

# Matthias Totzeck

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

1,793  
citations

331670

21  
h-index

276875

41  
g-index

45  
all docs

45  
docs citations

45  
times ranked

2651  
citing authors

#	ARTICLE	IF	CITATIONS
1	Circulating Nitrite Contributes to Cardioprotection by Remote Ischemic Preconditioning. <i>Circulation Research</i> , 2014, 114, 1601-1610.	4.5	295
2	Nitrite Regulates Hypoxic Vasodilation via Myoglobin-Dependent Nitric Oxide Generation. <i>Circulation</i> , 2012, 126, 325-334.	1.6	173
3	Cardio-oncology - strategies for management of cancer-therapy related cardiovascular disease. <i>International Journal of Cardiology</i> , 2019, 280, 163-175.	1.7	138
4	Cardiovascular Adverse Events in Patients With Cancer Treated With Bevacizumab: A Meta-Analysis of More Than 20,000 Patients. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	125
5	Dietary Nitrate Supplementation Improves Revascularization in Chronic Ischemia. <i>Circulation</i> , 2012, 126, 1983-1992.	1.6	97
6	Positive effects of nitric oxide on left ventricular function in humans. <i>European Heart Journal</i> , 2006, 27, 1699-1705.	2.2	96
7	Cardioprotection Through S-Nitrosylation of Macrophage Migration Inhibitory Factor. <i>Circulation</i> , 2012, 125, 1880-1889.	1.6	84
8	Cardiotoxicity from immune checkpoint inhibitors. <i>IJC Heart and Vasculature</i> , 2019, 25, 100420.	1.1	79
9	Biomarkers for the detection of apparent and subclinical cancer therapy-related cardiotoxicity. <i>Journal of Thoracic Disease</i> , 2018, 10, S4282-S4295.	1.4	69
10	Higher endogenous nitrite levels are associated with superior exercise capacity in highly trained athletes. <i>Nitric Oxide - Biology and Chemistry</i> , 2012, 27, 75-81.	2.7	49
11	Cardiac fibroblast activation detected by positron emission tomography/computed tomography as a possible sign of cardiotoxicity. <i>European Heart Journal</i> , 2020, 41, 1060-1060.	2.2	41
12	Cardiotoxicity from chimeric antigen receptor-T cell therapy for advanced malignancies. <i>European Heart Journal</i> , 2022, 43, 1928-1940.	2.2	39
13	Preprocedural C-Reactive Protein Predicts Outcomes after Primary Percutaneous Coronary Intervention in Patients with ST-elevation Myocardial Infarction a systematic meta-analysis. <i>Scientific Reports</i> , 2017, 7, 41530.	3.3	37
14	Cardiac biomarkers for the detection of cardiotoxicity in childhood cancer—a meta-analysis. <i>ESC Heart Failure</i> , 2020, 7, 423-433.	3.1	32
15	Heart failure from cancer therapy: can we prevent it?. <i>ESC Heart Failure</i> , 2019, 6, 856-862.	3.1	31
16	Assessment of the functional diversity of human myoglobin. <i>Nitric Oxide - Biology and Chemistry</i> , 2012, 26, 211-216.	2.7	29
17	A novel physiological role for cardiac myoglobin in lipid metabolism. <i>Scientific Reports</i> , 2017, 7, 43219.	3.3	29
18	Cardiovascular Damage Associated With Chest Irradiation. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 41.	2.4	29

#	ARTICLE	IF	CITATIONS
19	Crosstalk between Nitrite, Myoglobin and Reactive Oxygen Species to Regulate Vasodilation under Hypoxia. PLoS ONE, 2014, 9, e105951.	2.5	28
20	Modulation of Circulating Macrophage Migration Inhibitory Factor in the Elderly. BioMed Research International, 2014, 2014, 1-8.	1.9	25
21	Inorganic nitrite modulates miRNA signatures in acute myocardial <i>in vivo</i> ischemia/reperfusion. Free Radical Research, 2017, 51, 91-102.	3.3	24
22	Impact of dietary nitrate on age-related diastolic dysfunction. European Journal of Heart Failure, 2016, 18, 599-610.	7.1	20
23	Global longitudinal strain is associated with better outcomes in transcatheter aortic valve replacement. BMC Cardiovascular Disorders, 2020, 20, 267.	1.7	18
24	Are we underestimating the potential for cardiotoxicity related to immune checkpoint inhibitors?. European Heart Journal, 2021, 42, 1632-1635.	2.2	18
25	Troponins and Natriuretic Peptides in Cardio-Oncology Patientsâ€™ Data From the ECoR Registry. Frontiers in Pharmacology, 2020, 11, 740.	3.5	16
26	Emerging role of immune checkpoint inhibitors and their relevance for the cardiovascular system. Herz, 2020, 45, 645-651.	1.1	16
27	MIF reflects tissue damage rather than inflammation in post-cardiac arrest syndrome in a real life cohort. Resuscitation, 2016, 100, 32-37.	3.0	15
28	Access site complications following Impella-supported high-risk percutaneous coronary interventions. Scientific Reports, 2019, 9, 17844.	3.3	15
29	Nitrite circumvents canonical cGMP signaling to enhance proliferation of myocyte precursor cells. Molecular and Cellular Biochemistry, 2015, 401, 175-183.	3.1	14
30	Assessment of coronary artery disease during hospitalization for cancer treatment. Clinical Research in Cardiology, 2021, 110, 200-210.	3.3	14
31	Dietary Nitrate Is a Modifier of Vascular Gene Expression in Old Male Mice. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-12.	4.0	13
32	Modern concepts in cardio-oncology. Journal of Thoracic Disease, 2018, 10, S4386-S4390.	1.4	13
33	Mouse cardiac mitochondria do not separate in subsarcolemmal and interfibrillar subpopulations. Mitochondrion, 2018, 38, 1-5.	3.4	10
34	S-nitrosation of calpains is associated with cardioprotection in myocardial I/R injury. Nitric Oxide - Biology and Chemistry, 2017, 67, 68-74.	2.7	9
35	The MACOCHA score is feasible to predict intubation failure of nonanesthesiologist intensive care unit trainees. Journal of Critical Care, 2015, 30, 876-880.	2.2	8
36	A practical approach to remote ischemic preconditioning and ischemic preconditioning against myocardial ischemia/reperfusion injury. Journal of Biological Methods, 2016, 3, e57.	0.6	8

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37	Filtration of Macrophage Migration Inhibitory Factor (MIF) in Patients with End Stage Renal Disease Undergoing Hemodialysis. PLoS ONE, 2015, 10, e0140215.	2.5	7
38	Percutaneous Mitral Valve Repair in Mitral Regurgitation Reduces Cell-Free Hemoglobin and Improves Endothelial Function. PLoS ONE, 2016, 11, e0151203.	2.5	7
39	Safety and efficacy of a novel algorithm to guide decision-making in high-risk interventional coronary procedures. International Journal of Cardiology, 2020, 299, 87-92.	1.7	6
40	ECG Changes in Melanoma Patients Undergoing Cancer Therapy Data from the ECoR Registry. Journal of Clinical Medicine, 2020, 9, 2060.	2.4	6
41	Impact of left-ventricular end-diastolic pressure as a predictor of periprocedural hemodynamic deterioration in patients undergoing Impella supported high-risk percutaneous coronary interventions. IJC Heart and Vasculature, 2020, 26, 100445.	1.1	4
42	ECG Scoring for the Evaluation of Therapy-Naïve Cancer Patients to Predict Cardiotoxicity. Cancers, 2021, 13, 1197.	3.7	4
43	Impact of Diabetes Mellitus on Outcomes after High-Risk Interventional Coronary Procedures. Journal of Clinical Medicine, 2020, 9, 3414.	2.4	2
44	Real-time Pressure-volume Analysis of Acute Myocardial Infarction in Mice. Journal of Visualized Experiments, 2018, , .	0.3	1
45	Weightlifting unmasks high-risk coronary anomaly. European Heart Journal, 2019, 40, 72-72.	2.2	0