

Karl B Lemström

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

88

papers

2,202

citations

27

h-index

44

g-index

115

ext. papers

2,395

ext. citations

4.3

avg, IF

3.95

L-index

#	Paper	IF	Citations
88	Chronic allograft rejection. <i>Immunological Reviews</i> , 1993 , 134, 33-81	11.3	207
87	Vascular endothelial growth factor enhances cardiac allograft arteriosclerosis. <i>Circulation</i> , 2002 , 105, 2524-30	16.7	116
86	Vascular endothelial growth factor-B acts as a coronary growth factor in transgenic rats without inducing angiogenesis, vascular leak, or inflammation. <i>Circulation</i> , 2010 , 122, 1725-33	16.7	113
85	Targeting lymphatic vessel activation and CCL21 production by vascular endothelial growth factor receptor-3 inhibition has novel immunomodulatory and antiarteriosclerotic effects in cardiac allografts. <i>Circulation</i> , 2010 , 121, 1413-22	16.7	105
84	Usefulness of extracorporeal membrane oxygenation as a bridge to lung transplantation: a descriptive study. <i>Journal of Heart and Lung Transplantation</i> , 2011 , 30, 103-7	5.8	100
83	De novo expression of endothelial sialyl Lewis(a) and sialyl Lewis(x) during cardiac transplant rejection: superior capacity of a tetravalent sialyl Lewis(x) oligosaccharide in inhibiting L-selectin-dependent lymphocyte adhesion. <i>Journal of Experimental Medicine</i> , 1995 , 182, 1133-41	16.6	92
82	Angiopoietin-1 protects against the development of cardiac allograft arteriosclerosis. <i>Circulation</i> , 2003 , 107, 1308-14	16.7	85
81	Cytomegalovirus antigen expression, endothelial cell proliferation, and intimal thickening in rat cardiac allografts after cytomegalovirus infection. <i>Circulation</i> , 1995 , 92, 2594-604	16.7	68
80	Cytomegalovirus infection-enhanced chronic kidney allograft rejection is linked with intercellular adhesion molecule-1 expression. <i>Kidney International</i> , 1996 , 50, 526-37	9.9	62
79	Selective tyrosine kinase inhibitor for the platelet-derived growth factor receptor in vitro inhibits smooth muscle cell proliferation after reinjury of arterial intima in vivo. <i>Cardiovascular Drugs and Therapy</i> , 1999 , 13, 159-68	3.9	61
78	Prevention of cardiac allograft arteriosclerosis by protein tyrosine kinase inhibitor selective for platelet-derived growth factor receptor. <i>Circulation</i> , 1999 , 99, 2295-301	16.7	60
77	Donor simvastatin treatment abolishes rat cardiac allograft ischemia/reperfusion injury and chronic rejection through microvascular protection. <i>Circulation</i> , 2011 , 124, 1138-50	16.7	58
76	Cytomegalovirus infection-enhanced cardiac allograft vasculopathy is abolished by DHPG prophylaxis in the rat. <i>Circulation</i> , 1997 , 95, 2614-6	16.7	48
75	Differential regulation of somatostatin receptor types 1-5 in rat aorta after angioplasty. <i>FASEB Journal</i> , 1999 , 13, 387-94	0.9	40
74	Blockade of CD28/B7-2 costimulation inhibits experimental obliterative bronchiolitis in rat tracheal allografts: suppression of helper T cell type1-dominated immune response. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2002 , 165, 724-9	10.2	39
73	Towards understanding the pathophysiology of chronic rejection. <i>The Clinical Investigator</i> , 1992 , 70, 780-90		39
72	PDGF-A, -C, and -D but not PDGF-B increase TGF-beta1 and chronic rejection in rat cardiac allografts. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009 , 29, 691-8	9.4	38

71	Dual role of vascular endothelial growth factor in experimental obliterative bronchiolitis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005 , 171, 1421-9	10.2	37
70	Critical role of VEGF-C/VEGFR-3 signaling in innate and adaptive immune responses in experimental obliterative bronchiolitis. <i>American Journal of Pathology</i> , 2012 , 181, 1607-20	5.8	35
69	Donor simvastatin treatment prevents ischemia-reperfusion and acute kidney injury by preserving microvascular barrier function. <i>American Journal of Transplantation</i> , 2013 , 13, 2019-34	8.7	33
68	Common protective and diverse smooth muscle cell effects of AAV-mediated angiopoietin-1 and -2 expression in rat cardiac allograft vasculopathy. <i>Circulation Research</i> , 2006 , 98, 1373-80	15.7	32
67	Combined vascular endothelial growth factor and platelet-derived growth factor inhibition in rat cardiac allografts: beneficial effects on inflammation and smooth muscle cell proliferation. <i>Transplantation</i> , 2005 , 79, 182-9	1.8	31
66	Cytological monitoring of peripheral blood, bronchoalveolar lavage fluid, and transbronchial biopsy specimens during acute rejection and cytomegalovirus infection in lung and heart-lung allograft recipients. <i>Clinical Transplantation</i> , 2001 , 15, 77-88	3.8	30
65	Enhancement of transplantation-associated atherosclerosis by CMV, which can be prevented by antiviral therapy in the form of HPMPC. <i>Transplant International</i> , 1994 , 7 Suppl 1, S365-70	3	29
64	Role of platelet-derived growth factor and vascular endothelial growth factor in obliterative airway disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2006 , 174, 1145-52	10.2	28
63	Three decades of heart transplantation in Scandinavia: long-term follow-up. <i>European Journal of Heart Failure</i> , 2013 , 15, 308-15	12.3	27
62	Natural course and risk factors for impaired renal function during the first year after heart transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2010 , 29, 633-40	5.8	27
61	VEGF Pathways in the Lymphatics of Healthy and Diseased Heart. <i>Microcirculation</i> , 2016 , 23, 5-14	2.9	27
60	Increased Th17 rather than Th1 alloimmune response is associated with cardiac allograft vasculopathy after hypothermic preservation in the rat. <i>Journal of Heart and Lung Transplantation</i> , 2010 , 29, 1047-57	5.8	26
59	Angiopoietin-2 inhibition prevents transplant ischemia-reperfusion injury and chronic rejection in rat cardiac allografts. <i>American Journal of Transplantation</i> , 2014 , 14, 1096-108	8.7	24
58	Ischemia-Reperfusion Injury Enhances Lymphatic Endothelial VEGFR3 and Rejection in Cardiac Allografts. <i>American Journal of Transplantation</i> , 2016 , 16, 1160-72	8.7	21
57	Control of early Aspergillus mortality after lung transplantation: outcome and risk factors. <i>Transplantation Proceedings</i> , 2010 , 42, 4459-64	1.1	19
56	Tacrolimus treatment effectively inhibits progression of obliterative airway disease even at later stages of disease development. <i>Journal of Heart and Lung Transplantation</i> , 2008 , 27, 856-64	5.8	19
55	VEGFR-1 and -2 regulate inflammation, myocardial angiogenesis, and arteriosclerosis in chronically rejecting cardiac allografts. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007 , 27, 819-25	9.4	19
54	Vascular endothelial growth factor in chronic rat allograft nephropathy. <i>Transplant Immunology</i> , 2008 , 19, 136-44	1.7	18

53	Platelet-derived growth factor receptor inhibition reduces allograft arteriosclerosis of heart and aorta in cholesterol-fed rabbits. <i>Transplantation</i> , 2003 , 75, 334-9	1.8	18
52	Role of endogenous endothelin-1 in transplant obliterative airway disease in the rat. <i>American Journal of Transplantation</i> , 2004 , 4, 713-20	8.7	17
51	Donor Heart Treatment With COMP-Ang1 Limits Ischemia-Reperfusion Injury and Rejection of Cardiac Allografts. <i>American Journal of Transplantation</i> , 2015 , 15, 2075-84	8.7	15
50	Simvastatin pretreatment reduces caspase-9 and RIPK1 protein activity in rat cardiac allograft ischemia-reperfusion. <i>Transplant Immunology</i> , 2016 , 37, 40-45	1.7	15
49	Immunobiology and pathology of chronic rejection. <i>Transplantation Proceedings</i> , 1997 , 29, 77-8	1.1	15
48	Induction of adhesion molecules on the endothelia of rejecting cardiac allografts. <i>Journal of Heart and Lung Transplantation</i> , 1995 , 14, 205-13	5.8	15
47	Donor Simvastatin Treatment in Heart Transplantation. <i>Circulation</i> , 2019 , 140, 627-640	16.7	13
46	The effect of platelet-derived growth factor ligands in rat cardiac allograft vasculopathy and fibrosis. <i>Transplantation Proceedings</i> , 2006 , 38, 3271-3	1.1	13
45	Differential effects of pharmacological HIF preconditioning of donors versus recipients in rat cardiac allografts. <i>American Journal of Transplantation</i> , 2013 , 13, 600-10	8.7	12
44	Association between gastrointestinal symptoms and health-related quality of life after heart transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2010 , 29, 1388-94	5.8	12
43	CMV infection and allograft rejection. <i>Transplantation Proceedings</i> , 1998 , 30, 916-7	1.1	12
42	Cardiomyocyte-targeted HIF-1alpha gene therapy inhibits cardiomyocyte apoptosis and cardiac allograft vasculopathy in the rat. <i>Journal of Heart and Lung Transplantation</i> , 2010 , 29, 1058-66	5.8	11
41	Expression of platelet-derived growth factor in the development of cardiac allograft vasculopathy in the rat. <i>Transplantation Proceedings</i> , 1997 , 29, 1045-6	1.1	11
40	Role of angiogenic growth factors in transplant coronary artery disease. <i>Annals of Medicine</i> , 2004 , 36, 184-93	1.5	11
39	Crosstalk of endothelin-1 and platelet-derived growth factor in cardiac allograft arteriosclerosis. <i>Journal of the American College of Cardiology</i> , 2002 , 39, 710-7	15.1	10
38	Cytomegalovirus infection enhances allograft arteriosclerosis in the rat. <i>Transplantation Proceedings</i> , 1993 , 25, 1406-7	1.1	10
37	Combined donor simvastatin and methylprednisolone treatment prevents ischemia-reperfusion injury in rat cardiac allografts through vasculoprotection and immunomodulation. <i>Transplantation</i> , 2013 , 95, 1084-91	1.8	9
36	Innate and adaptive immune responses in obliterative airway disease in rat tracheal allografts. <i>Journal of Heart and Lung Transplantation</i> , 2011 , 30, 707-16	5.8	9

35	Enhanced intimal proliferation upon injury to pre-existing neointima and resistance of neointimal cells to cell death. <i>Cardiovascular Pathology</i> , 1999 , 8, 339-47	3.8	9
34	Detailed analysis of cell profiles in peripheral blood, bronchoalveolar lavage fluid, and transbronchial biopsy specimens during acute rejection and CMV infection in lung and heart-lung allograft recipients. <i>Transplantation Proceedings</i> , 1999 , 31, 163-4	1.1	8
33	Inhibition of obliterative bronchiolitis by platelet-derived growth factor receptor protein-tyrosine kinase inhibitor. <i>Transplantation Proceedings</i> , 1999 , 31, 187	1.1	8
32	Extracorporeal membrane oxygenation for refractory cardiogenic shock: patient survival and health-related quality of life. <i>European Journal of Cardio-thoracic Surgery</i> , 2019 , 55, 780-787	3	8
31	Cholesterol lowering with EVOLocumab to prevent cardiac allograft Vasculopathy in De-novo heart transplant recipients: Design of the randomized controlled EVOLVD trial. <i>Clinical Transplantation</i> , 2020 , 34, e13984	3.8	7
30	Ex vivo intracoronary gene transfer of adeno-associated virus 2 leads to superior transduction over serotypes 8 and 9 in rat heart transplants. <i>Transplant International</i> , 2013 , 26, 1126-37	3	7
29	Vascular endothelial growth factor plays a major role in development of experimental obliterative bronchiolitis. <i>Transplantation Proceedings</i> , 2006 , 38, 3266-7	1.1	7
28	Platelet-derived growth factor regulates cytomegalovirus infection-enhanced obliterative bronchiolitis in rat tracheal allografts. <i>Transplantation</i> , 2004 , 77, 655-8	1.8	7
27	Cytomegalovirus infection-enhanced chronic rejection in the rat is prevented by antiviral prophylaxis. <i>Transplantation Proceedings</i> , 2001 , 33, 1801	1.1	7
26	Platelet-derived Growth Factor-B Protects Rat Cardiac Allografts From Ischemia-reperfusion Injury. <i>Transplantation</i> , 2016 , 100, 303-13	1.8	7
25	Donor simvastatin treatment and cardiac allograft ischemia/reperfusion injury. <i>Trends in Cardiovascular Medicine</i> , 2013 , 23, 85-90	6.9	6
24	Systemic overexpression of matricellular protein CCN1 exacerbates obliterative bronchiolitis in mouse tracheal allografts. <i>Transplant International</i> , 2015 , 28, 1416-25	3	6
23	Vascular cell adhesion molecule-1 (VCAM-1) is induced during cytomegalovirus infection in vascular structures of heart allografts. <i>Transplant International</i> , 1994 , 7 Suppl 1, S363-4	3	6
22	Cytomegalovirus infection accelerates mRNA expression of several smooth muscle cell growth factors in the allograft vascular wall. <i>Transplantation Proceedings</i> , 1995 , 27, 566-7	1.1	6
21	Hypoxia-inducible factor controls immunoregulatory properties of myeloid cells in mouse cardiac allografts - an experimental study. <i>Transplant International</i> , 2019 , 32, 95-106	3	5
20	PDGF receptor inhibition prevents cardiac allograft arteriosclerosis in cholesterol-fed rabbits. <i>Transplantation Proceedings</i> , 2001 , 33, 318	1.1	5
19	Prevention of cardiac allograft arteriosclerosis by protein-tyrosine kinase inhibitor selective for platelet-derived growth factor receptor. <i>Transplantation Proceedings</i> , 1999 , 31, 102	1.1	5
18	Inhibition of complement reduces obliterative bronchiolitis. <i>Transplantation Proceedings</i> , 1999 , 31, 188	1.1	5

17	Effect of simvastatin on development of obliterative airway disease: an experimental study. <i>Journal of Heart and Lung Transplantation</i> , 2012 , 31, 194-203	5.8	4
16	Inhibition of tumor necrosis factor-alpha attenuates myocardial remodeling in rat cardiac allografts. <i>Journal of Heart and Lung Transplantation</i> , 2006 , 25, 569-78	5.8	4
15	A prospective study comparing cytomegalovirus antigenemia, DNAemia and RNAemia tests in guiding pre-emptive therapy in thoracic organ transplant recipients. <i>Transplant International</i> , 2005 , 18, 1318-27	3	4
14	Triple-drug immunosuppression significantly reduces chronic rejection in noninfected and RCMV-infected rats. <i>Transplantation Proceedings</i> , 1994 , 26, 1727-8	1.1	4
13	Molecular mechanisms of chronic renal allograft rejection. <i>Kidney International, Supplement</i> , 1995 , 52, S2-10		4
12	Cost-utility of venoarterial extracorporeal membrane oxygenation in cardiogenic shock and cardiac arrest. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2020 , 9, 333-341	4.3	3
11	Cytomegalovirus infection accelerates experimental obliterative bronchiolitis via platelet-derived growth factor upregulation. <i>Transplantation Proceedings</i> , 1997 , 29, 798	1.1	3
10	Effect of graft preservation and acute rejection on hypoxia-inducible factor-1 in rat cardiac allografts. <i>Transplantation Proceedings</i> , 2006 , 38, 3372-3	1.1	3
9	Frequency of infections and their relation to episodes of acute rejection among heart allograft recipients. <i>Presse Medicale</i> , 1994 , 23, 1252-6	2.2	3
8	Increased myeloid cell hypoxia-inducible factor-1 delays obliterative airway disease in the mouse. <i>Journal of Heart and Lung Transplantation</i> , 2016 , 35, 671-8	5.8	2
7	VEGF Receptor Signaling in the Cardiac Lymphatics 2013 , 125-143		1
6	Angiogenic growth factors in cardiac allograft rejection. <i>Transplantation</i> , 2006 , 82, S22-4	1.8	1
5	Inhibition of Vascular Endothelial Growth Factor Receptors 1 and 2 Attenuates Natural Killer Cell and Innate Immune Responses in an Experimental Model for Obliterative Bronchiolitis. <i>American Journal of Pathology</i> , 2021 ,	5.8	1
4	Plasma proteome of brain-dead organ donors predicts heart transplant outcome.. <i>Journal of Heart and Lung Transplantation</i> , 2021 ,	5.8	1
3	Cytomegalovirus infection accelerates obliterative bronchiolitis of rat tracheal allografts. <i>Transplant International</i> , 1996 , 9 Suppl 1, S221-2	3	1
2	Simvastatin Treatment Upregulates Anti-Fibrotic Bone Morphogenetic Protein-7 Expression at Rat Cardiac Allograft Rejection. <i>Pharmacology</i> , 2016 , 98, 204-208	2.3	1
1	Transgenic Overexpression of Cardiac-Specific Vascular Endothelial Growth Factor B Exacerbates Ischemia Reperfusion Injury in Rat Cardiac Grafts.. <i>Transplantation</i> , 2014 , 98, 352-353	1.8	