

Stefan Toegel

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

2,378
citations

218677

26
h-index

206112

48
g-index

59
all docs

59
docs citations

59
times ranked

3711
citing authors

#	ARTICLE	IF	CITATIONS
1	MIQE prÃ©cis: Practical implementation of minimum standard guidelines for fluorescence-based quantitative real-time PCR experiments. <i>BMC Molecular Biology</i> , 2010, 11, 74.	3.0	563
2	The need for transparency and good practices in the qPCR literature. <i>Nature Methods</i> , 2013, 10, 1063-1067.	19.0	251
3	Galectins: their network and roles in immunity/tumor growth control. <i>Histochemistry and Cell Biology</i> , 2017, 147, 239-256.	1.7	111
4	Galectin-1 Couples Glycobiology to Inflammation in Osteoarthritis through the Activation of an NF-Î±-Regulated Gene Network. <i>Journal of Immunology</i> , 2016, 196, 1910-1921.	0.8	77
5	Uptake of bone-seekers is solely associated with mineralisation! A study with ^{99m} Tc-MDP, ¹⁵³ Sm-EDTMP and ¹⁸ F-fluoride on osteoblasts. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2006, 33, 491-494.	6.4	74
6	Transport Rankings of Non-Steroidal Antiinflammatory Drugs across Blood-Brain Barrier In Vitro Models. <i>PLoS ONE</i> , 2014, 9, e86806.	2.5	73
7	Anti-inflammatory activity of an ethanolic <i>Caesalpinia sappan</i> extract in human chondrocytes and macrophages. <i>Journal of Ethnopharmacology</i> , 2011, 138, 364-372.	4.1	66
8	Impact of heat treatment and spray drying on cellular properties and culturability of <i>Bifidobacterium bifidum</i> BB-12. <i>Food Research International</i> , 2013, 54, 93-101.	6.2	57
9	Isomeric analysis of oligomannosidic N-glycans and their dolichol-linked precursors. <i>Glycobiology</i> , 2012, 22, 389-399.	2.5	56
10	Human osteoarthritic knee cartilage: fingerprinting of adhesion/growth-regulatory galectins in vitro and in situ indicates differential upregulation in severe degeneration. <i>Histochemistry and Cell Biology</i> , 2014, 142, 373-388.	1.7	56
11	Selection of reliable reference genes for qPCR studies on chondroprotective action. <i>BMC Molecular Biology</i> , 2007, 8, 13.	3.0	53
12	Comparison between chondroprotective effects of glucosamine, curcumin, and diacerein in IL-1Î²-stimulated C-28/I2 chondrocytes. <i>Osteoarthritis and Cartilage</i> , 2008, 16, 1205-1212.	1.3	51
13	Galectin-3 Induces a Pro-degradative/inflammatory Gene Signature in Human Chondrocytes, Teaming Up with Galectin-1 in Osteoarthritis Pathogenesis. <i>Scientific Reports</i> , 2016, 6, 39112.	3.3	47
14	Rare Variants in MME, Encoding Metalloprotease Nephylisin, Are Linked to Late-Onset Autosomal-Dominant Axonal Polyneuropathies. <i>American Journal of Human Genetics</i> , 2016, 99, 607-623.	6.2	47
15	Galectin-8 induces functional disease markers in human osteoarthritis and cooperates with galectins-1 and -3. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 4187-4205.	5.4	46
16	Phenotype-related differential Î±-2,6- or Î±-2,3-sialylation of glycoprotein N-glycans in human chondrocytes. <i>Osteoarthritis and Cartilage</i> , 2010, 18, 240-248.	1.3	45
17	Compounds from <i>Caesalpinia sappan</i> with anti-inflammatory properties in macrophages and chondrocytes. <i>Food and Function</i> , 2016, 7, 1671-1679.	4.6	44
18	Biological evaluation of 2- ¹⁸ F-fluoroflumazenil ([¹⁸ F]FFMZ), a potential GABA receptor ligand for PET. <i>Nuclear Medicine and Biology</i> , 2004, 31, 291-295.	0.6	43

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19	IL-1 β and TNF- α alter the glyco-phenotype of primary human chondrocytes in vitro. Carbohydrate Research, 2010, 345, 1389-1393.	2.3	41
20	Innovations in Coating Technology. Recent Patents on Drug Delivery and Formulation, 2008, 2, 209-230.	2.1	40
21	Caesalpinia sappan extract inhibits IL1 β -mediated overexpression of matrix metalloproteinases in human chondrocytes. Genes and Nutrition, 2012, 7, 307-318.	2.5	38
22	Glycophenotyping of osteoarthritic cartilage and chondrocytes by RT-qPCR, mass spectrometry, histochemistry with plant/human lectins and lectin localization with a glycoprotein. Arthritis Research and Therapy, 2013, 15, R147.	3.5	38
23	Pre vivo, ex vivo and in vivo evaluations of [68Ga]-EDTMP. Nuclear Medicine and Biology, 2007, 34, 391-397.	0.6	37
24	Fluidized-bed drying as a feasible method for dehydration of Enterococcus faecium M74. Journal of Food Engineering, 2012, 111, 156-165.	5.2	33
25	Preparation and pre-vivo evaluation of no-carrier-added, carrier-added and cross-complexed [68Ga]-EDTMP formulations. European Journal of Pharmaceutics and Biopharmaceutics, 2008, 68, 406-412.	4.3	27
26	Validation of reference genes for qPCR studies on Caco-2 cell differentiation. European Journal of Pharmaceutics and Biopharmaceutics, 2008, 69, 1187-1192.	4.3	27
27	Vascularization of primary and secondary ossification centres in the human growth plate. BMC Developmental Biology, 2014, 14, 36.	2.1	26
28	Establishment of a human three-dimensional chip-based chondro-synovial coculture joint model for reciprocal cross talk studies in arthritis research. Lab on A Chip, 2021, 21, 4128-4143.	6.0	26
29	Binding studies of [18F]-fluoride and polyphosphonates radiolabelled with [99mTc], [111In], [153Sm] and [188Re] on bone compartments: Verification of the pre vivo model?. Bone, 2005, 37, 404-412.	2.9	20
30	Lectin binding studies on C-28/I2 and T/C-28a2 chondrocytes provide a basis for new tissue engineering and drug delivery perspectives in cartilage research. Journal of Controlled Release, 2007, 117, 121-129.	9.9	20
31	What is the Sugar Code?. ChemBioChem, 2022, 23, .	2.6	20
32	Blood-brain barrier cell line PBMEC/C1-2 possesses functionally active P-glycoprotein. Neuroscience Letters, 2010, 469, 224-228.	2.1	19
33	The genetic landscape of axonal neuropathies in the middle-aged and elderly. Neurology, 2020, 95, e3163-e3179.	1.1	19
34	Binding studies of [18F]-fluoride and polyphosphonates radiolabelled with [111In], [99mTc], [153Sm], and [188Re] on bone compartments: a new model for the pre vivo evaluation of bone seekers?. Bone, 2004, 34, 835-844.	2.9	16
35	Brazilin blocks catabolic processes in human osteoarthritic chondrocytes via inhibition of NFKB1/p50. Journal of Orthopaedic Research, 2018, 36, 2431-2438.	2.3	15
36	Inflammation Modulates RLIP76/RALBP1 Electrophile-Glutathione Conjugate Transporter and Housekeeping Genes in Human Blood-Brain Barrier Endothelial Cells. PLoS ONE, 2015, 10, e0139101.	2.5	15

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37	Recent Advances in Additive Manufacturing and 3D Bioprinting for Organs-On-A-Chip and Microphysiological Systems. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 837087.	4.1	15
38	Lectin binding patterns reflect the phenotypic status of in vitro chondrocyte models. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2009, 45, 351-360.	1.5	14
39	Medical Plant Extracts for Treating Knee Osteoarthritis: a Snapshot of Recent Clinical Trials and Their Biological Background. <i>Current Rheumatology Reports</i> , 2015, 17, 54.	4.7	14
40	Radiosynthesis of 3-(2- ¹⁸ F-fluoro)-flumazenil ([¹⁸ F]FFMZ). <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2003, 46, 1229-1240.	1.0	12
41	Preservation of aerial conidia and biomasses from entomopathogenic fungi <i>Beauveria brongniartii</i> and <i>Metarhizium anisopliae</i> during lyophilization. <i>Journal of Invertebrate Pathology</i> , 2010, 105, 16-23.	3.2	10
42	In vitro evaluation of no carrier added, carrier added and cross-complexed [⁹⁰ Y]-EDTMP provides evidence for a novel "foreign carrier theory". <i>Nuclear Medicine and Biology</i> , 2006, 33, 95-99.	0.6	9
43	What to consider in the development of new bone seekers: mechanistic and tracer-related aspects. <i>Nuclear Medicine and Biology</i> , 2008, 35, 817-824.	0.6	8
44	Galectins-1 and -3 in Human Intervertebral Disc Degeneration: Non-Uniform Distribution Profiles and Activation of Disease Markers Involving NF- κ B by Galectin-1. <i>Journal of Orthopaedic Research</i> , 2019, 37, 2204-2216.	2.3	8
45	N-glycan profiling of chondrocytes and fibroblast-like synoviocytes: Towards functional glycomics in osteoarthritis. <i>Proteomics - Clinical Applications</i> , 2021, 15, e2000057.	1.6	8
46	Biological Regeneration of Articular Cartilage in an Early Stage of Compartmentalized Osteoarthritis: 12-Month Results. <i>American Journal of Sports Medicine</i> , 2020, 48, 1338-1346.	4.2	7
47	Characterization of the Inducible and Slow-Releasing Hydrogen Sulfide and Persulfide Donor P*: Insights into Hydrogen Sulfide Signaling. <i>Antioxidants</i> , 2021, 10, 1049.	5.1	7
48	The Dysregulated Galectin Network Activates NF- κ B to Induce Disease Markers and Matrix Degeneration in 3D Pellet Cultures of Osteoarthritic Chondrocytes. <i>Calcified Tissue International</i> , 2021, 108, 377-390.	3.1	6
49	An in vitro model for the comparative evaluation of bone seeking pharmaceuticals. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2008, 25, 51-55.	1.5	6
50	Hydrolyzed Flavonoids from <i>Cyrtosperma johnstonii</i> with Superior Antioxidant, Antiproliferative, and Anti-Inflammatory Potential for Cancer Prevention. <i>Molecules</i> , 2022, 27, 3226.	3.8	4
51	A 3-Dimensional In Vitro Model of Zonally Organized Extracellular Matrix. <i>Cartilage</i> , 2019, , 194760351986532.	2.7	3
52	Growth surface-induced gene and protein expression patterns in Caco-2 cells. <i>Acta Biomaterialia</i> , 2008, 4, 1819-1826.	8.3	2
53	Radiopharmaceutical considerations on bone seeker uptake: should we learn from therapeutical targets of bisphosphonates?. <i>Nuclear Medicine and Biology</i> , 2011, 38, 617-618.	0.6	2
54	Long-term impact of sagittal malalignment on hardware after posterior fixation of the thoracolumbar spine: a retrospective study. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 387.	1.9	2

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55	Galectin network in osteoarthritis: galectin-4 programs a pathogenic signature of gene and effector expression in human chondrocytes in vitro. <i>Histochemistry and Cell Biology</i> , 2021, , .	1.7	2
56	A Progress Report and Roadmap for Microphysiological Systems and Organ-On-A-Chip Technologies to Be More Predictive Models in Human (Knee) Osteoarthritis. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	4.1	2
57	Reply to the comment on: comparison between chondroprotective effects of glucosamine, curcumin and diacerein in IL-1 β -stimulated C-28/I2 chondrocytes. <i>Osteoarthritis and Cartilage</i> , 2009, 17, 137.	1.3	0
58	Osteoarthritis Biology. <i>Learning Materials in Biosciences</i> , 2017, , 189-204.	0.4	0