

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	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
2	Metabolic regulation of inflammation. <i>Nature Reviews Rheumatology</i> , 2017, 13, 267-279.	8.0	211
3	Membrane glucocorticoid receptors (mGCR) are expressed in normal human peripheral blood mononuclear cells and upregulated after in vitro stimulation and in patients with rheumatoid arthritis. <i>FASEB Journal</i> , 2004, 18, 70-80.	0.5	183
4	Glucocorticoidsâ€™ All-Rounders Tackling the Versatile Players of the Immune System. <i>Frontiers in Immunology</i> , 2019, 10, 1744.	4.8	170
5	Human Early Fracture Hematoma Is Characterized by Inflammation and Hypoxia. <i>Clinical Orthopaedics and Related Research</i> , 2011, 469, 3118-3126.	1.5	159
6	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
7	Rapid immunosuppressive effects of glucocorticoids mediated through Lck and Fyn. <i>Blood</i> , 2005, 106, 1703-1710.	1.4	145
8	Origin and functional activity of the membrane-bound glucocorticoid receptor. <i>Arthritis and Rheumatism</i> , 2011, 63, 3779-3788.	6.7	62
9	Macrophage Migration Inhibitory Factor Counterregulates Dexamethasone-Mediated Suppression of Hypoxia-Inducible Factor-1 α Function and Differentially Influences Human CD4+ T Cell Proliferation under Hypoxia. <i>Journal of Immunology</i> , 2011, 186, 764-774.	0.8	55
10	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
11	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
12	Adaptation of Human CD4+ T Cells to Pathophysiological Hypoxia: A Transcriptome Analysis. <i>Journal of Rheumatology</i> , 2009, 36, 2655-2669.	2.0	42
13	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
14	Human CD4+ 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
15	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
16	Hypoxia/HIF Modulates Immune Responses. <i>Biomedicines</i> , 2021, 9, 260.	3.2	40
17	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
18	Human monocytes and macrophages differ in their mechanisms of adaptation to hypoxia. <i>Arthritis Research and Therapy</i> , 2012, 14, R181.	3.5	35

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19	Effects of PVA coated nanoparticles on human immune cells. <i>International Journal of Nanomedicine</i> , 2015, 10, 3429.	6.7	31
20	CTLA-4 Mediates Inhibitory Function of Mesenchymal Stem/Stromal Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2312.	4.1	29
21	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
22	Unraveling the role of hypoxia-inducible factor (HIF)-1 α and HIF-2 α 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
23	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
24	Modeling Rheumatoid Arthritis In Vitro: From Experimental Feasibility to Physiological Proximity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7916.	4.1	25
25	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
26	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
27	Cellular Energy Metabolism in T-Lymphocytes. <i>International Reviews of Immunology</i> , 2015, 34, 34-49.	3.3	21
28	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
29	Metabolism of T Lymphocytes in Health and Disease. <i>International Review of Cell and Molecular Biology</i> , 2019, 342, 95-148.	3.2	20
30	Preoperative irradiation for the prevention of heterotopic ossification induces local inflammation in humans. <i>Bone</i> , 2013, 55, 93-101.	2.9	18
31	<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
32	Fracture Healing Research – Shift towards In Vitro Modeling?. <i>Biomedicines</i> , 2021, 9, 748.	3.2	16
33	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
34	Pathophysiological hypoxia affects the redox state and IL-2 signalling of human CD4 ⁺ T cells and concomitantly impairs survival and proliferation. <i>European Journal of Immunology</i> , 2013, 43, 1588-1597.	2.9	15
35	Disentangling the effects of tocilizumab on neutrophil survival and function. <i>Immunologic Research</i> , 2016, 64, 665-676.	2.9	12
36	Effects of PVA-coated nanoparticles on human T helper cell activity. <i>Toxicology Letters</i> , 2016, 245, 52-58.	0.8	11

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37	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
38	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
39	Macroscale mesenchymal condensation to study cytokine-driven cellular and matrix-related changes during cartilage degradation. <i>Biofabrication</i> , 2020, 12, 045016.	7.1	9
40	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
41	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
42	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
43	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
44	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
45	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
46	Surface AMP deaminase 2 as a novel regulator modifying extracellular adenine nucleotide metabolism. <i>FASEB Journal</i> , 2021, 35, e21684.	0.5	3
47	Surface Nanocoating with Plant-Derived Pectins Improves Fibroblast Response In Vitro. <i>Starch/Staerke</i> , 2019, 71, 1800162.	2.1	2
48	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
49	FRI0507...THE HUMAN-BASED IN VITRO 3D ARTHRITIC JOINT MODEL. , 2019, , .		1
50	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
51	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
52	OP0074...TOFACITINIB PROMOTES FUNDAMENTAL PROCESSES OF BONE HEALING. , 2019, , .		0
53	SAT0068...CIRCADIAN RHYTHMS OF IMMUNE SYSTEM IN HEALTHY INDIVIDUALS AND PATIENTS WITH RHEUMATOID ARTHRITIS. , 2019, , .		0
54	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