

# Timo Gaber

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

2,295  
citations

304743

22  
h-index

223800

46  
g-index

57  
all docs

57  
docs citations

57  
times ranked

3567  
citing authors

#	ARTICLE	IF	CITATIONS
1	MIF does only marginally enhance the pro-regenerative capacities of DFO in a mouse-osteotomy-model of compromised bone healing conditions. <i>Bone</i> , 2022, 154, 116247.	2.9	11
2	A new perspective is needed for positive selection of germinal center B cells with higher-affinity B cell receptors. <i>Cellular and Molecular Immunology</i> , 2022, 19, 145-146.	10.5	2
3	Optimization of a Tricalcium Phosphate-Based Bone Model Using Cell-Sheet Technology to Simulate Bone Disorders. <i>Processes</i> , 2022, 10, 550.	2.8	1
4	Metabolic reprogramming of synovial fibroblasts in osteoarthritis by inhibition of pathologically overexpressed pyruvate dehydrogenase kinases. <i>Metabolic Engineering</i> , 2022, 72, 116-132.	7.0	8
5	The Anti-Glucocorticoid Receptor Antibody Clone 5E4: Raising Awareness of Unspecific Antibody Binding. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5049.	4.1	1
6	New insights into the fascinating world of glucocorticoids: the dexamethasone-miR-342-Rictor axis in regulatory T cells. <i>Cellular and Molecular Immunology</i> , 2021, 18, 520-522.	10.5	0
7	Hypoxia/HIF Modulates Immune Responses. <i>Biomedicines</i> , 2021, 9, 260.	3.2	40
8	Fracture Healing Research – Shift towards In Vitro Modeling?. <i>Biomedicines</i> , 2021, 9, 748.	3.2	16
9	Surface AMP deaminase 2 as a novel regulator modifying extracellular adenine nucleotide metabolism. <i>FASEB Journal</i> , 2021, 35, e21684.	0.5	3
10	A Human Osteochondral Tissue Model Mimicking Cytokine-Induced Key Features of Arthritis In Vitro. <i>International Journal of Molecular Sciences</i> , 2021, 22, 128.	4.1	5
11	Production of IL-6 and Phagocytosis Are the Most Resilient Immune Functions in Metabolically Compromised Human Monocytes. <i>Frontiers in Immunology</i> , 2021, 12, 730672.	4.8	4
12	JAK/STAT Activation: A General Mechanism for Bone Development, Homeostasis, and Regeneration. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9004.	4.1	25
13	Modeling Rheumatoid Arthritis In Vitro: From Experimental Feasibility to Physiological Proximity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7916.	4.1	25
14	Macroscale mesenchymal condensation to study cytokine-driven cellular and matrix-related changes during cartilage degradation. <i>Biofabrication</i> , 2020, 12, 045016.	7.1	9
15	Functional Scaffold-Free Bone Equivalents Induce Osteogenic and Angiogenic Processes in a Human In Vitro Fracture Hematoma Model. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 1189-1201.	2.8	7
16	The in vitro human fracture hematoma model - a tool for preclinical drug testing. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2020, 37, 561-578.	1.5	6
17	Impact of Janus Kinase Inhibition with Tofacitinib on Fundamental Processes of Bone Healing. <i>International Journal of Molecular Sciences</i> , 2020, 21, 865.	4.1	21
18	Metabolism of T Lymphocytes in Health and Disease. <i>International Review of Cell and Molecular Biology</i> , 2019, 342, 95-148.	3.2	20

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19	Glucocorticoidsâ€™ All-Rounders Tackling the Versatile Players of the Immune System. <i>Frontiers in Immunology</i> , 2019, 10, 1744.	4.8	170
20	Hypoxia and mesenchymal stromal cells as key drivers of initial fracture healing in an equine in vitro fracture hematoma model. <i>PLoS ONE</i> , 2019, 14, e0214276.	2.5	24
21	FRI0507â€™...THE HUMAN-BASED IN VITRO 3D ARTHRITIC JOINT MODEL. , 2019, , .		1
22	OP0074â€™...TOFACITINIB PROMOTES FUNDAMENTAL PROCESSES OF BONE HEALING. , 2019, , .		0
23	SAT0068â€™...CIRCADIAN RHYTHMS OF IMMUNE SYSTEM IN HEALTHY INDIVIDUALS AND PATIENTS WITH RHEUMATOID ARTHRITIS. , 2019, , .		0
24	Spatial Distribution of Macrophages During Callus Formation and Maturation Reveals Close Crosstalk Between Macrophages and Newly Forming Vessels. <i>Frontiers in Immunology</i> , 2019, 10, 2588.	4.8	38
25	Surface Nanocoating with Plantâ€™Derived Pectins Improves Fibroblast Response In Vitro. <i>Starch/Staerke</i> , 2019, 71, 1800162.	2.1	2
26	Collagen I-based scaffolds negatively impact fracture healing in a mouse-osteotomy-model although used routinely in research and clinical application. <i>Acta Biomaterialia</i> , 2019, 86, 171-184.	8.3	29
27	Unraveling the role of hypoxia-inducible factor (HIF)-1 $\alpha$ and HIF-2 $\alpha$ in the adaption process of human microvascular endothelial cells (HMEC-1) to hypoxia: Redundant HIF-dependent regulation of macrophage migration inhibitory factor. <i>Microvascular Research</i> , 2018, 116, 34-44.	2.5	28
28	CTLA-4 Mediates Inhibitory Function of Mesenchymal Stem/Stromal Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2312.	4.1	29
29	Metabolic regulation of inflammation. <i>Nature Reviews Rheumatology</i> , 2017, 13, 267-279.	8.0	211
30	Trace element and cytokine concentrations in patients with Fibrodysplasia Ossificans Progressiva (FOP): A case control study. <i>Journal of Trace Elements in Medicine and Biology</i> , 2017, 39, 186-192.	3.0	11
31	A Pronounced Inflammatory Activity Characterizes the Early Fracture Healing Phase in Immunologically Restricted Patients. <i>International Journal of Molecular Sciences</i> , 2017, 18, 583.	4.1	45
32	Modification of the surface of superparamagnetic iron oxide nanoparticles to enable their safe application in humans. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 5883-5896.	6.7	22
33	Effects of PVA-coated nanoparticles on human T helper cell activity. <i>Toxicology Letters</i> , 2016, 245, 52-58.	0.8	11
34	Disentangling the effects of tocilizumab on neutrophil survival and function. <i>Immunologic Research</i> , 2016, 64, 665-676.	2.9	12
35	Effects of treatment with etanercept versus methotrexate on sleep quality, fatigue and selected immune parameters in patients with active rheumatoid arthritis. <i>Clinical and Experimental Rheumatology</i> , 2016, 34, 848-856.	0.8	8
36	Effects of PVA coated nanoparticles on human immune cells. <i>International Journal of Nanomedicine</i> , 2015, 10, 3429.	6.7	31

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37	Cellular Energy Metabolism in T-Lymphocytes. <i>International Reviews of Immunology</i> , 2015, 34, 34-49.	3.3	21
38	<i>Porphyromonas gingivalis</i> Suppresses Differentiation and Increases Apoptosis of Osteoblasts From New Zealand Obese Mice. <i>Journal of Periodontology</i> , 2015, 86, 1095-1102.	3.4	16
39	Effects of 60-day bed rest with and without exercise on cellular and humoral immunological parameters. <i>Cellular and Molecular Immunology</i> , 2015, 12, 483-492.	10.5	42
40	Circadian rhythms of cellular immunity in rheumatoid arthritis: a hypothesis-generating study. <i>Clinical and Experimental Rheumatology</i> , 2015, 33, 34-43.	0.8	16
41	Preoperative irradiation for the prevention of heterotopic ossification induces local inflammation in humans. <i>Bone</i> , 2013, 55, 93-101.	2.9	18
42	Human immune cells' behavior and survival under bioenergetically restricted conditions in an in vitro fracture hematoma model. <i>Cellular and Molecular Immunology</i> , 2013, 10, 151-158.	10.5	40
43	Pathophysiological hypoxia affects the redox state and IL-2 signalling of human CD4 <sup>+</sup> T cells and concomitantly impairs survival and proliferation. <i>European Journal of Immunology</i> , 2013, 43, 1588-1597.	2.9	15
44	Hypoxia: how does the monocyte-macrophage system respond to changes in oxygen availability?. <i>Journal of Leukocyte Biology</i> , 2013, 95, 233-241.	3.3	55
45	Human monocytes and macrophages differ in their mechanisms of adaptation to hypoxia. <i>Arthritis Research and Therapy</i> , 2012, 14, R181.	3.5	35
46	Hypoxia Promotes Osteogenesis but Suppresses Adipogenesis of Human Mesenchymal Stromal Cells in a Hypoxia-Inducible Factor-1 Dependent Manner. <i>PLoS ONE</i> , 2012, 7, e46483.	2.5	157
47	Human Early Fracture Hematoma Is Characterized by Inflammation and Hypoxia. <i>Clinical Orthopaedics and Related Research</i> , 2011, 469, 3118-3126.	1.5	159
48	Origin and functional activity of the membrane-bound glucocorticoid receptor. <i>Arthritis and Rheumatism</i> , 2011, 63, 3779-3788.	6.7	62
49	Macrophage Migration Inhibitory Factor Counterregulates Dexamethasone-Mediated Suppression of Hypoxia-Inducible Factor-1 $\beta$ Function and Differentially Influences Human CD4 <sup>+</sup> T Cell Proliferation under Hypoxia. <i>Journal of Immunology</i> , 2011, 186, 764-774.	0.8	55
50	The Early Fracture Hematoma and Its Potential Role in Fracture Healing. <i>Tissue Engineering - Part B: Reviews</i> , 2010, 16, 427-434.	4.8	316
51	Adaptation of Human CD4 <sup>+</sup> T Cells to Pathophysiological Hypoxia: A Transcriptome Analysis. <i>Journal of Rheumatology</i> , 2009, 36, 2655-2669.	2.0	42
52	Human CD4 <sup>+</sup> T cells maintain specific functions even under conditions of extremely restricted ATP production. <i>European Journal of Immunology</i> , 2008, 38, 1631-1642.	2.9	40
53	Rapid immunosuppressive effects of glucocorticoids mediated through Lck and Fyn. <i>Blood</i> , 2005, 106, 1703-1710.	1.4	145
54	Membrane glucocorticoid receptors (mGCR) are expressed in normal human peripheral blood mononuclear cells and up-regulated after in vitro stimulation and in patients with rheumatoid arthritis. <i>FASEB Journal</i> , 2004, 18, 70-80.	0.5	183