

# Birgit Lohberger

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

833  
citations

516710

16  
h-index

580821

25  
g-index

55  
all docs

55  
docs citations

55  
times ranked

1565  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Association of Blood Biomarkers and Body Mass Index in Knee Osteoarthritis: A Cross-Sectional Study. <i>Cartilage</i> , 2022, 13, 194760352110692.	2.7	3
2	An external perpendicular magnetic field does not influence survival and DNA damage after proton and carbon ion irradiation in human cancer cells. <i>Zeitschrift Fur Medizinische Physik</i> , 2022, , .	1.5	0
3	Shikonin Derivatives Inhibit Inflammation Processes and Modulate MAPK Signaling in Human Healthy and Osteoarthritis Chondrocytes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3396.	4.1	5
4	Effect of Cobaltâ€“Chromiumâ€“Molybdenum Implant Surface Modifications on Biofilm Development of <i>S. aureus</i> and <i>S. epidermidis</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 837124.	3.9	1
5	SK119, a Novel Shikonin Derivative, Leads to Apoptosis in Melanoma Cell Lines and Exhibits Synergistic Effects with Vemurafenib and Cobimetinib. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5684.	4.1	1
6	Shikonin derivatives cause apoptosis and cell cycle arrest in human chondrosarcoma cells via death receptors and MAPK regulation. <i>BMC Cancer</i> , 2022, 22, .	2.6	7
7	The Effect of Body Mass Index and Metformin on Matrix Gene Expression in Arthritic Primary Human Chondrocytes. <i>Cartilage</i> , 2021, 13, 1004S-1018S.	2.7	9
8	Effects of a combined therapy of bortezomib and ionizing radiation on chondrosarcoma three-dimensional spheroid cultures. <i>Oncology Letters</i> , 2021, 21, 428.	1.8	3
9	Surface Modifications of Titanium Aluminium Vanadium Improve Biocompatibility and Osteogenic Differentiation Potential. <i>Materials</i> , 2021, 14, 1574.	2.9	9
10	Synthesis and Pharmacological In Vitro Investigations of Novel Shikonin Derivatives with a Special Focus on Cyclopropane Bearing Derivatives. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2774.	4.1	9
11	TiAl6V4 Alloy Surface Modifications and Their Impact on Biofilm Development of <i>S. aureus</i> and <i>S. epidermidis</i> . <i>Journal of Functional Biomaterials</i> , 2021, 12, 36.	4.4	5
12	Higher cMET dependence of sacral compared to clival chordoma cells: contributing to a better understanding of cMET in chordoma. <i>Scientific Reports</i> , 2021, 11, 12466.	3.3	5
13	Fatty Acidâ€“Binding Protein 4 (FABP4) Is Associated with Cartilage Thickness in End-Stage Knee Osteoarthritis. <i>Cartilage</i> , 2021, 13, 1165S-1173S.	2.7	7
14	Drug combination screening as a translational approach toward an improved drug therapy for chordoma. <i>Cellular Oncology (Dordrecht)</i> , 2021, 44, 1231-1242.	4.4	4
15	Activation of efficient DNA repair mechanisms after photon and proton irradiation of human chondrosarcoma cells. <i>Scientific Reports</i> , 2021, 11, 24116.	3.3	5
16	Cobalt Chromium Molybdenum Surface Modifications Alter the Osteogenic Differentiation Potential of Human Mesenchymal Stem Cells. <i>Materials</i> , 2020, 13, 4292.	2.9	8
17	Enhanced Osteogenic Differentiation of Human Primary Mesenchymal Stem and Progenitor Cultures on Graphene Oxide/Poly(methyl methacrylate) Composite Scaffolds. <i>Materials</i> , 2020, 13, 2991.	2.9	11
18	The role of stretch, tachycardia and sodiumâ€“calcium exchanger in induction of early cardiac remodelling. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 8732-8743.	3.6	6

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19	Periplocin mediates TRAIL-induced apoptosis and cell cycle arrest in human myxofibrosarcoma cells via the ERK/p38/JNK pathway. <i>Phytomedicine</i> , 2020, 76, 153262.	5.3	13
20	CoCrMo surface modifications affect biocompatibility, adhesion, and inflammation in human osteoblasts. <i>Scientific Reports</i> , 2020, 10, 1682.	3.3	16
21	Hybrid graphene oxide/amorphous carbon coatings and their effect on the viability and toxicity of different cell types. <i>Surface and Coatings Technology</i> , 2019, 374, 95-102.	4.8	6
22	Human melanoma brain metastases cell line MUG-Mel1, isolated clones and their detailed characterization. <i>Scientific Reports</i> , 2019, 9, 4096.	3.3	11
23	AB0106â€¦CHANGES IN THE MIRNA PROFILE AND HYPOXIC BEHAVIOUR OF HUMAN CHONDROCYTES BY THERAPEUTIC NUCLEAR MAGNETIC RESONANCE THERAPY (NMRT). , 2019, , .		0
24	Mechanical exposure and diacerein treatment modulates integrin-FAK-MAPKs mechanotransduction in human osteoarthritis chondrocytes. <i>Cellular Signalling</i> , 2019, 56, 23-30.	3.6	32
25	Synthesis of Novel Shikonin Derivatives and Pharmacological Effects of Cyclopropylacetylshikonin on Melanoma Cells. <i>Molecules</i> , 2018, 23, 2820.	3.8	15
26	Comparative Gene Expression Analysis in WM164 Melanoma Cells Revealed That Î²-Î²-Dimethylacrylshikonin Leads to ROS Generation, Loss of Mitochondrial Membrane Potential, and Autophagy Induction. <i>Molecules</i> , 2018, 23, 2823.	3.8	17
27	Periplocin, the most anti-proliferative constituent of <i>Periploca sepium</i> , specifically kills liposarcoma cells by death receptor mediated apoptosis. <i>Phytomedicine</i> , 2018, 51, 162-170.	5.3	19
28	Characterization of the endolysosomal system in human chordoma cell lines: is there a role of lysosomes in chemoresistance of this rare bone tumor?. <i>Histochemistry and Cell Biology</i> , 2018, 150, 83-92.	1.7	10
29	Influence of silibinin and Î²-Î²-dimethylacrylshikonin on chordoma cells. <i>Phytomedicine</i> , 2018, 49, 32-40.	5.3	7
30	Surface modification and characterization of GO/polymer thin coatings as excellent bio-active platforms for tissue regeneration. <i>Materials Science and Engineering C</i> , 2018, 84, 130-139.	7.3	2
31	Establishment of a novel cellular model for myxofibrosarcoma heterogeneity. <i>Scientific Reports</i> , 2017, 7, 44700.	3.3	18
32	MUG-Mel2, a novel highly pigmented and well characterized NRAS mutated human melanoma cell line. <i>Scientific Reports</i> , 2017, 7, 2098.	3.3	10
33	Functionalized, biocompatible, and impermeable nanoscale coatings for PEEK. <i>Materials Science and Engineering C</i> , 2017, 76, 865-870.	7.3	9
34	Pharmacological treatment with diacerein combined with mechanical stimulation affects the expression of growth factors in human chondrocytes. <i>Biochemistry and Biophysics Reports</i> , 2017, 11, 154-160.	1.3	17
35	Expanded molecular profiling of myxofibrosarcoma reveals potentially actionable targets. <i>Modern Pathology</i> , 2017, 30, 1698-1709.	5.5	27
36	Histone deacetylase inhibitors vorinostat and panobinostat induce G1 cell cycle arrest and apoptosis in multidrug resistant sarcoma cell lines. <i>Oncotarget</i> , 2017, 8, 77254-77267.	1.8	33

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37	Establishment of clival chordoma cell line MUG-CC1 and lymphoblastoid cells as a model for potential new treatment strategies. <i>Scientific Reports</i> , 2016, 6, 24195.	3.3	13
38	Impact of cyclic mechanical stimulation on the expression of extracellular matrix proteins in human primary rotator cuff fibroblasts. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2016, 24, 3884-3891.	4.2	18
39	The Proteasome Inhibitor Bortezomib Affects Chondrosarcoma Cells via the Mitochondria-Caspase Dependent Pathway and Enhances Death Receptor Expression and Autophagy. <i>PLoS ONE</i> , 2016, 11, e0168193.	2.5	17
40	Diacerein retards cell growth of chondrosarcoma cells at the G2/M cell cycle checkpoint via cyclin B1/CDK1 and CDK2 downregulation. <i>BMC Cancer</i> , 2015, 15, 891.	2.6	36
41	Mutation Analysis of Nine Chordoma Specimens by Targeted Next-Generation Cancer Panel Sequencing. <i>Journal of Cancer</i> , 2015, 6, 984-989.	2.5	17
42	25-O-acetyl-23,24-dihydro-cucurbitacin F induces cell cycle G2/M arrest and apoptosis in human soft tissue sarcoma cells. <i>Journal of Ethnopharmacology</i> , 2015, 164, 265-272.	4.1	9
43	Effect of Cyclic Mechanical Stimulation on the Expression of Osteogenesis Genes in Human Intraoral Mesenchymal Stromal and Progenitor Cells. <i>BioMed Research International</i> , 2014, 2014, 1-10.	1.9	36
44	Extended Ultrastructural Characterization of Chordoma Cells: The Link to New Therapeutic Options. <i>PLoS ONE</i> , 2014, 9, e114251.	2.5	11
45	Histone deacetylase inhibitors as potential therapeutic approaches for chordoma: An immunohistochemical and functional analysis. <i>Journal of Orthopaedic Research</i> , 2013, 31, 1999-2005.	2.3	12
46	The novel myxofibrosarcoma cell line MUG-Myx1 expresses a tumorigenic stem-like cell population with high aldehyde dehydrogenase 1 activity. <i>BMC Cancer</i> , 2013, 13, 563.	2.6	16
47	Tri-lineage potential of intraoral tissue-derived mesenchymal stromal cells. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2013, 41, 110-118.	1.7	9
48	The Influence of Resveratrol on the Synovial Expression of Matrix Metalloproteinases and Receptor Activator of NF- $\kappa$ B Ligand in Rheumatoid Arthritis Fibroblast-Like Synoviocytes. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2013, 68, 336-342.	1.4	7
49	Sesquiterpene Lactones Downregulate G2/M Cell Cycle Regulator Proteins and Affect the Invasive Potential of Human Soft Tissue Sarcoma Cells. <i>PLoS ONE</i> , 2013, 8, e66300.	2.5	21
50	Establishment and detailed functional and molecular genetic characterisation of a novel sacral chordoma cell line, MUG-Chor1. <i>International Journal of Oncology</i> , 2012, 40, 443-51.	3.3	33
51	Effect of Costunolide and Dehydrocostus Lactone on Cell Cycle, Apoptosis, and ABC Transporter Expression in Human Soft Tissue Sarcoma Cells. <i>Planta Medica</i> , 2012, 78, 1749-1756.	1.3	32
52	Human Intraoral Harvested Mesenchymal Stem Cells: Characterization, Multilineage Differentiation Analysis, and 3-Dimensional Migration of Natural Bone Mineral and Tricalcium Phosphate Scaffolds. <i>Journal of Oral and Maxillofacial Surgery</i> , 2012, 70, 2309-2315.	1.2	7
53	Naphthoquinones from <i>Onosma paniculata</i> Induce Cell-Cycle Arrest and Apoptosis in Melanoma Cells. <i>Journal of Natural Products</i> , 2012, 75, 865-869.	3.0	83
54	Aldehyde Dehydrogenase 1, a Potential Marker for Cancer Stem Cells in Human Sarcoma. <i>PLoS ONE</i> , 2012, 7, e43664.	2.5	76

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55	Behaviour of multipotent maxillary bone-derived cells on $\beta$ -tricalcium phosphate and highly porous bovine bone mineral. <i>Clinical Oral Implants Research</i> , 2010, 21, 699-708.	4.5	20