

Lorenz H Lehmann

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

2,772
citations

185998

28
h-index

189595

50
g-index

73
all docs

73
docs citations

73
times ranked

3838
citing authors

#	ARTICLE	IF	CITATIONS
1	The $\hat{\gamma}$ isoform of CaM kinase II is required for pathological cardiac hypertrophy and remodeling after pressure overload. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2342-2347.	3.3	378
2	HDAC4 controls histone methylation in response to elevated cardiac load. Journal of Clinical Investigation, 2013, 123, 1359-1370.	3.9	157
3	Cardiac CaM Kinase II Genes $\hat{\gamma}$ and $\hat{\beta}$ Contribute to Adverse Remodeling but Redundantly Inhibit Calcineurin-Induced Myocardial Hypertrophy. Circulation, 2014, 130, 1262-1273.	1.6	149
4	A Genetic Mouse Model Recapitulates Immune Checkpoint Inhibitor-Associated Myocarditis and Supports a Mechanism-Based Therapeutic Intervention. Cancer Discovery, 2021, 11, 614-625.	7.7	145
5	Selective repression of MEF2 activity by PKA-dependent proteolysis of HDAC4. Journal of Cell Biology, 2011, 195, 403-415.	2.3	124
6	Inhibition of Endothelial Notch Signaling Impairs Fatty Acid Transport and Leads to Metabolic and Vascular Remodeling of the Adult Heart. Circulation, 2018, 137, 2592-2608.	1.6	103
7	Ca ^M Kinase II mediates maladaptive post-infarct remodeling and pro-inflammatory chemoattractant signaling but not acute myocardial ischemia/reperfusion injury. EMBO Molecular Medicine, 2014, 6, 1231-1245.	3.3	94
8	Common mechanistic pathways in cancer and heart failure. A scientific roadmap on behalf of the Translational Research Committee of the Heart Failure Association of the European Society of Cardiology (HFA) of the European Society of Cardiology (ESC). European Journal of Heart Failure, 2020, 22, 2272-2289.	2.9	92
9	Relationship Between Cardiac Fibroblast Activation Protein Activity by Positron Emission Tomography and Cardiovascular Disease. Circulation: Cardiovascular Imaging, 2020, 13, e010628.	1.3	92
10	A proteolytic fragment of histone deacetylase 4 protects the heart from failure by regulating the hexosamine biosynthetic pathway. Nature Medicine, 2018, 24, 62-72.	15.2	88
11	O-GlcNAcylation of Histone Deacetylase 4 Protects the Diabetic Heart From Failure. Circulation, 2019, 140, 580-594.	1.6	77
12	Onco-Cardiology: Consensus Paper of the German Cardiac Society, the German Society for Pediatric Cardiology and Congenital Heart Defects and the German Society for Hematology and Medical Oncology. Clinical Research in Cardiology, 2020, 109, 1197-1222.	1.5	71
13	Advanced Echocardiography in Adult Zebrafish Reveals Delayed Recovery of Heart Function after Myocardial Cryoinjury. PLoS ONE, 2015, 10, e0122665.	1.1	69
14	Rapid and highly efficient inducible cardiac gene knockout in adult mice using AAV-mediated expression of Cre recombinase. Cardiovascular Research, 2014, 104, 15-23.	1.8	68
15	Clinical Strategy for the Diagnosis and Treatment of Immune Checkpoint Inhibitor-Associated Myocarditis. JAMA Cardiology, 2021, 6, 1329.	3.0	64
16	Histone deacetylase signaling in cardioprotection. Cellular and Molecular Life Sciences, 2014, 71, 1673-1690.	2.4	55
17	Early Detection of Checkpoint Inhibitor-Associated Myocarditis Using ⁶⁸ Ga-FAPI PET/CT. Frontiers in Cardiovascular Medicine, 2021, 8, 614997.	1.1	55
18	Heart-Specific Immune Responses in an Animal Model of Autoimmune-Related Myocarditis Mitigated by an Immunoproteasome Inhibitor and Genetic Ablation. Circulation, 2020, 141, 1885-1902.	1.6	53

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19	Ataxin-10 is part of a cachexokine cocktail triggering cardiac metabolic dysfunction in cancer cachexia. <i>Molecular Metabolism</i> , 2016, 5, 67-78.	3.0	51
20	Intercellular communication lessons in heart failure. <i>European Journal of Heart Failure</i> , 2015, 17, 1091-1103.	2.9	47
21	Inducible cardiomyocyte-specific deletion of CaM kinase II protects from pressure overload-induced heart failure. <i>Basic Research in Cardiology</i> , 2016, 111, 65.	2.5	44
22	Electrocardiographic Manifestations of Immune Checkpoint Inhibitor Myocarditis. <i>Circulation</i> , 2021, 144, 1521-1523.	1.6	44
23	The lipid-droplet-associated protein ABHD5 protects the heart through proteolysis of HDAC4. <i>Nature Metabolism</i> , 2019, 1, 1157-1167.	5.1	42
24	CaMKII activation participates in doxorubicin cardiotoxicity and is attenuated by moderate GRP78 overexpression. <i>PLoS ONE</i> , 2019, 14, e0215992.	1.1	38
25	Cardio-oncology: conflicting priorities of anticancer treatment and cardiovascular outcome. <i>Clinical Research in Cardiology</i> , 2018, 107, 271-280.	1.5	37
26	Oral treatment with a zinc complex of acetylsalicylic acid prevents diabetic cardiomyopathy in a rat model of type-2 diabetes: activation of the Akt pathway. <i>Cardiovascular Diabetology</i> , 2016, 15, 75.	2.7	32
27	Essential role of sympathetic endothelin A receptors for adverse cardiac remodeling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13499-13504.	3.3	30
28	Experimental ischaemic stroke induces transient cardiac atrophy and dysfunction. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2019, 10, 54-62.	2.9	30
29	The role of endothelin-1 in the sympathetic nervous system in the heart. <i>Life Sciences</i> , 2014, 118, 165-172.	2.0	28
30	Vorinostat in refractory soft tissue sarcomas – Results of a multi-centre phase II trial of the German Soft Tissue Sarcoma and Bone Tumour Working Group (AIO). <i>European Journal of Cancer</i> , 2016, 64, 74-82.	1.3	28
31	Nucleoside Diphosphate Kinase-C Suppresses cAMP Formation in Human Heart Failure. <i>Circulation</i> , 2017, 135, 881-897.	1.6	24
32	Comparative Transcriptomics of Immune Checkpoint Inhibitor Myocarditis Identifies Guanylate Binding Protein 5 and 6 Dysregulation. <i>Cancers</i> , 2021, 13, 2498.	1.7	23
33	Inhibition of apoptosis by the intrinsic but not the extrinsic apoptotic pathway in myocardial ischemia-reperfusion. <i>Cardiovascular Pathology</i> , 2013, 22, 280-286.	0.7	22
34	Preserved Norepinephrine Reuptake but Reduced Sympathetic Nerve Endings in Hypertrophic Volume-Overloaded Rat Hearts. <i>Journal of Cardiac Failure</i> , 2006, 12, 577-583.	0.7	20
35	Cardiac remodeling is not modulated by overexpression of muscle LIM protein (MLP). <i>Basic Research in Cardiology</i> , 2012, 107, 262.	2.5	20
36	Cardiovascular adverse events in multiple myeloma patients. <i>Journal of Thoracic Disease</i> , 2018, 10, S4296-S4305.	0.6	20

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37	High-sensitivity cardiac troponin T determines all-cause mortality in cancer patients: a single-centre cohort study. <i>ESC Heart Failure</i> , 2021, 8, 3709-3719.	1.4	19
38	Cerebral Microbleeds in Murine Amyloid Angiopathy. <i>Stroke</i> , 2017, 48, 2248-2254.	1.0	18
39	Pressure-volume analysis reveals characteristic sex-related differences in cardiac function in a rat model of aortic banding-induced myocardial hypertrophy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H502-H511.	1.5	18
40	Cancer—A Major Cardiac Comorbidity With Implications on Cardiovascular Metabolism. <i>Frontiers in Physiology</i> , 2021, 12, 729713.	1.3	18
41	Depletion of globosides and isoglobosides fully reverts the morphologic phenotype of Fabry disease.. <i>Cell and Tissue Research</i> , 2014, 358, 217-227.	1.5	16
42	Emerging role of immune checkpoint inhibitors and their relevance for the cardiovascular system. <i>Herz</i> , 2020, 45, 645-651.	0.4	16
43	Evidence for a cardiac metabolic switch in patients with Hodgkin's lymphoma. <i>ESC Heart Failure</i> , 2019, 6, 824-829.	1.4	14
44	Heat-shock-protein 90 protects from downregulation of HIF-1 α in calcineurin-induced myocardial hypertrophy. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 85, 117-126.	0.9	11
45	Myofilament Ca ²⁺ sensitivity correlates with left ventricular contractility during the progression of pressure overload-induced left ventricular myocardial hypertrophy in rats. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 129, 208-218.	0.9	11
46	Depletion of cardiac catecholamine stores impairs cardiac norepinephrine re-uptake by downregulation of the norepinephrine transporter. <i>PLoS ONE</i> , 2017, 12, e0172070.	1.1	10
47	Enzalutamide in Castration-Resistant Prostate Cancer. <i>New England Journal of Medicine</i> , 2018, 379, 1380-1381.	13.9	10
48	CaM kinase II regulates cardiac hemoglobin expression through histone phosphorylation upon sympathetic activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 22282-22287.	3.3	10
49	Epigenetic regulation of cardiac electrophysiology in atrial fibrillation: HDAC2 determines action potential duration and suppresses NRSF in cardiomyocytes. <i>Basic Research in Cardiology</i> , 2021, 116, 13.	2.5	9
50	A Patient With LEOPARD Syndrome and PTPN11 Mutation. <i>Circulation</i> , 2009, 119, 1328-1329.	1.6	8
51	Association of early electrical changes with cardiovascular outcomes in immune checkpoint inhibitor myocarditis. <i>Archives of Cardiovascular Diseases</i> , 2022, 115, 315-330.	0.7	7
52	A Minimal-Invasive Approach for Standardized Induction of Myocardial Infarction in Mice. <i>Circulation Research</i> , 2020, 127, 1214-1216.	2.0	6
53	Sickle cell disease, pulmonary hypertension, and sarcoidosis. <i>Annals of Hematology</i> , 2008, 87, 591-592.	0.8	5
54	The Heidelberg cardio-oncology unit (COUNT)—a possible blueprint for improved care of cardio-oncological patients. <i>Clinical Research in Cardiology</i> , 2022, 111, 227-229.	1.5	4

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55	Coronary artery disease, left ventricular function and cardiac biomarkers determine all-cause mortality in cancer patientsâ€”a large monocenter cohort study. <i>Clinical Research in Cardiology</i> , 2023, 112, 203-214.	1.5	4
56	Interstitial pneumonitis with accumulation of intraalveolar macrophages, a facet Amiodarone therapy. <i>Clinical Research in Cardiology</i> , 2008, 97, 917-920.	1.5	3
57	Aldosterone augments Na ⁺ -induced reduction of cardiac norepinephrine reuptake. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 307, H1169-H1177.	1.5	3
58	Histone deacetylase 4 deletion broadly affects cardiac epigenetic repression and regulates transcriptional susceptibility via H3K9 methylation. <i>Journal of Molecular and Cellular Cardiology</i> , 2022, 162, 119-129.	0.9	3
59	COVID-19-related severe MS exacerbation with life-threatening Takotsubo cardiomyopathy in a previously stable patient and interference of MS therapy with long-term immunity against SARS-CoV-2. <i>Journal of Neurology</i> , 2022, 269, 1138-1141.	1.8	3
60	Establishing an oncocardiology service. <i>Herz</i> , 2020, 45, 626-631.	0.4	2
61	The Authors reply: Comment on: â€œExperimental ischaemic stroke induces transient cardiac atrophyâ€”by Veltkamp et al.. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021, 12, 525-525.	2.9	1
62	Cardio-oncology imaging tools at the translational interface. <i>Journal of Molecular and Cellular Cardiology</i> , 2022, 168, 24-32.	0.9	1
63	Back to the vinyl age: a narrative report of a total computer blackout at a large university medical centre. <i>European Heart Journal Digital Health</i> , 2021, 2, 167-170.	0.7	0
64	Abstract 433: Disrupting the Interaction Between CaM Kinase II and Histone Deacetylase 4 - an Epigenetic Therapy for Heart Failure?. <i>Circulation Research</i> , 2015, 117, .	2.0	0
65	Abstract 15809: 68 Gallium Fibroblast Activating Protein Inhibitor Positron Emission Tomography is Able to Diagnose Checkpoint Inhibitor-induced Myocarditis. <i>Circulation</i> , 2020, 142, .	1.6	0
66	Abstract 15833: Immune Checkpoint Inhibitor Myocarditis Subtypes are Determined by a Cd8-dependent Transcriptional Program. <i>Circulation</i> , 2020, 142, .	1.6	0