Constantinos H Davos

List of Publications by Year
in descending order

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103 papers	12,397 citations	61984 43 h-index	36028 97 g-index
105 all docs	105 docs citations	105 times ranked	12371 citing authors

#	Article	IF	Citations
1	2014 ESC Guidelines on the diagnosis and management of acute pulmonary embolism. European Heart Journal, 2014, 35, 3033-3080.	2.2	2,591
2	2021 ESC Guidelines on cardiovascular disease prevention in clinical practice. European Heart Journal, 2021, 42, 3227-3337.	2.2	2,517
3	Plasma Cytokine Parameters and Mortality in Patients With Chronic Heart Failure. Circulation, 2000, 102, 3060-3067.	1.6	723
4	Exercise training meta-analysis of trials in patients with chronic heart failure (ExTraMATCH). BMJ: British Medical Journal, 2004, 328, 189-0.	2.3	580
5	Uric Acid and Survival in Chronic Heart Failure. Circulation, 2003, 107, 1991-1997.	1.6	532
6	Secondary prevention through comprehensive cardiovascular rehabilitation: From knowledge to implementation. 2020 update. A position paper from the Secondary Prevention and Rehabilitation Section of the European Association of Preventive Cardiology. European Journal of Preventive Cardiology, 2021, 28, 460-495.	1.8	388
7	The relationship between cholesterol and survival in patients with chronic heart failure. Journal of the American College of Cardiology, 2003, 42, 1933-1940.	2.8	361
8	Enhanced Ventilatory Response to Exercise in Patients With Chronic Heart Failure and Preserved Exercise Tolerance. Circulation, 2001, 103, 967-972.	1.6	348
9	Body mass and survival in patients with chronic heart failure without cachexia: The importance of obesity. Journal of Cardiac Failure, 2003, 9, 29-35.	1.7	281
10	The prognostic effect of cardiac rehabilitation in the era of acute revascularisation and statin therapy: A systematic review and meta-analysis of randomized and non-randomized studies â€“ The Cardiac Rehabilitation Outcome Study (CROS). European Journal of Preventive Cardiology, 2016, 23, 1914-1939.	1.8	257
11	2021 ESC Guidelines on cardiovascular disease prevention in clinical practice. European Journal of Preventive Cardiology, 2022, 29, 5-115.	1.8	220
12	Impact of Exercise Rehabilitation on Exercise Capacity and Quality-of-Life in Heart Failure. Journal of the American College of Cardiology, 2019, 73, 1430-1443.	2.8	172
13	Frailty and cardiac rehabilitation: A call to action from the EAPC Cardiac Rehabilitation Section. European Journal of Preventive Cardiology, 2017, 24, 577-590.	1.8	161
14	The European Association of Preventive Cardiology Exercise Prescription in Everyday Practice and Rehabilitative Training (EXPERT) tool: A digital training and decision support system for optimized exercise prescription in cardiovascular disease. Concept, definitions and construction methodology. European Journal of Preventive Cardiology, 2017, 24, 1017-1031.	1.8	141
15	Effectiveness of comprehensive cardiac rehabilitation in coronary artery disease patients treated according to contemporary evidence based medicine: Update of the Cardiac Rehabilitation Outcome Study (CROS-II). European Journal of Preventive Cardiology, 2020, 27, 1756-1774.	1.8	140
16	Exercise Prescription in Patients with Different Combinations of Cardiovascular Disease Risk Factors: A Consensus Statement from the EXPERT Working Group. Sports Medicine, 2018, 48, 1781-1797.	6.5	126
17	Impact of exerciseâ€based cardiac rehabilitation in patients with heart failure (ExTraMATCH II) on mortality and hospitalisation: an individual patient data metaâ€analysis of randomised trials. European Journal of Heart Failure, 2018, 20, 1735-1743.	7.1	125
18	Exercise intensity assessment and prescription in cardiovascular rehabilitation and beyond: why and how: a position statement from the Secondary Prevention and Rehabilitation Section of the European Association of Preventive Cardiology. European Journal of Preventive Cardiology, 2022, 29, 230-245.	1.8	111

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19	Muscle Metaboreflex-Induced Increases in Stroke Volume. Medicine and Science in Sports and Exercise, 2003, 35, 221-228.	0.4	108
20	Empagliflozin Limits Myocardial Infarction in Vivo and Cell Death in Vitro: Role of STAT3, Mitochondria, and Redox Aspects. Frontiers in Physiology, 2017, 8, 1077.	2.8	100
21	Tumor necrosis factor-Î± confers cardioprotection through ectopic expression of keratins K8 and K18. Nature Medicine, 2015, 21, 1076-1084.	30.7	93
22	Toll-Like Receptor 7 Protects From Atherosclerosis by Constraining â€œInflammatoryâ€•Macrophage Activation. Circulation, 2012, 126, 952-962.	1.6	92
23	Usefulness of Natriuretic Peptide Levels to Predict Mortality in Adults With Congenital Heart Disease. American Journal of Cardiology, 2010, 105, 869-873.	1.6	91
24	Uric acid in cachectic and noncachectic patients with chronic heart failure: Relationship to leg vascular resistance. American Heart Journal, 2001, 141, 792-799.	2.7	90
25	Statin use and survival in patients with chronic heart failure â€” results from two observational studies with 5200 patients. International Journal of Cardiology, 2006, 112, 234-242.	1.7	90
26	Exercise training in patients with ventricular assist devices: a review of the evidence and practical advice. A position paper from the Committee on Exercise Physiology and Training and the Committee of Advanced Heart Failure of the Heart Failure Association of the European Society of Cardiology. European Journal of Heart Failure, 2019, 21, 3-13.	7.1	84
27	Molecular mechanisms of carfilzomib-induced cardiotoxicity in mice and the emerging cardioprotective role of metformin. Blood, 2019, 133, 710-723.	1.4	82
28	Regulation of adverse remodelling by osteopontin in a genetic heart failure model. European Heart Journal, 2012, 33, 1954-1963.	2.2	80
29	HIGH TUMOUR NECROSIS FACTOR-Î± LEVELS ARE ASSOCIATED WITH EXERCISE INTOLERANCE AND NEUROHORMONAL ACTIVATION IN CHRONIC HEART FAILURE PATIENTS. Cytokine, 2001, 15, 80-86.	3.2	77
30	Exercise-based cardiac rehabilitation in twelve European countries results of the European cardiac rehabilitation registry. International Journal of Cardiology, 2017, 228, 58-67.	1.7	70
31	Skeletal Muscle Reflex in Heart Failure Patients. Circulation, 2003, 107, 300-306.	1.6	69
32	Chemical Mediators of the Muscle Ergoreflex in Chronic Heart Failure. Circulation, 2002, 106, 214-220.	1.6	67
33	Desmin mediates TNF-Î±â€“induced aggregate formation and intercalated disk reorganization in heart failure. Journal of Cell Biology, 2008, 181, 761-775.	5.2	62
34	Desmin and Î±B-crystallin interplay in maintenance of mitochondrial homeostasis and cardiomyocyte survival. Journal of Cell Science, 2016, 129, 3705-3720.	2.0	59
35	Standardization and quality improvement of secondary prevention through cardiovascular rehabilitation programmes in Europe: The avenue towards EAPC accreditation programme: A position statement of the Secondary Prevention and Rehabilitation Section of the European Association of Preventive Cardiology (EAPC). European Journal of Preventive Cardiology, 2021, 28, 496-509.	1.8	57
36	Global Impairment of Cardiac Autonomic Nervous Activity Late After Repair of Tetralogy of Fallot. Circulation, 2002, 106, .	1.6	51

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37	Chronic heart failure in the very elderly: Clinical status, survival, and prognostic factors in 188 patients more than 70 years old. American Heart Journal, 2001, 142, 174-180.	2.7	50
38	Global Impairment of Cardiac Autonomic Nervous Activity Late After the Fontan Operation. Circulation, 2003, 108, 180II–185.	1.6	48
39	Validation of Exercise Capacity as a Surrogate Endpoint in Exercise-Based Rehabilitation for Heart Failure. JACC: Heart Failure, 2018, 6, 596-604.	4.1	47
40	Effectiveness of Home-Based Cardiac Rehabilitation, Using Wearable Sensors, as a Multicomponent, Cutting-Edge Intervention: A Systematic Review and Meta-Analysis. Journal of Clinical Medicine, 2022, 11, 3772.	2.4	47
41	Ischaemic preconditioning protects against myocardial dysfunction caused by ischaemia in isolated hypertrophied rat hearts. Basic Research in Cardiology, 1996, 91, 444-449.	5.9	46
42	Global impairment of cardiac autonomic nervous activity late after repair of tetralogy of Fallot. Circulation, 2002, 106, I69-75.	1.6	46
43	Cardiovascular phenotype of mice lacking 3-mercaptopyruvate sulfurtransferase. Biochemical Pharmacology, 2020, 176, 113833.	4.4	45
44	Prediction of mortality in chronic heart failure from peak oxygen consumption adjusted for either body weight or lean tissue. Journal of Cardiac Failure, 2004, 10, 421-426.	1.7	44
45	Psychological consequences among adults following the 1999 earthquake in Athens, Greece. Disasters, 2008, 32, 280-291.	2.2	44
46	Chronic Empagliflozin Treatment Reduces Myocardial Infarct Size in Nondiabetic Mice Through STAT-3-Mediated Protection on Microvascular Endothelial Cells and Reduction of Oxidative Stress. Antioxidants and Redox Signaling, 2021, 34, 551-571.	5.4	44
47	Challenges in secondary prevention of cardiovascular diseases. International Journal of Cardiology, 2015, 180, 114-119.	1.7	43
48	Complement system modulation as a target for treatment of arrhythmogenic cardiomyopathy. Basic Research in Cardiology, 2015, 110, 27.	5.9	38
49	Exercise-based cardiac rehabilitation for chronic heart failure: the EXTRAMATCH II individual participant data meta-analysis. Health Technology Assessment, 2019, 23, 1-98.	2.8	34
50	Levosimendan prevents doxorubicin-induced cardiotoxicity in time- and dose-dependent manner: implications for inotropy. Cardiovascular Research, 2020, 116, 576-591.	3.8	32
51	Amelioration of desmin network defects by Î±B-crystallin overexpression confers cardioprotection in a mouse model of dilated cardiomyopathy caused by LMNA gene mutation. Journal of Molecular and Cellular Cardiology, 2018, 125, 73-86.	1.9	31
52	Heart transplantation in heart failure: The prognostic importance of body mass index at time of surgery and subsequent weight changes. European Journal of Heart Failure, 2007, 9, 839-844.	7.1	30
53	Local Hemodynamics and Intimal Hyperplasia at the Venous Side of a Porcine Arteriovenous Shunt. IEEE Transactions on Information Technology in Biomedicine, 2010, 14, 681-690.	3.2	30
54	Thrombolysis in Acute Lower Limb Ischemia: Review of the Current Literature. Annals of Vascular Surgery, 2018, 52, 255-262.	0.9	30

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55	The importance of return to work: How to achieve optimal reintegration in ACS patients. European Journal of Preventive Cardiology, 2019, 26, 1358-1369.	1.8	27
56	GuÃa ESC 2021 sobre la prevenciÃ³n de la enfermedad cardiovascular en la prÃ¡ctica clÃnica. Revista Espanola De Cardiologia, 2022, 75, 429.e1-429.e104.	1.2	27
57	Putative contribution of prostaglandin and bradykinin to muscle reflex hyperactivity in patients on Ace-inhibitor therapy for chronic heart failure. European Heart Journal, 2004, 25, 1806-1813.	2.2	25
58	European Society of Cardiology Quality Indicators for Cardiovascular Disease Prevention: developed by the Working Group for Cardiovascular Disease Prevention Quality Indicators in collaboration with the European Association for Preventive Cardiology of the European Society of Cardiology. European Journal of Preventive Cardiology, 2022, 29, 1060-1071.	1.8	25
59	Peptideâ€“Drug Conjugate GnRHâ€“Sunitinib Targets Angiogenesis Selectively at the Site of Action to Inhibit Tumor Growth. Cancer Research, 2016, 76, 1181-1192.	0.9	24
60	Elevated expression of mechanosensory polycystins in human carotid atherosclerotic plaques: association with p53 activation and disease severity. Scientific Reports, 2015, 5, 13461.	3.3	22
61	Hemodynamic effects of high intensity interval training in COPD patients exhibiting exercise-induced dynamic hyperinflation. Respiratory Physiology and Neurobiology, 2015, 217, 8-16.	1.6	21
62	Opposite effects of catalase and MnSOD ectopic expression on stress induced defects and mortality in the desmin deficient cardiomyopathy model. Free Radical Biology and Medicine, 2017, 110, 206-218.	2.9	20
63	Delphi consensus recommendations on how to provide cardiovascular rehabilitation in the COVID-19 era. European Journal of Preventive Cardiology, 2021, 28, 541-557.	1.8	20
64	Assessment of the classification capability of prediction and approximation methods for HRV analysis. Computers in Biology and Medicine, 2007, 37, 642-654.	7.0	19
65	Efficacy, efficiency and safety of a cardiac telerehabilitation programme using wearable sensors in patients with coronary heart disease: the TELEWEAR-CR study protocol. BMJ Open, 2022, 12, e059945.	1.9	17
66	Neurohormonal activity and vascular properties late after aortic coarctation repair. International Journal of Cardiology, 2012, 159, 211-216.	1.7	16
67	Carotid Artery Motion Estimation From Sequences of B-Mode Ultrasound Images: Effect of Scanner Settings and Image Normalization. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 2102-2112.	4.7	14
68	Impaired calcium homeostasis is associated with sudden cardiac death and arrhythmias in a genetic equivalent mouse model of the human HRC-Ser96Ala variant. Cardiovascular Research, 2017, 113, 1403-1417.	3.8	14
69	Regional differences in exercise training implementation in heart failure: findings from the Exercise Training in Heart Failure (ExTraHF) survey. European Journal of Heart Failure, 2019, 21, 1142-1148.	7.1	14
70	Diverse Radiofrequency Sensitivity and Radiofrequency Effects of Mobile or Cordless Phone near Fields Exposure in Drosophila melanogaster. PLoS ONE, 2014, 9, e112139.	2.5	12
71	Desmin is essential for the structure and function of the sinoatrial node: implications for increased arrhythmogenesis. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 319, H557-H570.	3.2	11
72	Galectin-3 interferes with tissue repair and promotes cardiac dysfunction and comorbidities in a genetic heart failure model. Cellular and Molecular Life Sciences, 2022, 79, 250.	5.4	10

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73	The effects of exercise training on cardiac matrix metalloproteinases activity and cardiac function in mice with diabetic cardiomyopathy. Biochemical and Biophysical Research Communications, 2022, 586, 8-13.	2.1	9
74	Cardiopulmonary assessment prior to returning to high-hazard occupations post-symptomatic COVID-19 infection: a position statement of the Aviation and Occupational Cardiology Task Force of the European Association of Preventive Cardiology. European Journal of Preventive Cardiology, 2022, 29, 1724-1730.	1.8	9
75	Heart rate turbulence in adults with repaired tetralogy of Fallot. International Journal of Cardiology, 2009, 135, 308-314.	1.7	8
76	Crosstalk between coagulation and complement activation promotes cardiac dysfunction in arrhythmogenic right ventricular cardiomyopathy. Theranostics, 2021, 11, 5939-5954.	10.0	8
77	Comprehensive multicomponent cardiac rehabilitation in cardiac implantable electronic devices recipients: a consensus document from the European Association of Preventive Cardiology (EAPC;) Tj ETQq1 1 0.784314 rgBT /Overlock European Journal of Preventive Cardiology, 2021, 28, 1736-1752.	1.8	8
78	Elucidating Carfilzomibâ€™s Induced Cardiotoxicity in an In Vivo Model of Aging: Prophylactic Potential of Metformin. International Journal of Molecular Sciences, 2021, 22, 10956.	4.1	8
79	Neurohormonal and cytokine fluctuations following transcatheter closure for an atrial septal defect. Cytokine, 2012, 57, 130-135.	3.2	6
80	Cyclic stroke mortality variations follow sunspot patterns. F1000Research, 2020, 9, 1088.	1.6	6
81	Cardiac autonomic nervous activity in adults with coarctation of the aorta late after repair. International Journal of Cardiology, 2014, 173, 566-568.	1.7	5
82	Neurohormones, cytokines, and aortic function in children with repaired coarctation of the aorta. International Journal of Cardiology, 2014, 172, e26-e27.	1.7	5
83	A contemporary cross-sectional study on dyslipidemia management, cardiovascular risk status, and patients' quality of life in Greece: The CHALLENGE study. International Journal of Cardiology, 2016, 217, 183-189.	1.7	5
84	Combined Type III and Type II Endoleaks after Endovascular Aneurysm Repair: Presentation of 2 Cases and a Literature Review. Annals of Vascular Surgery, 2019, 55, 308.e5-308.e10.	0.9	5
85	Comprehensive multicomponent cardiac rehabilitation in cardiac implantable electronic devices recipients: a consensus document from the European Association of Preventive Cardiology (EAPC;) Tj ETQq1 1 0.784314 rgBT /Overlock Europace, 2021, 23, 1336-1337o.	1.7	5
86	Future of preventive cardiology: EAPC vision 2020â€“22. European Journal of Preventive Cardiology, 2021, 28, 356-358.	1.8	5
87	Targeting of the breast cancer microenvironment with a potent and linkable oxindole based antiangiogenic small molecule. Oncotarget, 2017, 8, 37250-37262.	1.8	5
88	Protein tyrosine phosphatase receptor-Î¶1 deletion triggers defective heart morphogenesis in mice and zebrafish. American Journal of Physiology - Heart and Circulatory Physiology, 2022, 322, H8-H24.	3.2	5
89	Seeking best practices for cardiac rehabilitation registries in Europe. European Journal of Preventive Cardiology, 2017, 24, 1925-1926.	1.8	4
90	Do we have to reconsider the guidelines for exercise intensity determination in cardiovascular rehabilitation?. European Journal of Preventive Cardiology, 2019, 26, 1918-1920.	1.8	4

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91	The Interplay between Myocardial Fibrosis, Strain Imaging and Collagen Biomarkers in Adults with Repaired Tetralogy of Fallot. Diagnostics, 2021, 11, 2101.	2.6	4
92	Carotid Artery Motion Estimation from Sequences of B-mode Ultrasound Images: Effect of Dynamic Range and Persistence. , 0, , .		3
93	Early shear stress signaling on vascular endothelium by a modified partial carotid ligation model. International Journal of Cardiology, 2011, 152, 413-416.	1.7	3
94	Determining exercise training responders through inflammatory status in heart failure. European Journal of Preventive Cardiology, 2017, 24, 1015-1016.	1.8	3
95	Exercise training for chronic heart failure (ExTraMATCH II): Why all data are not equal. European Journal of Preventive Cardiology, 2019, 26, 1229-1231.	1.8	3
96	Myospryn deficiency leads to impaired cardiac structure and function and schizophrenia-associated symptoms. Cell and Tissue Research, 2021, 385, 675-696.	2.9	3
97	Space: the final frontier?. European Journal of Preventive Cardiology, 2022, 29, 1396-1398.	1.8	2
98	Review: exercise training delays death and hospital admission in chronic heart failure. Evidence-Based Medicine, 2004, 9, 137-137.	0.6	0
99	Local hemodynamics and intimal hyperplasia at the venous side of porcine carotid artery - Jugular vein shunt. , 2008, , .		0
100	P687Complement system modulation as a target for treatment of arrhythmogenic cardiomyopathy. Cardiovascular Research, 2014, 103, S125.5-S126.	3.8	0
101	Is ARIS (aerobic/resistance/inspiratory muscle training) the optimal exercise training programme for chronic heart failure patients?. European Journal of Preventive Cardiology, 2021, , .	1.8	0
102	The European Association of Preventive Cardiology Aviation and Occupational Cardiology Task Force. European Heart Journal, 2021, 42, 2030-2033.	2.2	0
103	Metformin Restores AMPK Alpha-Mediated Autophagy and Prevents Carfilzomib-Induced Cardiotoxicity In Vivo. Blood, 2018, 132, 3214-3214.	1.4	0