Nils Bomer

List of Publications by Year
in descending order

30 papers	1,166 citations	471509 17 h-index	477307 29 g-index
33 all docs	33 docs citations	33 times ranked	1923 citing authors

#	Article	IF	Citations
1	High selenium levels associate with reduced risk of mortality and newâ€onset heart failure: data from <scp>PREVEND</scp>. European Journal of Heart Failure, 2022, 24, 299-307.	7.1	19
2	Micronutrient deficiencies in heart failure: Mitochondrial dysfunction as a common pathophysiological mechanism?. Journal of Internal Medicine, 2022, 291, 713-731.	6.0	23
3	Review: Precision Medicine Approaches for Genetic Cardiomyopathy: Targeting Phospholamban R14del. Current Heart Failure Reports, 2022, 19, 170-179.	3.3	6
4	ATPase Inhibitory Factor-1 Disrupts Mitochondrial Ca2+ Handling and Promotes Pathological Cardiac Hypertrophy through CaMKIIΐ. International Journal of Molecular Sciences, 2021, 22, 4427.	4.1	9
5	Selenium, Selenoproteins, and Heart Failure: Current Knowledge and Future Perspective. Current Heart Failure Reports, 2021, 18, 122-131.	3.3	40
6	Dynamic loading of human engineered heart tissue enhances contractile function and drives a desmosome-linked disease phenotype. Science Translational Medicine, 2021, 13, .	12.4	48
7	Phospholamban antisense oligonucleotides improve cardiac function in murine cardiomyopathy. Nature Communications, 2021, 12, 5180.	12.8	24
8	Selenoprotein DIO2 Is a Regulator of Mitochondrial Function, Morphology and UPRmt in Human Cardiomyocytes. International Journal of Molecular Sciences, 2021, 22, 11906.	4.1	13
9	Mass-spectrometric identification of carbamylated proteins present in the joints of rheumatoid arthritis patients and controls. Clinical and Experimental Rheumatology, 2021, 39, 570-577.	0.8	5
10	Mass-spectrometric identification of carbamylated proteins present in the joints of rheumatoid arthritis patients and controls. Clinical and Experimental Rheumatology, 2021, 39, 570-577.	0.8	10
11	Metabolomics Profile in Depression: A Pooled Analysis of 230 Metabolic Markers in 5283 Cases With Depression and 10,145 Controls. Biological Psychiatry, 2020, 87, 409-418.	1.3	129
12	In peripartum cardiomyopathy plasminogen activator inhibitor-1 is a potential new biomarker with controversial roles. Cardiovascular Research, 2020, 116, 1875-1886.	3.8	20
13	Selenium and outcome in heart failure. European Journal of Heart Failure, 2020, 22, 1415-1423.	7.1	84
14	The role of cathepsin D in the pathophysiology of heart failure and its potentially beneficial properties: a translational approach. European Journal of Heart Failure, 2020, 22, 2102-2111.	7.1	24
15	A Clinical Tool to Predict Low Serum Selenium in Patients with Worsening Heart Failure. Nutrients, 2020, 12, 2541.	4.1	16
16	Human iPSC-Derived Cardiomyocytes of Peripartum Patients With Cardiomyopathy Reveal Aberrant Regulation of Lipid Metabolism. Circulation, 2020, 142, 2288-2291.	1.6	8
17	Increased WISP1 expression in human osteoarthritic articular cartilage is epigenetically regulated and decreases cartilage matrix production. Rheumatology, 2019, 58, 1065-1074.	1.9	13
18	Annotating Transcriptional Effects of Genetic Variants in Diseaseâ€Relevant Tissue: Transcriptomeâ€Wide Allelic Imbalance in Osteoarthritic Cartilage. Arthritis and Rheumatology, 2019, 71, 561-570.	5.6	27

#	Article	IF	Citations
19	Concise Review: The Current State of Human In Vitro Cardiac Disease Modeling: A Focus on Gene Editing and Tissue Engineering. Stem Cells Translational Medicine, 2019, 8, 66-74.	3.3	27
20	Modeling Human Cardiac Hypertrophy in Stem Cell-Derived Cardiomyocytes. Stem Cell Reports, 2018, 10, 794-807.	4.8	49
21	07.07â€...Increased expression of ccn4/wisp1 in osteoarthritic articular cartilage is epigenetically regulated and disrupts cartilage homeostasis. , 2017, , .		0
22	Aberrant Calreticulin Expression in Articular Cartilage of Dio2 Deficient Mice. PLoS ONE, 2016, 11, e0154999.	2.5	2
23	The effect of forced exercise on knee joints in Dio2^{â^'/â^'} mice: type II iodothyronine deiodinase-deficient mice are less prone to develop OA-like cartilage damage upon excessive mechanical stress. Annals of the Rheumatic Diseases, 2016, 75, 571-577.	0.9	31
24	Neo-cartilage engineered from primary chondrocytes is epigenetically similar to autologous cartilage, in contrast to using mesenchymal stem cells. Osteoarthritis and Cartilage, 2016, 24, 1423-1430.	1.3	29
25	Translating genomics into mechanisms of disease: Osteoarthritis. Best Practice and Research in Clinical Rheumatology, 2015, 29, 683-691.	3.3	10
26	Transcriptional Associations of Osteoarthritisâ€Mediated Loss of Epigenetic Control in Articular Cartilage. Arthritis and Rheumatology, 2015, 67, 2108-2116.	5.6	47
27	Underlying molecular mechanisms ofDIO2susceptibility in symptomatic osteoarthritis. Annals of the Rheumatic Diseases, 2015, 74, 1571-1579.	0.9	75
28	Genes Involved in the Osteoarthritis Process Identified through Genome Wide Expression Analysis in Articular Cartilage; the RAAK Study. PLoS ONE, 2014, 9, e103056.	2.5	142
29	Knee and hip articular cartilage have distinct epigenomic landscapes: implications for future cartilage regeneration approaches. Annals of the Rheumatic Diseases, 2014, 73, 2208-2212.	0.9	96
30	Severe osteoarthritis of the hand associates with common variants within the ALDH1A2 gene and with rare variants at 1p31. Nature Genetics, 2014, 46, 498-502.	21.4	136