

# Nils Bomer

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/443487/publications.pdf>

Version: 2024-02-01

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  | 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       |
| 2  | 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       |
| 3  | 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       |
| 4  | 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        |
| 5  | Selenium and outcome in heart failure. European Journal of Heart Failure, 2020, 22, 1415-1423.   | 7.1  | 84        |
| 6  | Underlying molecular mechanisms of <i>DIO2</i> susceptibility in symptomatic osteoarthritis. Annals of the Rheumatic Diseases, 2015, 74, 1571-1579.  | 0.9  | 75        |
| 7  | Modeling Human Cardiac Hypertrophy in Stem Cell-Derived Cardiomyocytes. Stem Cell Reports, 2018, 10, 794-807.  | 4.8  | 49        |
| 8  | 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        |
| 9  | Transcriptional Associations of Osteoarthritis-Mediated Loss of Epigenetic Control in Articular Cartilage. Arthritis and Rheumatology, 2015, 67, 2108-2116.  | 5.6  | 47        |
| 10 | Selenium, Selenoproteins, and Heart Failure: Current Knowledge and Future Perspective. Current Heart Failure Reports, 2021, 18, 122-131.   | 3.3  | 40        |
| 11 | The effect of forced exercise on knee joints in <i>Dio2</i> <sup>+/+</sup> 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        |
| 12 | 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        |
| 13 | Annotating Transcriptional Effects of Genetic Variants in Disease-Relevant Tissue: Transcriptome-Wide Allelic Imbalance in Osteoarthritic Cartilage. Arthritis and Rheumatology, 2019, 71, 561-570.  | 5.6  | 27        |
| 14 | 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        |
| 15 | 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        |
| 16 | Phospholamban antisense oligonucleotides improve cardiac function in murine cardiomyopathy. Nature Communications, 2021, 12, 5180.   | 12.8 | 24        |
| 17 | Micronutrient deficiencies in heart failure: Mitochondrial dysfunction as a common pathophysiological mechanism?. Journal of Internal Medicine, 2022, 291, 713-731.  | 6.0  | 23        |
| 18 | In peripartum cardiomyopathy plasminogen activator inhibitor-1 is a potential new biomarker with controversial roles. Cardiovascular Research, 2020, 116, 1875-1886.   | 3.8  | 20        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | High selenium levels associate with reduced risk of mortality and new-onset heart failure: data from <sc>PREVEND</sc>. European Journal of Heart Failure, 2022, 24, 299-307.                                    | 7.1 | 19        |
| 20 | A Clinical Tool to Predict Low Serum Selenium in Patients with Worsening Heart Failure. Nutrients, 2020, 12, 2541.  | 4.1 | 16        |
| 21 | Increased WISP1 expression in human osteoarthritic articular cartilage is epigenetically regulated and decreases cartilage matrix production. Rheumatology, 2019, 58, 1065-1074.                                | 1.9 | 13        |
| 22 | 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        |
| 23 | Translating genomics into mechanisms of disease: Osteoarthritis. Best Practice and Research in Clinical Rheumatology, 2015, 29, 683-691.  | 3.3 | 10        |
| 24 | 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        |
| 25 | ATPase Inhibitory Factor-1 Disrupts Mitochondrial Ca <sup>2+</sup> Handling and Promotes Pathological Cardiac Hypertrophy through CaMKII $\beta$ . International Journal of Molecular Sciences, 2021, 22, 4427. | 4.1 | 9         |
| 26 | Human iPSC-Derived Cardiomyocytes of Peripartum Patients With Cardiomyopathy Reveal Aberrant Regulation of Lipid Metabolism. Circulation, 2020, 142, 2288-2291.   | 1.6 | 8         |
| 27 | Review: Precision Medicine Approaches for Genetic Cardiomyopathy: Targeting Phospholamban R14del. Current Heart Failure Reports, 2022, 19, 170-179.   | 3.3 | 6         |
| 28 | 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         |
| 29 | Aberrant Calreticulin Expression in Articular Cartilage of Dio2 Deficient Mice. PLoS ONE, 2016, 11, e0154999.   | 2.5 | 2         |
| 30 | 07.07...Increased expression of ccn4/wisp1 in osteoarthritic articular cartilage is epigenetically regulated and disrupts cartilage homeostasis. , 2017, , .  |     | 0         |