

# Tibor Kempf

## List of Publications by Year in descending order

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88  
papers

8,481  
citations

47006

47  
h-index

45317

90  
g-index

95  
all docs

95  
docs citations

95  
times ranked

9081  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Transforming Growth Factor- $\beta$ 2 Superfamily Member Growth-Differentiation Factor-15 Protects the Heart From Ischemia/Reperfusion Injury. <i>Circulation Research</i> , 2006, 98, 351-360.	4.5	551
2	Prognostic Utility of Novel Biomarkers of Cardiovascular Stress. <i>Circulation</i> , 2012, 126, 1596-1604.	1.6	414
3	GDF-15 is an inhibitor of leukocyte integrin activation required for survival after myocardial infarction in mice. <i>Nature Medicine</i> , 2011, 17, 581-588.	30.7	411
4	Prognostic Utility of Growth Differentiation Factor-15 in Patients With Chronic Heart Failure. <i>Journal of the American College of Cardiology</i> , 2007, 50, 1054-1060.	2.8	397
5	Growth Differentiation Factor 15 as a Biomarker in Cardiovascular Disease. <i>Clinical Chemistry</i> , 2017, 63, 140-151.	3.2	380
6	Diagnostic and prognostic impact of six circulating microRNAs in acute coronary syndrome. <i>Journal of Molecular and Cellular Cardiology</i> , 2011, 51, 872-875.	1.9	350
7	Prognostic Value of Growth-Differentiation Factor-15 in Patients With Non- $\sigma$ ST-Elevation Acute Coronary Syndrome. <i>Circulation</i> , 2007, 115, 962-971.	1.6	327
8	Serial Measurement of Growth-Differentiation Factor-15 in Heart Failure. <i>Circulation</i> , 2010, 122, 1387-1395.	1.6	272
9	Circulating Concentrations of Growth-Differentiation Factor 15 in Apparently Healthy Elderly Individuals and Patients with Chronic Heart Failure as Assessed by a New Immunoradiometric Sandwich Assay. <i>Clinical Chemistry</i> , 2007, 53, 284-291.	3.2	245
10	Incidence and clinical relevance of supraventricular tachyarrhythmias in pulmonary hypertension. <i>American Heart Journal</i> , 2007, 153, 127-132.	2.7	243
11	Growth-differentiation factor-15 is an independent marker of cardiovascular dysfunction and disease in the elderly: results from the Prospective Investigation of the Vasculature in Uppsala Seniors (PIVUS) Study. <i>European Heart Journal</i> , 2009, 30, 2346-2353.	2.2	206
12	Growth Differentiation Factor 15 for Risk Stratification and Selection of an Invasive Treatment Strategy in Non- $\sigma$ ST-Elevation Acute Coronary Syndrome. <i>Circulation</i> , 2007, 116, 1540-1548.	1.6	203
13	Transsignaling of Interleukin-6 Crucially Contributes to Atherosclerosis in Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 281-290.	2.4	203
14	Growth-differentiation factor-15 improves risk stratification in ST-segment elevation myocardial infarction. <i>European Heart Journal</i> , 2007, 28, 2858-2865.	2.2	193
15	Bone marrow cells are a rich source of growth factors and cytokines: implications for cell therapy trials after myocardial infarction. <i>European Heart Journal</i> , 2008, 29, 2851-2858.	2.2	191
16	Myeloid-derived growth factor (C19orf10) mediates cardiac repair following myocardial infarction. <i>Nature Medicine</i> , 2015, 21, 140-149.	30.7	168
17	Growth Differentiation Factor-15 for Prognostic Assessment of Patients with Acute Pulmonary Embolism. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008, 177, 1018-1025.	5.6	158
18	Attenuation of cardiac remodeling after myocardial infarction by muscle LIM protein-calcineurin signaling at the sarcomeric Z-disc. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 1655-1660.	7.1	143

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19	Growth Differentiation Factor-15 and Risk of Recurrent Events in Patients Stabilized After Acute Coronary Syndrome. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 203-210.	2.4	138
20	Growth Differentiation Factor-15 in Idiopathic Pulmonary Arterial Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008, 178, 534-541.	5.6	134
21	Growth differentiation factor 15 predicts future insulin resistance and impaired glucose control in obese nondiabetic individuals: results from the XENDOS trial. <i>European Journal of Endocrinology</i> , 2012, 167, 671-678.	3.7	134
22	Deficiency of liver sinusoidal scavenger receptors stabilin-1 and -2 in mice causes glomerulofibrotic nephropathy via impaired hepatic clearance of noxious blood factors. <i>Journal of Clinical Investigation</i> , 2011, 121, 703-714.	8.2	133
23	Iron-regulatory proteins secure iron availability in cardiomyocytes to prevent heart failure. <i>European Heart Journal</i> , 2016, 38, ehw333.	2.2	115
24	Growth-Differentiation Factor-15 for Risk Stratification in Patients With Stable and Unstable Coronary Heart Disease. <i>Circulation: Cardiovascular Genetics</i> , 2009, 2, 286-292.	5.1	113
25	Clinical and Genetic Correlates of Growth Differentiation Factor 15 in the Community. <i>Clinical Chemistry</i> , 2012, 58, 1582-1591.	3.2	106
26	Early albumin infusion improves global and local hemodynamics and reduces inflammatory response in hemorrhagic shock. <i>Critical Care Medicine</i> , 2002, 30, 851-855.	0.9	100
27	Multiple marker approach to risk stratification in patients with stable coronary artery disease. <i>European Heart Journal</i> , 2010, 31, 3024-3031.	2.2	97
28	Change in Growth Differentiation Factor 15 Concentrations over Time Independently Predicts Mortality in Community-Dwelling Elderly Individuals. <i>Clinical Chemistry</i> , 2013, 59, 1091-1098.	3.2	96
29	Growth Differentiation Factor 15 in Heart Failure: An Update. <i>Current Heart Failure Reports</i> , 2012, 9, 337-345.	3.3	95
30	Biomarkers of Cardiovascular Stress and Incident Chronic Kidney Disease. <i>Clinical Chemistry</i> , 2013, 59, 1613-1620.	3.2	91
31	Adjustment of the GRACE score by growth differentiation factor 15 enables a more accurate appreciation of risk in non-ST-elevation acute coronary syndrome. <i>European Heart Journal</i> , 2012, 33, 1095-1104.	2.2	88
32	Growth-Differentiation Factor-15 for Long-Term Risk Prediction in Patients Stabilized After an Episode of Nonâ€“ST-Segmentâ€“Elevation Acute Coronary Syndrome. <i>Circulation: Cardiovascular Genetics</i> , 2010, 3, 88-96.	5.1	82
33	GDF-15 is abundantly expressed in plexiform lesions in patients with pulmonary arterial hypertension and affects proliferation and apoptosis of pulmonary endothelial cells. <i>Respiratory Research</i> , 2011, 12, 62.	3.6	80
34	A simple non-invasive diagnostic algorithm for ruling out chronic thromboembolic pulmonary hypertension in patients after acute pulmonary embolism. <i>Thrombosis Research</i> , 2011, 128, 21-26.	1.7	76
35	Growth differentiation factor-15 as a prognostic biomarker in ovarian cancer. <i>Gynecologic Oncology</i> , 2010, 118, 237-243.	1.4	74
36	Alterations of systemic and muscle iron metabolism in human subjects treated with low-dose recombinant erythropoietin. <i>Blood</i> , 2009, 113, 6707-6715.	1.4	70

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37	Downregulation of Cytoskeletal Muscle LIM Protein by Nitric Oxide. <i>Circulation</i> , 2003, 107, 1424-1432.	1.6	69
38	Early invasive versus non-invasive treatment in patients with non-ST-elevation acute coronary syndrome (FRISC-II): 15 year follow-up of a prospective, randomised, multicentre study. <i>Lancet</i> , The, 2016, 388, 1903-1911.	13.7	68
39	Growth-differentiation factor-15 for early risk stratification in patients with acute chest pain. <i>European Heart Journal</i> , 2008, 29, 2327-2335.	2.2	66
40	Growth-Differentiation Factor-15 in Heart Failure. <i>Heart Failure Clinics</i> , 2009, 5, 537-547.	2.1	64
41	Circulating Concentrations of Follistatin-Like 1 in Healthy Individuals and Patients with Acute Coronary Syndrome as Assessed by an Immunoluminometric Sandwich Assay. <i>Clinical Chemistry</i> , 2009, 55, 1794-1800.	3.2	63
42	Elevated Plasma Growth Differentiation Factor-15 Correlates with Lymph Node Metastases and Poor Survival in Endometrial Cancer. <i>Clinical Cancer Research</i> , 2011, 17, 4825-4833.	7.0	61
43	Conditional Transgenic Expression of Fibroblast Growth Factor 9 in the Adult Mouse Heart Reduces Heart Failure Mortality After Myocardial Infarction. <i>Circulation</i> , 2011, 123, 504-514.	1.6	60
44	Improving long-term risk prediction in patients with acute chest pain: The Global Registry of Acute Coronary Events (GRACE) risk score is enhanced by selected nonnecrosis biomarkers. <i>American Heart Journal</i> , 2010, 160, 88-94.	2.7	58
45	Anti-inflammatory mechanisms and therapeutic opportunities in myocardial infarct healing. <i>Journal of Molecular Medicine</i> , 2012, 90, 361-369.	3.9	57
46	Heme oxygenase-1 inhibition of MAP kinases, calcineurin/NFAT signaling, and hypertrophy in cardiac myocytes. <i>Cardiovascular Research</i> , 2004, 63, 545-552.	3.8	55
47	Circulating and Placental Growth-Differentiation Factor 15 in Preeclampsia and in Pregnancy Complicated by Diabetes Mellitus. <i>Hypertension</i> , 2009, 54, 106-112.	2.7	55
48	Incremental Prognostic Value of Biomarkers beyond the GRACE (Global Registry of Acute Coronary) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 <i>Clinical Chemistry</i> , 2013, 59, 1497-1505.	3.2	50
49	Biomarkers for characterization of heart failure â€œ Distinction of heart failure with preserved and reduced ejection fraction. <i>International Journal of Cardiology</i> , 2017, 227, 272-277.	1.7	49
50	Leukocyte integrin activation and deactivation: novel mechanisms of balancing inflammation. <i>Journal of Molecular Medicine</i> , 2012, 90, 353-359.	3.9	48
51	Nitric oxide and the enigma of cardiac hypertrophy. <i>BioEssays</i> , 2004, 26, 608-615.	2.5	46
52	Identification of Follistatin-Like 1 by Expression Cloning as an Activator of the Growth Differentiation Factor 15 Gene and a Prognostic Biomarker in Acute Coronary Syndrome. <i>Clinical Chemistry</i> , 2012, 58, 1233-1241.	3.2	46
53	Growth Differentiation Factor-15: a New Biomarker in Cardiovascular Disease. <i>Herz</i> , 2009, 34, 594-599.	1.1	45
54	Risk scores and biomarkers for the prediction of 1-year outcome after transcatheter aortic valve replacement. <i>American Heart Journal</i> , 2015, 170, 821-829.	2.7	43

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55	Haeme oxygenase promotes progenitor cell mobilization, neovascularization, and functional recovery after critical hindlimb ischaemia in mice. <i>Cardiovascular Research</i> , 2008, 78, 294-300.	3.8	38
56	One-year outcomes with the HeartMate 3 left ventricular assist device. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 156, 662-669.	0.8	38
57	Growth Differentiation Factor 15 Plasma Levels and Outcome after Ischemic Stroke. <i>Cerebrovascular Diseases</i> , 2011, 32, 72-78.	1.7	35
58	Relations of growth-differentiation factor-15 to biomarkers reflecting vascular pathologies in a population-based sample of elderly subjects. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2012, 72, 45-51.	1.2	35
59	Growth-differentiation factor 15 for long-term prognostication in patients with non-ST-elevation acute coronary syndrome: An Invasive versus Conservative Treatment in Unstable coronary Syndromes (ICTUS) substudy. <i>International Journal of Cardiology</i> , 2014, 172, 356-363.	1.7	35
60	An Automated Assay for Growth Differentiation Factor 15. <i>journal of applied laboratory medicine, The</i> , 2017, 1, 510-521.	1.3	35
61	Cardiac iron concentration in relation to systemic iron status and disease severity in non-ischaemic heart failure with reduced ejection fraction. <i>European Journal of Heart Failure</i> , 2020, 22, 2038-2046.	7.1	32
62	Clâ€ Esteraseâ€ Inhibitor Treatment at Early Reperfusion of Hemorrhagic Shock Reduces Mesentery Leukocyte Adhesion and Rolling. <i>Microcirculation</i> , 2001, 8, 427-433.	1.8	30
63	Plastic Foil Technique Attenuates Inflammation in Mesenteric Intravital Microscopy. <i>Journal of Surgical Research</i> , 2000, 94, 28-34.	1.6	27
64	Biomarkers of Cardiovascular Stress and Subclinical Atherosclerosis in the Community. <i>Clinical Chemistry</i> , 2014, 60, 1402-1408.	3.2	24
65	Highly Specific Detection of Myostatin Prodomain by an Immunoradiometric Sandwich Assay in Serum of Healthy Individuals and Patients. <i>PLoS ONE</i> , 2013, 8, e80454.	2.5	24
66	Serum hepcidin levels and muscle iron proteins in humans injected with lowâ€ or highâ€ dose erythropoietin. <i>European Journal of Haematology</i> , 2013, 91, 74-84.	2.2	23
67	Circulating concentrations of fibroblast activation protein 1± in apparently healthy individuals and patients with acute coronary syndrome as assessed by sandwich ELISA. <i>International Journal of Cardiology</i> , 2013, 168, 3926-3931.	1.7	22
68	Oral iron supplementation with ferric maltol in patients with pulmonary hypertension. <i>European Respiratory Journal</i> , 2020, 56, 2000616.	6.7	22
69	Expression and clinical role of growth differentiation factor-15 in ovarian carcinoma effusions. <i>International Journal of Gynecological Cancer</i> , 2010, 20, 1448-55.	2.5	21
70	PLASMA PROTEIN LOSS DURING SURGERY: BENEFICIAL EFFECTS OF ALBUMIN SUBSTITUTION. <i>Shock</i> , 2001, 16, 9-14.	2.1	20
71	Evaluation of Temporal Changes in Cardiovascular Biomarker Concentrations Improves Risk Prediction in an Elderly Population from the Community. <i>Clinical Chemistry</i> , 2016, 62, 485-493.	3.2	17
72	GDFâ€ 15 in heart failure: providing insight into endâ€ organ dysfunction and its recovery?. <i>European Journal of Heart Failure</i> , 2012, 14, 1191-1193.	7.1	13

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73	Plasma Concentrations of Myeloid-Derived Growth Factor in Healthy Individuals and Patients with Acute Myocardial Infarction as Assessed by Multiple Reaction Monitoring-Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 1302-1308.	6.5	13
74	Intermediate CD14 <sup>++</sup> CD16 <sup>+</sup> monocytes decline after transcatheter aortic valve replacement and correlate with functional capacity and left ventricular systolic function. <i>PLoS ONE</i> , 2017, 12, e0183670.	2.5	12
75	Risk stratification in critically ill patients: GDF-15 scores in adult respiratory distress syndrome. <i>Critical Care</i> , 2013, 17, 173.	5.8	11
76	Midregional proadrenomedullin and growth differentiation factor-15 are not influenced by obesity in heart failure patients. <i>Clinical Research in Cardiology</i> , 2017, 106, 401-410.	3.3	11
77	Iron and atherosclerosis: too much of a good thing can be bad. <i>European Heart Journal</i> , 2020, 41, 2696-2698.	2.2	7
78	Travelling with heart failure: risk assessment and practical recommendations. <i>Nature Reviews Cardiology</i> , 2022, 19, 302-313.	13.7	7
79	Mid-term results of interventional closure of patent foramen ovale with the Occlutech Figulla <sup>®</sup> Flex II Occluder. <i>BMC Cardiovascular Disorders</i> , 2016, 16, 217.	1.7	6
80	Iron supplementation in acute heart failure: energize your life. <i>European Heart Journal</i> , 2021, 42, 3021-3022.	2.2	6
81	Fulminant parvovirus B19 myocarditis after chemotherapy: full recovery after antiviral therapy with tenofovir. <i>Clinical Research in Cardiology</i> , 2022, 111, 233-236.	3.3	5
82	Anti-Inflammatory Treatment with Standardized Human Serum Protein Solution Reduces Local and Systemic Inflammatory Response after Hemorrhagic Shock. <i>European Surgical Research</i> , 2006, 38, 399-406.	1.3	3
83	Advanced Preconditioning: Impella 5.5 Support for Decompensated Heart Failure Before Left Ventricular Assist Device Surgery. <i>Cardiovascular Revascularization Medicine</i> , 2021, 28, 189-192.	0.8	3
84	Single coronary artery anomaly with interarterial left main: caught inbetween. <i>European Heart Journal</i> , 2015, 36, 762-762.	2.2	2
85	A mouse model of cardiogenic shock. <i>Cardiovascular Research</i> , 2021, 117, 2414-2415.	3.8	2
86	Novel self-expanding ALLEGRA transcatheter aortic valve for native aortic stenosis and degenerated bioprosthesis. <i>Catheterization and Cardiovascular Interventions</i> , 2022, 99, 1234-1242.	1.7	2
87	Inter- and Intracellular Mechanisms of Cardiac Remodeling, Hypertrophy and Dysfunction. <i>Cardiovascular Medicine</i> , 2019, , 39-56.	0.0	1
88	Two vascular arteriovenous malformations with left-to-right shunting and right-heart failure in a single patient. <i>International Journal of Cardiology</i> , 2011, 149, e69-e71.	1.7	0