Birgit Lohberger

List of Publications by Year
in descending order

55	833	516710 16	580821 25
papers	citations	h-index	g-index

55	55	55	1565
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Naphthoquinones from Onosma paniculata Induce Cell-Cycle Arrest and Apoptosis in Melanoma Cells. Journal of Natural Products, 2012, 75, 865-869.	3.0	83
2	Aldehyde Dehydrogenase 1, a Potential Marker for Cancer Stem Cells in Human Sarcoma. PLoS ONE, 2012, 7, e43664.	2.5	76
3	Effect of Cyclic Mechanical Stimulation on the Expression of Osteogenesis Genes in Human Intraoral Mesenchymal Stromal and Progenitor Cells. BioMed Research International, 2014, 2014, 1-10.	1.9	36
4	Diacerein retards cell growth of chondrosarcoma cells at the G2/M cell cycle checkpoint via cyclin B1/CDK1 and CDK2 downregulation. BMC Cancer, 2015, 15, 891.	2.6	36
5	Establishment and detailed functional and molecular genetic characterisation of a novel sacral chordoma cell line, MUG-Chor1. International Journal of Oncology, 2012, 40, 443-51.	3.3	33
6	Histone deacetylase inhibitors vorinostat and panobinostat induce G1 cell cycle arrest and apoptosis in multidrug resistant sarcoma cell lines. Oncotarget, 2017, 8, 77254-77267.	1.8	33
7	Effect of Costunolide and Dehydrocostus Lactone on Cell Cycle, Apoptosis, and ABC Transporter Expression in Human Soft Tissue Sarcoma Cells. Planta Medica, 2012, 78, 1749-1756.	1.3	32
8	Mechanical exposure and diacerein treatment modulates integrin-FAK-MAPKs mechanotransduction in human osteoarthritis chondrocytes. Cellular Signalling, 2019, 56, 23-30.	3.6	32
9	Expanded molecular profiling of myxofibrosarcoma reveals potentially actionable targets. Modern Pathology, 2017, 30, 1698-1709.	5.5	27
10	Sesquiterpene Lactones Downregulate G2/M Cell Cycle Regulator Proteins and Affect the Invasive Potential of Human Soft Tissue Sarcoma Cells. PLoS ONE, 2013, 8, e66300.	2.5	21
11	Behaviour of multipotent maxillary boneâ€derived cells on Î²â€tricalcium phosphate and highly porous bovine bone mineral. Clinical Oral Implants Research, 2010, 21, 699-708.	4.5	20
12	Periplocin, the most anti-proliferative constituent of Periploca sepium, specifically kills liposarcoma cells by death receptor mediated apoptosis. Phytomedicine, 2018, 51, 162-170.	5.3	19
13	Impact of cyclic mechanical stimulation on the expression of extracellular matrix proteins in human primary rotator cuff fibroblasts. Knee Surgery, Sports Traumatology, Arthroscopy, 2016, 24, 3884-3891.	4.2	18
14	Establishment of a novel cellular model for myxofibrosarcoma heterogeneity. Scientific Reports, 2017, 7, 44700.	3.3	18
15	Mutation Analysis of Nine Chordoma Specimens by Targeted Next-Generation Cancer Panel Sequencing. Journal of Cancer, 2015, 6, 984-989.	2.5	17
16	Pharmacological treatment with diacerein combined with mechanical stimulation affects the expression of growth factors in human chondrocytes. Biochemistry and Biophysics Reports, 2017, 11, 154-160.	1.3	17
17	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. Molecules, 2018, 23, 2823.	3.8	17
18	The Proteasome Inhibitor Bortezomib Affects Chondrosarcoma Cells via the Mitochondria-Caspase Dependent Pathway and Enhances Death Receptor Expression and Autophagy. PLoS ONE, 2016, 11, e0168193.	2.5	17

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19	The novel myxofibrosarcoma cell line MUG-Myx1 expresses a tumourigenic stem-like cell population with high aldehyde dehydrogenase 1 activity. BMC Cancer, 2013, 13, 563.	2.6	16
20	CoCrMo surface modifications affect biocompatibility, adhesion, and inflammation in human osteoblasts. Scientific Reports, 2020, 10, 1682.	3.3	16
21	Synthesis of Novel Shikonin Derivatives and Pharmacological Effects of Cyclopropylacetylshikonin on Melanoma Cells. Molecules, 2018, 23, 2820.	3.8	15
22	Establishment of clival chordoma cell line MUG-CC1 and lymphoblastoid cells as a model for potential new treatment strategies. Scientific Reports, 2016, 6, 24195.	3.3	13
23	Periplocin mediates TRAIL-induced apoptosis and cell cycle arrest in human myxofibrosarcoma cells via the ERK/p38/JNK pathway. Phytomedicine, 2020, 76, 153262.	5.3	13
24	Histone deacetylase inhibitors as potential therapeutic approaches for chordoma: An immunohistochemical and functional analysis. Journal of Orthopaedic Research, 2013, 31, 1999-2005.	2.3	12
25	Human melanoma brain metastases cell line MUG-Mel1, isolated clones and their detailed characterization. Scientific Reports, 2019, 9, 4096.	3.3	11
26	Enhanced Osteogenic Differentiation of Human Primary Mesenchymal Stem and Progenitor Cultures on Graphene Oxide/Poly(methyl methacrylate) Composite Scaffolds. Materials, 2020, 13, 2991.	2.9	11
27	Extended Ultrastructural Characterization of Chordoma Cells: The Link to New Therapeutic Options. PLoS ONE, 2014, 9, e114251.	2.5	11
28	MUG-Mel2, a novel highly pigmented and well characterized NRAS mutated human melanoma cell line. Scientific Reports, 2017, 7, 2098.	3.3	10
29	Characterization of the endolysosomal system in human chordoma cell lines: is there a role of lysosomes in chemoresistance of this rare bone tumor?. Histochemistry and Cell Biology, 2018, 150, 83-92.	1.7	10
30	Tri-lineage potential of intraoral tissue-derived mesenchymal stromal cells. Journal of Cranio-Maxillo-Facial Surgery, 2013, 41, 110-118.	1.7	9
31	25-O-acetyl-23,24-dihydro-cucurbitacin F induces cell cycle G2/M arrest and apoptosis in human soft tissue sarcoma cells. Journal of Ethnopharmacology, 2015, 164, 265-272.	4.1	9
32	Functionalized, biocompatible, and impermeable nanoscale coatings for PEEK. Materials Science and Engineering C, 2017, 76, 865-870.	7.3	9
33	The Effect of Body Mass Index and Metformin on Matrix Gene Expression in Arthritic Primary Human Chondrocytes. Cartilage, 2021, 13, 1004S-1018S.	2.7	9
34	Surface Modifications of Titanium Aluminium Vanadium Improve Biocompatibility and Osteogenic Differentiation Potential. Materials, 2021, 14, 1574.	2.9	9
35	Synthesis and Pharmacological In Vitro Investigations of Novel Shikonin Derivatives with a Special Focus on Cyclopropane Bearing Derivatives. International Journal of Molecular Sciences, 2021, 22, 2774.	4.1	9
36	Cobalt Chromium Molybdenum Surface Modifications Alter the Osteogenic Differentiation Potential of Human Mesenchymal Stem Cells. Materials, 2020, 13, 4292.	2.9	8

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37	Human Intraoral Harvested Mesenchymal Stem Cells: Characterization, Multilineage Differentiation Analysis, and 3-Dimensional Migration of Natural Bone Mineral and Tricalcium Phosphate Scaffolds. Journal of Oral and Maxillofacial Surgery, 2012, 70, 2309-2315.	1.2	7
38	ILThe Infl uence of Resveratrol on the Synovial Expression of Matrix Metalloproteinases and Receptor Activator of NF-Î²B Ligand in Rheumatoid Arthritis Fibroblast-Like Synoviocytes. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2013, 68, 336-342.	1.4	7
39	Influence of silibinin and Î²-Î²-dimethylacrylshikonin on chordoma cells. Phytomedicine, 2018, 49, 32-40.	5.3	7
40	Fatty Acidâ€“Binding Protein 4 (FABP4) Is Associated with Cartilage Thickness in End-Stage Knee Osteoarthritis. Cartilage, 2021, 13, 1165S-1173S.	2.7	7
41	Shikonin derivatives cause apoptosis and cell cycle arrest in human chondrosarcoma cells via death receptors and MAPK regulation. BMC Cancer, 2022, 22, .	2.6	7
42	Hybrid graphene oxide/amorphous carbon coatings and their effect on the viability and toxicity of different cell types. Surface and Coatings Technology, 2019, 374, 95-102.	4.8	6
43	The role of stretch, tachycardia and sodiumâ€calcium exchanger in induction of early cardiac remodelling. Journal of Cellular and Molecular Medicine, 2020, 24, 8732-8743.	3.6	6
44	TiAl6V4 Alloy Surface Modifications and Their Impact on Biofilm Development of S. aureus and S. epidermidis. Journal of Functional Biomaterials, 2021, 12, 36.	4.4	5
45	Higher cMET dependence of sacral compared to clival chordoma cells: contributing to a better understanding of cMET in chordoma. Scientific Reports, 2021, 11, 12466.	3.3	5
46	Activation of efficient DNA repair mechanisms after photon and proton irradiation of human chondrosarcoma cells. Scientific Reports, 2021, 11, 24116.	3.3	5
47	Shikonin Derivatives Inhibit Inflammation Processes and Modulate MAPK Signaling in Human Healthy and Osteoarthritis Chondrocytes. International Journal of Molecular Sciences, 2022, 23, 3396.	4.1	5
48	Drug combination screening as a translational approach toward an improved drug therapy for chordoma. Cellular Oncology (Dordrecht), 2021, 44, 1231-1242.	4.4	4
49	Effects of a combined therapy of bortezomib and ionizing radiation on chondrosarcoma three-dimensional spheroid cultures. Oncology Letters, 2021, 21, 428.	1.8	3
50	The Association of Blood Biomarkers and Body Mass Index in Knee Osteoarthritis: A Cross-Sectional Study. Cartilage, 2022, 13, 194760352110692.	2.7	3
51	Surface modification and characterization of GO/polymer thin coatings as excellent bio-active platforms for tissue regeneration. Materials Science and Engineering C, 2018, 84, 130-139.	7.3	2
52	Effect of Cobaltâ€“Chromiumâ€“Molybdenum Implant Surface Modifications on Biofilm Development of S. aureus and S. epidermidis. Frontiers in Cellular and Infection Microbiology, 2022, 12, 837124.	3.9	1
53	SK119, a Novel Shikonin Derivative, Leads to Apoptosis in Melanoma Cell Lines and Exhibits Synergistic Effects with Vemurafenib and Cobimetinib. International Journal of Molecular Sciences, 2022, 23, 5684.	4.1	1
54	AB0106â€…CHANGES IN THE MIRNA PROFILE AND HYPOXIC BEHAVIOUR OF HUMAN CHONDROCYTES BY THERAPEUTIC NUCLEAR MAGNETIC RESONANCE THERAPY (NMRT). , 2019, , .		0

#	Article	IF	Citations
55	An external perpendicular magnetic field does not influence survival and DNA damage after proton and carbon ion irradiation in human cancer cells. Zeitschrift Fur Medizinische Physik, 2022, , .	1.5	0