

Elisa Anamaria Liehn

List of Publications by Year in descending order

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Version: 2024-02-01

106
papers

5,901
citations

70961

41
h-index

76769

74
g-index

109
all docs

109
docs citations

109
times ranked

7699
citing authors

#	ARTICLE	IF	CITATIONS
1	Inhibiting cardiac myeloperoxidase alleviates the relaxation defect in hypertrophic cardiomyocytes. <i>Cardiovascular Research</i> , 2022, 118, 517-530.	1.8	27
2	Endothelial Progenitor Cells Modulate the Phenotype of Smooth Muscle Cells and Increase Their Neointimal Accumulation Following Vascular Injury. <i>Thrombosis and Haemostasis</i> , 2022, 122, 456-469.	1.8	11
3	Caffeine prevents restenosis and inhibits vascular smooth muscle cell proliferation through the induction of autophagy. <i>Autophagy</i> , 2022, 18, 2150-2160.	4.3	9
4	Engagement of the CXCL12â€“CXCR4 Axis in the Interaction of Endothelial Progenitor Cell and Smooth Muscle Cell to Promote Phenotype Control and Guard Vascular Homeostasis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 867.	1.8	5
5	Fibroblast Growth Factor 23 and Outcome Prediction in Patients with Acute Myocardial Infarction. <i>Journal of Clinical Medicine</i> , 2022, 11, 601.	1.0	5
6	Dose-dependent impact of statin therapy intensity on circulating progenitor cells in patients undergoing percutaneous coronary intervention for the treatment of acute versus chronic coronary syndrome. <i>PLoS ONE</i> , 2022, 17, e0267433.	1.1	1
7	Phosphatidylserine Supplementation as a Novel Strategy for Reducing Myocardial Infarct Size and Preventing Adverse Left Ventricular Remodeling. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4401.	1.8	11
8	Recent Advancements of Specific Functionalized Surfaces of Magnetic Nano- and Microparticles as a Theranostics Source in Biomedicine. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 1914-1932.	2.6	9
9	miR155 Deficiency Reduces Myofibroblast Density but Fails to Improve Cardiac Function after Myocardial Infarction in Dyslipidemic Mouse Model. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5480.	1.8	5
10	Intact fibroblast growth factor 23 levels and outcome prediction in patients with acute heart failure. <i>Scientific Reports</i> , 2021, 11, 15507.	1.6	9
11	Apolipoprotein E4 Is Associated with Right Ventricular Dysfunction in Dilated Cardiomyopathyâ€”An Animal and In-Human Comparative Study. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9688.	1.8	4
12	CCR6 Deficiency Increases Infarct Size after Murine Acute Myocardial Infarction. <i>Biomedicines</i> , 2021, 9, 1532.	1.4	1
13	Neutralizing IL-11 antibody reduces vessel hyperplasia in a mouse carotid artery wire injury model. <i>Scientific Reports</i> , 2021, 11, 20674.	1.6	11
14	Heart function assessment during aging in apolipoprotein E knock-out mice. <i>Discoveries</i> , 2021, 9, e136.	1.5	4
15	Ultrasound Microbubbles for Diagnosis and Treatment of Cardiovascular Diseases. <i>Seminars in Thrombosis and Hemostasis</i> , 2020, 46, 545-552.	1.5	25
16	Lipid efflux mechanisms, relation to disease and potential therapeutic aspects. <i>Advanced Drug Delivery Reviews</i> , 2020, 159, 54-93.	6.6	18
17	Neutrophils Modulate Fibroblast Function and Promote Healing and Scar Formation after Murine Myocardial Infarction â€. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3685.	1.8	28
18	Induction of Accelerated Atherosclerosis in Mice: The "Wire-Injury" Model. <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	5

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19	Implantation of Human-Sized Coronary Stents into Rat Abdominal Aorta Using a Trans-Femoral Access. <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	2
20	Influence of Vitamin C on Antioxidant Capacity of In Vitro Perfused Porcine Kidneys. <i>Nutrients</i> , 2019, 11, 1774.	1.7	13
21	Biomechanical assessment of remote and postinfarction scar remodeling following myocardial infarction. <i>Scientific Reports</i> , 2019, 9, 16744.	1.6	17
22	Immune cells as targets for cardioprotection: new players and novel therapeutic opportunities. <i>Cardiovascular Research</i> , 2019, 115, 1117-1130.	1.8	125
23	Elevated expression of the metalloproteinase ADAM8 associates with vascular diseases in mice and humans. <i>Atherosclerosis</i> , 2019, 286, 163-171.	0.4	15
24	Identification of platelet-derived growth factor C as a mediator of both renal fibrosis and hypertension. <i>Kidney International</i> , 2019, 95, 1103-1119.	2.6	14
25	Cardiac FGF23: new insights into the role and function of FGF23 after acute myocardial infarction. <i>Cardiovascular Pathology</i> , 2019, 40, 47-54.	0.7	20
26	Apolipoprotein E deficient rats generated via zinc-finger nucleases exhibit pronounced in-stent restenosis. <i>Scientific Reports</i> , 2019, 9, 18153.	1.6	13
27	FURIN Inhibition Reduces Vascular Remodeling and Atherosclerotic Lesion Progression in Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 387-401.	1.1	51
28	Molecular Ultrasound Imaging of Junctional Adhesion Molecule A Depicts Acute Alterations in Blood Flow and Early Endothelial Dysregulation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 40-48.	1.1	34
29	Apolipoprotein E in Cardiovascular Diseases: Novel Aspects of an Old-fashioned Enigma. <i>Archives of Medical Research</i> , 2018, 49, 522-529.	1.5	22
30	Myocardial infarction is sufficient to increase GLP-1 secretion, leading to improved left ventricular contractility and mitochondrial respiratory capacity. <i>Diabetes, Obesity and Metabolism</i> , 2018, 20, 2911-2918.	2.2	19
31	Hemocompatibility of plasma electrolytic oxidation (PEO) coated Mg-RE and Mg-Zn-Ca alloys for vascular scaffold applications. <i>Materials Science and Engineering C</i> , 2018, 92, 819-826.	3.8	17
32	Blocking CCL5-CXCL4 heteromerization preserves heart function after myocardial infarction by attenuating leukocyte recruitment and NETosis. <i>Scientific Reports</i> , 2018, 8, 10647.	1.6	63
33	Cardiomyocyte Hypertrophy in Arrhythmogenic Cardiomyopathy. <i>American Journal of Pathology</i> , 2017, 187, 752-766.	1.9	18
34	Polymeric Selectin Ligands Mimicking Complex Carbohydrates: From Selectin Binders to Modifiers of Macrophage Migration. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1416-1421.	7.2	41
35	Proteomic-Biostatistic Integrated Approach for Finding the Underlying Molecular Determinants of Hypertension in Human Plasma. <i>Hypertension</i> , 2017, 70, 412-419.	1.3	19
36	Using the Sleeve Technique in a Mouse Model of Aortic Transplantation - An Instructional Video. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	2

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37	Role of the CX3C chemokine receptor CX3CR1 in the pathogenesis of atherosclerosis after aortic transplantation. PLoS ONE, 2017, 12, e0170644.	1.1	10
38	Anti-inflammatory Gold-Induced Autologous Cytokines treatment triggers heart failure after myocardial infarction. Discoveries, 2017, 5, e80.	1.5	2
39	From basic mechanisms to clinical applications in heart protection, new players in cardiovascular diseases and cardiac theranostics: meeting report from the third international symposium on "New frontiers in cardiovascular research" Basic Research in Cardiology, 2016, 111, 69.	2.5	41
40	Targeting In-Stent-Stenosis with RGD- and CXCL1-Coated Mini-Stents in Mice. PLoS ONE, 2016, 11, e0155829.	1.1	14
41	Advanced modular automated calculation of the morpho-histological parameters in myocardial infarction. Discoveries, 2016, 4, e66.	1.5	5
42	Minimal Invasive Surgical Procedure of Inducing Myocardial Infarction in Mice. Journal of Visualized Experiments, 2015, , e52197.	0.2	17
43	An updated h-index measures both the primary and total scientific output of a researcher. Discoveries, 2015, 3, e50.	1.5	10
44	Progress in interventional cardiology: challenges for the future. Thrombosis and Haemostasis, 2015, 113, 464-472.	1.8	17
45	Identification of the Vasoconstriction-Inhibiting Factor (VIF), a Potent Endogenous Cofactor of Angiotensin II Acting on the Angiotensin II Type 2 Receptor. Circulation, 2015, 131, 1426-1434.	1.6	33
46	Noninvasive Molecular Ultrasound Monitoring of Vessel Healing After Intravascular Surgical Procedures in a Preclinical Setup. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 1366-1373.	1.1	25
47	Blockade of CCR3 retains the neutrophils, preserving their survival during healing after myocardial infarction. Discoveries, 2015, 3, e45.	1.5	5
48	Establishment of a New Murine Elastase-Induced Aneurysm Model Combined with Transplantation. PLoS ONE, 2014, 9, e102648.	1.1	4
49	Response to Letter Regarding Article "Role of Extracellular RNA in Atherosclerotic Plaque Formation in Mice": Circulation, 2014, 130, e144-5.	1.6	12
50	Role of Extracellular RNA in Atherosclerotic Plaque Formation in Mice. Circulation, 2014, 129, 598-606.	1.6	73
51	Controlled intramyocardial release of engineered chemokines by biodegradable hydrogels as a treatment approach of myocardial infarction. Journal of Cellular and Molecular Medicine, 2014, 18, 790-800.	1.6	36
52	Nrf2 augments skeletal muscle regeneration after ischaemia-reperfusion injury. Journal of Pathology, 2014, 234, 538-547.	2.1	48
53	Deficiency of Endothelial Cxcr4 Reduces Reendothelialization and Enhances Neointimal Hyperplasia After Vascular Injury in Atherosclerosis-Prone Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 1209-1220.	1.1	57
54	RNase1 prevents the damaging interplay between extracellular RNA and tumour necrosis factor- α in cardiac ischaemia/reperfusion injury. Thrombosis and Haemostasis, 2014, 112, 1110-1119.	1.8	79

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55	Effect of SDF-1 α on Endogenous Mobilized and Transplanted Stem Cells in Regeneration after Myocardial Infarction. <i>Current Pharmaceutical Design</i> , 2014, 20, 1964-1970.	0.9	14
56	Abstract 16008: Improved Safety and Efficacy of a Novel Dual cRGD- and Everolimus-Coated Coronary Stent Compared to Everolimus-Eluting Stents in the Porcine Coronary Model. <i>Circulation</i> , 2014, 130, .	1.6	1
57	Differential roles of angiogenic chemokines in endothelial progenitor cell-induced angiogenesis. <i>Basic Research in Cardiology</i> , 2013, 108, 310.	2.5	79
58	CXC chemokine KC fails to induce neutrophil infiltration and neoangiogenesis in a mouse model of myocardial infarction. <i>Journal of Molecular and Cellular Cardiology</i> , 2013, 60, 1-7.	0.9	24
59	The effect of platelet rich plasma on angiogenesis in ischemic flaps in VEGFR2-luc mice. <i>Biomaterials</i> , 2013, 34, 2674-2682.	5.7	30
60	Compartmentalized Protective and Detrimental Effects of Endogenous Macrophage Migration-Inhibitory Factor Mediated by CXCR2 in a Mouse Model of Myocardial Ischemia/Reperfusion. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 2180-2186.	1.1	54
61	Rhodamine-Loaded Intercellular Adhesion Moleculeâ€1-targeted Microbubbles for Dual-Modality Imaging Under Controlled Shear Stresses. <i>Circulation: Cardiovascular Imaging</i> , 2013, 6, 974-981.	1.3	24
62	A Murine Model of Stent Implantation in the Carotid Artery for the Study of Restenosis. <i>Journal of Visualized Experiments</i> , 2013, , e50233.	0.2	5
63	Chemokine Contribution in Stem Cell Engraftment into the Infarcted Myocardium. <i>Current Stem Cell Research and Therapy</i> , 2013, 8, 278-283.	0.6	5
64	A Novel Laser-Doppler Flowmetry Assisted Murine Model of Acute Hindlimb Ischemia-Reperfusion for Free Flap Research. <i>PLoS ONE</i> , 2013, 8, e66498.	1.1	13
65	Contribution of Platelet CX ₃ CR1 to Plateletâ€Monocyte Complex Formation and Vascular Recruitment During Hyperlipidemia. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 1186-1193.	1.1	76
66	Role of Microparticles as Messengers Enhancing Stem Cell Activity After Genetic Engineering. <i>Circulation Research</i> , 2012, 111, 265-267.	2.0	3
67	Introduction of a highâ€throughput doubleâ€stent animal model for the evaluation of biodegradable vascular stents. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012, 100B, 2023-2028.	1.6	2
68	Repetitive transplantation of different cell types sequentially improves heart function after infarction. <i>Journal of Cellular and Molecular Medicine</i> , 2012, 16, 1640-1647.	1.6	4
69	Myocardial regeneration by transplantation of modified endothelial progenitor cells expressing <sc>SDF</sc>â€1 in a rat model. <i>Journal of Cellular and Molecular Medicine</i> , 2012, 16, 2311-2320.	1.6	31
70	Anti-Inflammatory Therapeutic Approaches to Reduce Acute Atherosclerotic Complications. <i>Current Pharmaceutical Biotechnology</i> , 2012, 13, 37-45.	0.9	18
71	Role of cold shock Y-box protein-1 in inflammation, atherosclerosis and organ transplant rejection. <i>European Journal of Cell Biology</i> , 2012, 91, 567-575.	1.6	31
72	Double-Edged Role of the CXCL12/CXCR4 Axis in Experimental Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , 2011, 58, 2415-2423.	1.2	114

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73	Repair After Myocardial Infarction, Between Fantasy and Reality. <i>Journal of the American College of Cardiology</i> , 2011, 58, 2357-2362.	1.2	149
74	Neutrophil-Derived Cathelicidin Protects from Neointimal Hyperplasia. <i>Science Translational Medicine</i> , 2011, 3, 103ra98.	5.8	100
75	Platelet Microparticles Enhance the Vasoregenerative Potential of Angiogenic Early Outgrowth Cells After Vascular Injury. <i>Circulation</i> , 2010, 122, 495-506.	1.6	184
76	A New Monocyte Chemotactic Protein-1/Chemokine CC Motif Ligand-2 Competitor Limiting Neointima Formation and Myocardial Ischemia/Reperfusion Injury in Mice. <i>Journal of the American College of Cardiology</i> , 2010, 56, 1847-1857.	1.2	110
77	NADPH Oxidase Nox2 Is Required for Hypoxia-Induced Mobilization of Endothelial Progenitor Cells. <i>Circulation Research</i> , 2009, 105, 537-544.	2.0	105
78	Importance of Junctional Adhesion Molecule-C for Neointimal Hyperplasia and Monocyte Recruitment in Atherosclerosis-Prone Mice—Brief Report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 1161-1163.	1.1	32
79	Improved left ventricular function after transplantation of microspheres and fibroblasts in a rat model of myocardial infarction. <i>Basic Research in Cardiology</i> , 2009, 104, 403-411.	2.5	26
80	Disrupting functional interactions between platelet chemokines inhibits atherosclerosis in hyperlipidemic mice. <i>Nature Medicine</i> , 2009, 15, 97-103.	15.2	404
81	Transplantation of endothelial progenitor cells improves neovascularization and left ventricular function after myocardial infarction in a rat model. <i>Basic Research in Cardiology</i> , 2008, 103, 69-77.	2.5	106
82	C1-Esterase Inhibitor Protects Against Neointima Formation After Arterial Injury in Atherosclerosis-Prone Mice. <i>Circulation</i> , 2008, 117, 70-78.	1.6	54
83	Caffeine Enhances Endothelial Repair by an AMPK-Dependent Mechanism. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 1967-1974.	1.1	47
84	CXCR6 Promotes Atherosclerosis by Supporting T-Cell Homing, Interferon- γ Production, and Macrophage Accumulation in the Aortic Wall. <i>Circulation</i> , 2007, 116, 1801-1811.	1.6	114
85	Importance of CXC Chemokine Receptor 2 in the Homing of Human Peripheral Blood Endothelial Progenitor Cells to Sites of Arterial Injury. <i>Circulation Research</i> , 2007, 100, 590-597.	2.0	224
86	Ccr5 But Not Ccr1 Deficiency Reduces Development of Diet-Induced Atherosclerosis in Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007, 27, 373-379.	1.1	254
87	Y-Box Binding Protein-1 Controls CC Chemokine Ligand-5 (CCL5) Expression in Smooth Muscle Cells and Contributes to Neointima Formation in Atherosclerosis-Prone Mice. <i>Circulation</i> , 2007, 116, 1812-1820.	1.6	91
88	Vascular endothelial growth factor-A induces plaque expansion in ApoE knock-out mice by promoting de novo leukocyte recruitment. <i>Blood</i> , 2007, 109, 122-129.	0.6	73
89	Reduced numbers of circulating endothelial progenitor cells in patients with coronary artery disease associated with long-term statin treatment. <i>Atherosclerosis</i> , 2007, 192, 413-420.	0.4	135
90	Regulation of endothelial progenitor cell homing after arterial injury. <i>Thrombosis and Haemostasis</i> , 2007, 98, 274-277.	1.8	139

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91	Indium-111 oxine labelling affects the cellular integrity of haematopoietic progenitor cells. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2007, 34, 715-721.	3.3	52
92	Regulation of endothelial progenitor cell homing after arterial injury. <i>Thrombosis and Haemostasis</i> , 2007, 98, 274-7.	1.8	57
93	Deficiency in CCR5 but not CCR1 protects against neointima formation in atherosclerosis-prone mice: involvement of IL-10. <i>Blood</i> , 2006, 107, 4240-4243.	0.6	126
94	Effect of catheter-based transendocardial delivery of stromal cell-derived factor 1 α on left ventricular function and perfusion in a porcine model of myocardial infarction. <i>Basic Research in Cardiology</i> , 2006, 101, 69-77.	2.5	32
95	Importance of Junctional Adhesion Molecule-A for Neointimal Lesion Formation and Infiltration in Atherosclerosis-Prone Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, e10-3.	1.1	63
96	CD73/Ecto-5 α -Nucleotidase Protects Against Vascular Inflammation and Neointima Formation. <i>Circulation</i> , 2006, 113, 2120-2127.	1.6	128
97	Chemokines: Inflammatory mediators of atherosclerosis. <i>Archives of Physiology and Biochemistry</i> , 2006, 112, 229-238.	1.0	56
98	Transplantation of human umbilical vein endothelial cells improves left ventricular function in a rat model of myocardial infarction. <i>Basic Research in Cardiology</i> , 2005, 100, 208-216.	2.5	24
99	SDF-1 α /CXCR4 Axis Is Instrumental in Neointimal Hyperplasia and Recruitment of Smooth Muscle Progenitor Cells. <i>Circulation Research</i> , 2005, 96, 784-791.	2.0	345
100	Statin Treatment After Onset of Sepsis in a Murine Model Improves Survival. <i>Circulation</i> , 2005, 112, 117-124.	1.6	266
101	Involvement of JAM-A in Mononuclear Cell Recruitment on Inflamed or Atherosclerotic Endothelium. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005, 25, 729-735.	1.1	79
102	Neointimal Smooth Muscle Cells Display a Proinflammatory Phenotype Resulting in Increased Leukocyte Recruitment Mediated by P-Selectin and Chemokines. <i>Circulation Research</i> , 2004, 94, 776-784.	2.0	110
103	HMG-CoA Reductase Inhibitor Simvastatin Profoundly Improves Survival in a Murine Model of Sepsis. <i>Circulation</i> , 2004, 109, 2560-2565.	1.6	247
104	Crucial Role of the CCL2/CCR2 Axis in Neointimal Hyperplasia After Arterial Injury in Hyperlipidemic Mice Involves Early Monocyte Recruitment and CCL2 Presentation on Platelets. <i>Circulation Research</i> , 2004, 95, 1125-1133.	2.0	125
105	Transplantation of Fetal Cardiomyocytes into Infarcted Rat Hearts Results in Long-Term Functional Improvement. <i>Tissue Engineering</i> , 2004, 10, 849-864.	4.9	31
106	Blockade of Keratinocyte-Derived Chemokine Inhibits Endothelial Recovery and Enhances Plaque Formation After Arterial Injury in ApoE-Deficient Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004, 24, 1891-1896.	1.1	74