smooth muscle cell migration through physiological collagen matrices. <i>Journal of Thrombosis and Haemostasis</i> , <b>2010</b> , 8, 1847-54	15.4	31
72	Mapping of a conformational epitope on plasminogen activator inhibitor-1 by random mutagenesis. Implications for serpin function. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 16329-35	5.4	30
71	A CCR2 macrophage endocytic pathway mediates extravascular fibrin clearance in vivo. <i>Blood</i> , <b>2016</b> , 127, 1085-96	2.2	30
70	Old dogs and new tricks: proteases, inhibitors, and cell migration. <i>Science Signaling</i> , <b>2003</b> , 2003, pe24	8.8	29
69	Tissue plasminogen activator-mediated PDGF signaling and neurovascular coupling in stroke. <i>Journal of Thrombosis and Haemostasis</i> , <b>2009</b> , 7 Suppl 1, 155-8	15.4	28
68	Neuroserpin reduces cerebral infarct volume and protects neurons from ischemia-induced apoptosis. <i>Blood</i> , <b>2000</b> , 96, 569-576	2.2	28
67	PAI-1 augments mucosal damage in colitis. <i>Science Translational Medicine</i> , <b>2019</b> , 11,	17.5	27
66	Imatinib treatment reduces brain injury in a murine model of traumatic brain injury. <i>Frontiers in Cellular Neuroscience</i> , <b>2015</b> , 9, 385	6.1	27
65	Platelet-derived growth factor C deficiency in C57BL/6 mice leads to abnormal cerebral vascularization, loss of neuroependymal integrity, and ventricular abnormalities. <i>American Journal of Pathology</i> , <b>2012</b> , 180, 1136-1144	5.8	27
64	The contributions of integrin affinity and integrin-cytoskeletal engagement in endothelial and smooth muscle cell adhesion to vitronectin. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 15679-89	5.4	26
63	Conservation of critical functional domains in murine plasminogen activator inhibitor-1. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 17914-20	5.4	26
62	Fibrinolytic system of cultured endothelial cells: regulation by plasminogen activator inhibitor. <i>Journal of Cellular Biochemistry</i> , <b>1986</b> , 32, 273-80	4.7	26

61	Matrix-bound PAI-1 supports cell blebbing via RhoA/ROCK1 signaling. <i>PLoS ONE</i> , <b>2012</b> , 7, e32204	3.7	26
60	Identification of a neurovascular signaling pathway regulating seizures in mice. <i>Annals of Clinical and Translational Neurology</i> , <b>2015</b> , 2, 722-38	5.3	25
59	The thrombomodulin analog Solulin promotes reperfusion and reduces infarct volume in a thrombotic stroke model. <i>Journal of Thrombosis and Haemostasis</i> , <b>2011</b> , 9, 1174-82	15.4	25
58	Identification of a novel targeting sequence for regulated secretion in the serine protease inhibitor neuroserpin. <i>Biochemical Journal</i> , <b>2007</b> , 402, 25-34	3.8	25
57	Presymptomatic activation of the PDGF-CC pathway accelerates onset of ALS neurodegeneration. <i>Acta Neuropathologica</i> , <b>2016</b> , 131, 453-64	14.3	24
56	Beyond fibrinolysis: the role of plasminogen activator inhibitor-1 and vitronectin in vascular wound healing. <i>Trends in Cardiovascular Medicine</i> , <b>1998</b> , 8, 175-80	6.9	24
55	Progressive ankylosis (Ank) protein is expressed by neurons and Ank immunohistochemical reactivity is increased by limbic seizures. <i>Laboratory Investigation</i> , <b>2003</b> , 83, 1025-32	5.9	24
54	Pharmacological targeting of the PDGF-CC signaling pathway for blood-brain barrier restoration in neurological disorders. <i>Pharmacology &amp; Therapeutics</i> , <b>2016</b> , 167, 108-119	13.9	23
53	tPA Modulation of the Blood-Brain Barrier: A Unifying Explanation for the Pleiotropic Effects of tPA in the CNS. <i>Seminars in Thrombosis and Hemostasis</i> , <b>2017</b> , 43, 154-168	5.3	23
52	Plasminogen activator-1 overexpression decreases experimental postthrombotic vein wall fibrosis by a non-vitronectin-dependent mechanism. <i>Journal of Thrombosis and Haemostasis</i> , <b>2014</b> , 12, 1353-63	15.4	22
51	Recombinant plasminogen activator inhibitor-1 inhibits intimal hyperplasia. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2009</b> , 29, 1565-70	9.4	22
50	PAI-1 and functional blockade of SNAI1 in breast cancer cell migration. <i>Breast Cancer Research</i> , <b>2008</b> , 10, R100	8.3	22
49	Plasminogen promotes sarcoma growth and suppresses the accumulation of tumor-infiltrating macrophages. <i>Oncogene</i> , <b>2002</b> , 21, 8830-42	9.2	22
48	Structural differences between active forms of plasminogen activator inhibitor type 1 revealed by conformationally sensitive ligands. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 18147-57	5.4	21
47	Sequences within domain II of the urokinase receptor critical for differential ligand recognition. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 29925-32	5.4	21
46	A mechanism for assembly of complexes of vitronectin and plasminogen activator inhibitor-1 from sedimentation velocity analysis. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 28711-20	5.4	21
45	Mechanistic characterization and crystal structure of a small molecule inactivator bound to plasminogen activator inhibitor-1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, E4941-9	11.5	20
44	Mechanisms underlying the antifibrotic properties of noninhibitory PAI-1 (PAI-1R) in experimental nephritis. <i>American Journal of Physiology - Renal Physiology</i> , <b>2009</b> , 297, F1045-54	4.3	20

43	Identification of tissue-type plasminogen activator-specific plasminogen activator inhibitor-1 mutants. Evidence that second sites of interaction contribute to target specificity. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 9301-6	5.4	20
42	Elevated cytokines, thrombin and PAI-1 in severe HCPS patients due to Sin Nombre virus. <i>Viruses</i> , <b>2015</b> , 7, 559-89	6.2	19
41	CpaA Is a Glycan-Specific Adamalysin-like Protease Secreted by <i>Acinetobacter baumannii</i> That Inactivates Coagulation Factor XII. <i>MBio</i> , <b>2018</b> , 9,	7.8	19
40	Noninhibitory PAI-1 enhances plasmin-mediated matrix degradation both in vitro and in experimental nephritis. <i>Kidney International</i> , <b>2006</b> , 70, 515-22	9.9	18
39	Vitronectin-binding PAI-1 protects against the development of cardiac fibrosis through interaction with fibroblasts. <i>Laboratory Investigation</i> , <b>2014</b> , 94, 633-44	5.9	17
38	Myeloid mineralocorticoid receptor during experimental ischemic stroke: effects of model and sex. <i>Journal of the American Heart Association</i> , <b>2012</b> , 1, e002584	6	17
37	Mutants of plasminogen activator inhibitor-1 designed to inhibit neutrophil elastase and cathepsin G are more effective in vivo than their endogenous inhibitors. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 29981-7	5.4	17
36	Drug Targeting of Plasminogen Activator Inhibitor-1 Inhibits Metabolic Dysfunction and Atherosclerosis in a Murine Model of Metabolic Syndrome. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2020</b> , 40, 1479-1490	9.4	16
35	Taming neonatal hypoxic-ischemic brain injury by intranasal delivery of plasminogen activator inhibitor-1. <i>Stroke</i> , <b>2013</b> , 44, 2623-2627	6.7	15
34	Structural similarity of the covalent complexes formed between the serpin plasminogen activator inhibitor-1 and the arginine-specific proteinases trypsin, LMW u-PA, HMW u-PA, and t-PA: use of site-specific fluorescent probes of local environment. <i>Protein Science</i> , <b>2002</b> , 11, 1182-91	6.3	14
33	A plasminogen activator inhibitor type-1 mutant retards diabetic nephropathy in db/db mice by protecting podocytes. <i>Experimental Physiology</i> , <b>2014</b> , 99, 802-15	2.4	13
32	Update on the electrolytic IVC model for pre-clinical studies of venous thrombosis. <i>Research and Practice in Thrombosis and Haemostasis</i> , <b>2018</b> , 2, 266-273	5.1	12
31	Low-molecular-weight heparin modulates vein wall fibrotic response in a plasminogen activator inhibitor 1-dependent manner. <i>Journal of Vascular Surgery: Venous and Lymphatic Disorders</i> , <b>2014</b> , 2, 441-450.e1 <sup>12</sup>	3.2	12
30	uPA binding to PAI-1 induces corneal myofibroblast differentiation on vitronectin <b>2012</b> , 53, 4765-75		12
29	High-affinity binding of plasminogen-activator inhibitor 1 complexes to LDL receptor-related protein 1 requires lysines 80, 88, and 207. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 212-222	5.4	12
28	Slow fusion pore expansion creates a unique reaction chamber for co-packaged cargo. <i>Journal of General Physiology</i> , <b>2017</b> , 149, 921-934	3.4	11
27	A high-fat diet delays plasmin generation in a thrombomodulin-dependent manner in mice. <i>Blood</i> , <b>2020</b> , 135, 1704-1717	2.2	11
26	Mechanisms Underlying Astrocyte Endfeet Swelling in Stroke. <i>Acta Neurochirurgica Supplementum</i> , <b>2016</b> , 121, 19-22	1.7	11



25	Plasma tissue plasminogen activator and plasminogen activator inhibitor-1 in hospitalized COVID-19 patients <b>2020</b> ,		10
24	Upregulation of P2YR, Active uPA, and PAI-1 Are Essential Components of Hantavirus Cardiopulmonary Syndrome. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2018</b> , 8, 169	5.9	9
23	Neuroserpin polymorphisms and stroke risk in a biracial population: the stroke prevention in young women study. <i>BMC Neurology</i> , <b>2007</b> , 7, 37	3.1	9
22	Serpin mutagenesis. <i>Methods</i> , <b>2004</b> , 32, 130-40	4.6	9
21	Novel bis-arylsulfonamides and aryl sulfonimides as inactivators of plasminogen activator inhibitor-1 (PAI-1). <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2010</b> , 20, 966-70	2.9	8
20	Characterization of the Annonaceous acetogenin, annonacinone, a natural product inhibitor of plasminogen activator inhibitor-1. <i>Scientific Reports</i> , <b>2016</b> , 6, 36462	4.9	8
19	Traumatic Brain Injury Leads to Accelerated Atherosclerosis in Apolipoprotein E Deficient Mice. <i>Scientific Reports</i> , <b>2018</b> , 8, 5639	4.9	7
18	Development of inhibitors of plasminogen activator inhibitor-1. <i>Methods in Enzymology</i> , <b>2011</b> , 501, 177-207		7
17	Increased stroke size following MCA occlusion in a mouse model of sickle cell disease. <i>Blood</i> , <b>2014</b> , 123, 1965-7	2.2	6
16	Association of Alzheimer disease pathology with abnormal lipid metabolism: the Hisayama study. <i>Neurology</i> , <b>2012</b> , 78, 1280	6.5	6
15	Passenger mutations and aberrant gene expression in congenic tissue plasminogen activator-deficient mouse strains. <i>Journal of Thrombosis and Haemostasis</i> , <b>2016</b> , 14, 1618-28	15.4	6
14	Dual-reporter high-throughput screen for small-molecule inhibitors of plasminogen activator inhibitor type-1 yields a clinical lead candidate. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 1464-1477	5.4	6
13	Characterization of Tissue Plasminogen Activator Expression and Trafficking in the Adult Murine Brain. <i>ENeuro</i> , <b>2018</b> , 5,	3.9	5
12	Plasminogen Activator Inhibitor-1 Reduces Tissue-Type Plasminogen Activator-Dependent Fibrinolysis and Intrahepatic Hemorrhage in Experimental Acetaminophen Overdose. <i>American Journal of Pathology</i> , <b>2018</b> , 188, 1204-1212	5.8	4
11	Neuroserpin Differentiates Between Forms of Tissue Type Plasminogen Activator via pH Dependent Deacylation. <i>Frontiers in Cellular Neuroscience</i> , <b>2016</b> , 10, 154	6.1	4
10	Gene Expression and Function of Plasminogen Activator Inhibitor-1 <b>2019</b> , 21-29		3
9	Plasminogen Activators in Ischemic Stroke 127-156		3
8	The role of reactive-center loop mobility in the serpin inhibitory mechanism. <i>Advances in Experimental Medicine and Biology</i> , <b>1997</b> , 425, 99-108	3.6	3

7	Novel approaches to thrombolysis based on modulation of endogenous fibrinolysis. <i>Coronary Artery Disease</i> , <b>1998</b> , 9, 99-104	1.4	2
6	Tissue Plasminogen Activator in Central Nervous System Physiology and Pathology: From Synaptic Plasticity to Alzheimer's Disease.. <i>Seminars in Thrombosis and Hemostasis</i> , <b>2021</b> , 48,	5.3	2
5	The functional dissonance of platelets. <i>Blood</i> , <b>2012</b> , 120, 1154-5	2.2	1
4	Compartmentalized Actions of the Plasminogen Activator Inhibitors, PAI-1 and Nsp, in Ischemic Stroke.. <i>Translational Stroke Research</i> , <b>2022</b> , 1	7.8	0
3	Deep mutational scanning of the plasminogen activator inhibitor-1 functional landscape. <i>Scientific Reports</i> , <b>2021</b> , 11, 18827	4.9	0
2	Sometimes a cigar is just a cigar. <i>Blood</i> , <b>2010</b> , 116, 1394-5	2.2	
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