

Andreas K Nessler

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

266
papers

10,832
citations

53
h-index

93
g-index

279
ext. papers

12,200
ext. citations

5
avg, IF

5.73
L-index

#	Paper	IF	Citations
266	The vascularization paradox of non-union formation.. <i>Angiogenesis</i> , 2022 , 1	10.6	2
265	In vitro modeling of liver fibrosis in 3D microtissues using scalable micropatterning system.. <i>Archives of Toxicology</i> , 2022 , 1	5.8	1
264	Smoking Impairs Hematoma Formation and Dysregulates Angiogenesis as the First Steps of Fracture Healing. <i>Bioengineering</i> , 2022 , 9, 186	5.3	0
263	Development of an ischemic fracture healing model in mice.. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2022 , 93, 466-471	4.3	0
262	Establishment of an In Vitro Scab Model for Investigating Different Phases of Wound Healing. <i>Bioengineering</i> , 2022 , 9, 191	5.3	0
261	Maqui berry extract prevents cigarette smoke induced oxidative stress in human osteoblasts. <i>EXCLI Journal</i> , 2021 , 20, 281-296	2.4	4
260	Effects of immune cells on mesenchymal stem cells during fracture healing. <i>World Journal of Stem Cells</i> , 2021 , 13, 1670-1698	5.6	0
259	Effects of immune cells on mesenchymal stem cells during fracture healing.. <i>World Journal of Stem Cells</i> , 2021 , 13, 1667-1695	5.6	0
258	Modulation of Macrophage Activity by Pulsed Electromagnetic Fields in the Context of Fracture Healing. <i>Bioengineering</i> , 2021 , 8,	5.3	3
257	3D Environment Is Required In Vitro to Demonstrate Altered Bone Metabolism Characteristic for Type 2 Diabetics. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
256	Tissue-Specific Microparticles Improve Organoid Microenvironment for Efficient Maturation of Pluripotent Stem-Cell-Derived Hepatocytes. <i>Cells</i> , 2021 , 10,	7.9	5
255	Exposure to 16 Hz Pulsed Electromagnetic Fields Protect the Structural Integrity of Primary Cilia and Associated TGF- β Signaling in Osteoprogenitor Cells Harmed by Cigarette Smoke. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
254	The relationship between healthy lifestyles and bone health: A narrative review. <i>Medicine (United States)</i> , 2021 , 100, e24684	1.8	2
253	Osteolectin stromal cells: Mechanical stimulation improves bone regeneration and supports bacterial clearance after fracture. <i>Signal Transduction and Targeted Therapy</i> , 2021 , 6, 257	21	0
252	Altered Secretome of Diabetic Monocytes Could Negatively Influence Fracture Healing-An In Vitro Study. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
251	The Art of Inducing Hypoxia. <i>Oxygen</i> , 2021 , 1, 46-61		1
250	A simple method for decellularizing a cell-derived matrix for bone cell cultivation and differentiation. <i>Journal of Materials Science: Materials in Medicine</i> , 2021 , 32, 124	4.5	1

249	Update on Novel Non-Operative Treatment for Osteoarthritis: Current Status and Future Trends. <i>Frontiers in Pharmacology</i> , 2021 , 12, 755230	5.6	2
248	Synthesis and Characterization of a Novel Biocompatible Alloy, Ti-Nb-Zr-Ta-Sn. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
247	E-vapor aerosols do not compromise bone integrity relative to cigarette smoke after 6-month inhalation in an ApoE mouse model. <i>Archives of Toxicology</i> , 2020 , 94, 2163-2177	5.8	6
246	Development of Scaffolds with Adjusted Stiffness for Mimicking Disease-Related Alterations of Liver Rigidity. <i>Journal of Functional Biomaterials</i> , 2020 , 11,	4.8	3
245	Primary Human Chondrocytes Affected by Cigarette Smoke-Therapeutic Challenges. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	6
244	Material-Dependent Formation and Degradation of Bone Matrix-Comparison of Two Cryogels. <i>Bioengineering</i> , 2020 , 7,	5.3	5
243	Risk of malnutrition in orthopedic trauma patients with surgical site infections is associated with increased morbidity and mortality - a 3-year follow-up study. <i>Injury</i> , 2020 , 51, 2219-2229	2.5	5
242	Towards improved hepatocyte cultures: Progress and limitations. <i>Food and Chemical Toxicology</i> , 2020 , 138, 111188	4.7	28
241	Bio-impedance measurement allows displaying the early stages of neutrophil extracellular traps. <i>EXCLI Journal</i> , 2020 , 19, 1481-1495	2.4	2
240	Feasibility of Cell Lines for In Vitro Co-Cultures Models for Bone Metabolism. <i>SciMedicine Journal</i> , 2020 , 2, 157-181	7	8
239	Tissue Engineering in Liver Regenerative Medicine: Insights into Novel Translational Technologies. <i>Cells</i> , 2020 , 9,	7.9	31
238	Bisphosphonates Reduce Smoking-Induced Osteoporotic-Like Alterations by Regulating RANKL/OPG in an Osteoblast and Osteoclast Co-Culture Model. <i>International Journal of Molecular Sciences</i> , 2020 , 22,	6.3	8
237	Assessment of tobacco heating system 2.4 on osteogenic differentiation of mesenchymal stem cells and primary human osteoblasts compared to conventional cigarettes. <i>World Journal of Stem Cells</i> , 2020 , 12, 841-856	5.6	5
236	Long noncoding RNA Gm20319, acting as competing endogenous RNA, regulated GNE expression by sponging miR-7240-5p to involve in deoxynivalenol-induced liver damage in vitro. <i>Food and Chemical Toxicology</i> , 2020 , 141, 111435	4.7	6
235	Heme oxygenase-1 regulates autophagy through carbon-oxygen to alleviate deoxynivalenol-induced hepatic damage. <i>Archives of Toxicology</i> , 2020 , 94, 573-588	5.8	6
234	Increasing Age, the Existence of Comorbidities, and Corticosteroid Treatment in Combination With Antiviral Therapy Prolongs the Recovery of SARS-COV-2-Infected Patients, Measured as the Conversion From Positive to Negative rtPCR: A 239 Patients Retrospective Study. <i>Frontiers in Medicine</i> , 2020 , 7, 575439	4.9	2
233	Precision-cut liver slices as an alternative method for long-term hepatotoxicity studies. <i>Archives of Toxicology</i> , 2020 , 94, 2889-2891	5.8	4
232	Use of in vitro bone models to screen for altered bone metabolism, osteopathies, and fracture healing: challenges of complex models. <i>Archives of Toxicology</i> , 2020 , 94, 3937-3958	5.8	5

231	Epigenetic Modifications of the Liver Tumor Cell Line HepG2 Increase Their Drug Metabolic Capacity. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	17
230	Cigarette Smoke Induces the Risk of Metabolic Bone Diseases: Transforming Growth Factor Beta Signaling Impairment via Dysfunctional Primary Cilia Affects Migration, Proliferation, and Differentiation of Human Mesenchymal Stem Cells. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	24
229	Hepatic Osteodystrophy-Molecular Mechanisms Proposed to Favor Its Development. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	13
228	Hemocompatibility of different burn wound dressings. <i>Wound Repair and Regeneration</i> , 2019 , 27, 470-476	6.6	7
227	Prenatal liver stromal cells: Favorable feeder cells for long-term culture of hepatic progenitor cells. <i>Journal of Cellular Biochemistry</i> , 2019 , 120, 16624-16633	4.7	3
226	Exogenous Delivery of Link N mRNA into Chondrocytes and MSCs-The Potential Role in Increasing Anabolic Response. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	5
225	Heme oxygenase-1 attenuates low-dose of deoxynivalenol-induced liver inflammation potentially associating with microbiota. <i>Toxicology and Applied Pharmacology</i> , 2019 , 374, 20-31	4.6	13
224	Smoking Dependent Alterations in Bone Formation and Inflammation Represent Major Risk Factors for Complications Following Total Joint Arthroplasty. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	14
223	Assessment of the Influence of Diabetes mellitus and Malnutrition on the Postoperative Complication Rate and Quality of Life of Patients in a Clinic Focused on Trauma Surgery. <i>Zeitschrift Fur Orthopadie Und Unfallchirurgie</i> , 2019 , 157, 173-182	1.1	3
222	Identification of the Secreted Proteins Originated from Primary Human Hepatocytes and HepG2 Cells. <i>Nutrients</i> , 2019 , 11,	6.7	8
221	Impact of Four Protein Additives in Cryogels on Osteogenic Differentiation of Adipose-Derived Mesenchymal Stem Cells. <i>Bioengineering</i> , 2019 , 6,	5.3	8
220	Intervertebral Disc Nucleus Repair: Hype or Hope?. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	26
219	One-Step ARMS-PCR for the Detection of SNPs-Using the Example of the Gene. <i>Methods and Protocols</i> , 2019 , 2,	2.5	8
218	The continuous downgrading of malnutrition in the German DRG system: possible effects on the treatment of patients at risk for malnutrition. <i>EXCLI Journal</i> , 2019 , 18, 370-381	2.4	1
217	Preoperative Ascorbic Acid Levels in Proximal Femur Fracture Patients Have No Postoperative Clinical Impact, While Ascorbic Acid Levels upon Discharge Have a Major Effect on Postoperative Outcome. <i>Journal of Clinical Medicine</i> , 2019 , 9,	5.1	5
216	Cell-Type-Specific Quantification of a Scaffold-Based 3D Liver Co-Culture. <i>Methods and Protocols</i> , 2019 , 3,	2.5	9
215	Pulsed Electromagnetic Field Therapy Improves Osseous Consolidation after High Tibial Osteotomy in Elderly Patients-A Randomized, Placebo-Controlled, Double-Blind Trial. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	8
214	Translational Insights into Extremely Low Frequency Pulsed Electromagnetic Fields (ELF-PEMFs) for Bone Regeneration after Trauma and Orthopedic Surgery. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	16

213	Prospective Views for Whey Protein and/or Resistance Training Against Age-related Sarcopenia 2019 , 10, 157-173		23
212	Food raw materials and food production occurrences of deoxynivalenol in different regions. <i>Trends in Food Science and Technology</i> , 2019 , 83, 41-52	15.3	13
211	Ethanol sensitizes hepatocytes for TGF- β -triggered apoptosis. <i>Cell Death and Disease</i> , 2018 , 9, 51	9.8	14
210	Resveratrol protects primary cilia integrity of human mesenchymal stem cells from cigarette smoke to improve osteogenic differentiation in vitro. <i>Archives of Toxicology</i> , 2018 , 92, 1525-1538	5.8	20
209	Deoxynivalenol, gut microbiota and immunotoxicity: A potential approach?. <i>Food and Chemical Toxicology</i> , 2018 , 112, 342-354	4.7	54
208	Immune Cell Induced Migration of Osteoprogenitor Cells Is Mediated by TGF- β -Dependent Upregulation of NOX4 and Activation of Focal Adhesion Kinase. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	14
207	Co-Culture with Human Osteoblasts and Exposure to Extremely Low Frequency Pulsed Electromagnetic Fields Improve Osteogenic Differentiation of Human Adipose-Derived Mesenchymal Stem Cells. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	21
206	Interview based malnutrition assessment can predict adverse events within 6 months after primary and revision arthroplasty - a prospective observational study of 351 patients. <i>BMC Musculoskeletal Disorders</i> , 2018 , 19, 83	2.8	8
205	Current major degradation methods for aflatoxins: A review. <i>Trends in Food Science and Technology</i> , 2018 , 80, 155-166	15.3	45
204	Donor Site Location Is Critical for Proliferation, Stem Cell Capacity, and Osteogenic Differentiation of Adipose Mesenchymal Stem/Stromal Cells: Implications for Bone Tissue Engineering. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	25
203	From the Clinical Problem to the Basic Research-Co-Culture Models of Osteoblasts and Osteoclasts. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	22
202	Nicotine and Cotinine Inhibit Catalase and Glutathione Reductase Activity Contributing to the Impaired Osteogenesis of SCP-1 Cells Exposed to Cigarette Smoke. <i>Oxidative Medicine and Cellular Longevity</i> , 2018 , 2018, 3172480	6.7	34
201	A Standardized Collagen-Based Scaffold Improves Human Hepatocyte Shipment and Allows Metabolic Studies over 10 Days. <i>Bioengineering</i> , 2018 , 5,	5.3	17
200	Umsetzung von ernährungsmedizinischen Leitlinien in Schwerpunktzentren für Alterstraumatologie – eine stichprobenartige Untersuchung zweier Kliniken. <i>Aktuelle Ernährungsmedizin Klinik Und Praxis</i> , 2018 , 43, 272-283	0.3	
199	cGMP-dependent protein kinase I (cGKI) modulates human hepatic stellate cell activation. <i>Metabolism: Clinical and Experimental</i> , 2018 , 88, 22-30	12.7	14
198	BMP9 a possible alternative drug for the recently withdrawn BMP7? New perspectives for (re-)implementation by personalized medicine. <i>Archives of Toxicology</i> , 2017 , 91, 1353-1366	5.8	28
197	Age-dependent risk factors for malnutrition in traumatology and orthopedic patients. <i>Nutrition</i> , 2017 , 37, 60-67	4.8	10
196	Current and prospective sights in mechanism of deoxynivalenol-induced emesis for future scientific study and clinical treatment. <i>Journal of Applied Toxicology</i> , 2017 , 37, 784-791	4.1	6

195	TGF- β impairs mechanosensation of human osteoblasts via HDAC6-mediated shortening and distortion of primary cilia. <i>Journal of Molecular Medicine</i> , 2017 , 95, 653-663	5.5	28
194	Malnutrition - An underestimated factor in the inpatient treatment of traumatology and orthopedic patients: A prospective evaluation of 1055 patients. <i>Injury</i> , 2017 , 48, 628-636	2.5	33
193	Review of mechanisms of deoxynivalenol-induced anorexia: The role of gut microbiota. <i>Journal of Applied Toxicology</i> , 2017 , 37, 1021-1029	4.1	20
192	Mechanism of deoxynivalenol effects on the reproductive system and fetus malformation: Current status and future challenges. <i>Toxicology in Vitro</i> , 2017 , 41, 150-158	3.6	31
191	Current sights for mechanisms of deoxynivalenol-induced hepatotoxicity and prospective views for future scientific research: A mini review. <i>Journal of Applied Toxicology</i> , 2017 , 37, 518-529	4.1	29
190	Diagnostic power of diffusion-weighted magnetic resonance imaging for the presence of lymph node metastasis: A meta-analysis. <i>Journal of Huazhong University of Science and Technology [Medical Sciences]</i> , 2017 , 37, 469-474		1
189	Characterisation of porous knitted titanium for replacement of intervertebral disc nucleus pulposus. <i>Scientific Reports</i> , 2017 , 7, 16611	4.9	6
188	Extremely low frequency pulsed electromagnetic fields cause antioxidative defense mechanisms in human osteoblasts via induction of $\text{O}_2^{\cdot -}$ and HO. <i>Scientific Reports</i> , 2017 , 7, 14544	4.9	47
187	Gender and geographical variability in the exposure pattern and metabolism of deoxynivalenol in humans: a review. <i>Journal of Applied Toxicology</i> , 2017 , 37, 60-70	4.1	21
186	TGF- β -Dependent Downregulation of HDAC9 Inhibits Maturation of Human Osteoblasts. <i>Journal of Functional Morphology and Kinesiology</i> , 2017 , 2, 41	2.4	2
185	Embryotoxicity Caused by DON-Induced Oxidative Stress Mediated by Nrf2/HO-1 Pathway. <i>Toxins</i> , 2017 , 9,	4.9	26
184	Distinct Gene Expression Patterns Defining Human Osteoblasts Response to BMP2 Treatment: Is the Therapeutic Success All a Matter of Timing?. <i>European Surgical Research</i> , 2016 , 57, 197-210	1.1	6
183	Differentiation of human CD14+ monocytes: an experimental investigation of the optimal culture medium and evidence of a lack of differentiation along the endothelial line. <i>Experimental and Molecular Medicine</i> , 2016 , 48, e227	12.8	15
182	Imaging Cell Viability on Non-transparent Scaffolds - Using the Example of a Novel Knitted Titanium Implant. <i>Journal of Visualized Experiments</i> , 2016 ,	1.6	4
181	Gene network activity in cultivated primary hepatocytes is highly similar to diseased mammalian liver tissue. <i>Archives of Toxicology</i> , 2016 , 90, 2513-29	5.8	57
180	Peripheral Blood Monocytes as Adult Stem Cells: Molecular Characterization and Improvements in Culture Conditions to Enhance Stem Cell Features and Proliferative Potential. <i>Stem Cells International</i> , 2016 , 2016, 7132751	5	15
179	Crucial Role of Vitamin D in the Musculoskeletal System. <i>Nutrients</i> , 2016 , 8,	6.7	101
178	Vitamin C enhances epigenetic modifications induced by 5-azacytidine and cell cycle arrest in the hepatocellular carcinoma cell lines HLE and Huh7. <i>Clinical Epigenetics</i> , 2016 , 8, 46	7.7	36

177	Vitamin C Enhances Epigenetic Modifications Induced by 5-Azacytidine on Cell Cycle Arrest in Hepatocellular Carcinoma. <i>Journal of Hepatology</i> , 2016 , 64, S701	13.4	2
176	Adult Stem Cells 2015 , 1-23		
175	Effects of three kinds of curcuminoids on anti-oxidative system and membrane deformation of human peripheral blood erythrocytes in high glucose levels. <i>Cellular Physiology and Biochemistry</i> , 2015 , 35, 789-802	3.9	15
174	Human sterol regulatory element-binding protein 1a contributes significantly to hepatic lipogenic gene expression. <i>Cellular Physiology and Biochemistry</i> , 2015 , 35, 803-15	3.9	16
173	3D Cultivation Techniques for Primary Human Hepatocytes. <i>Microarrays (Basel, Switzerland)</i> , 2015 , 4, 64-83		40
172	Induction of active demethylation and 5hmC formation by 5-azacytidine is TET2 dependent and suggests new treatment strategies against hepatocellular carcinoma. <i>Clinical Epigenetics</i> , 2015 , 7, 98	7.7	45
171	Gene networks and transcription factor motifs defining the differentiation of stem cells into hepatocyte-like cells. <i>Journal of Hepatology</i> , 2015 , 63, 934-42	13.4	107
170	Featured Article: Isolation, characterization, and cultivation of human hepatocytes and non-parenchymal liver cells. <i>Experimental Biology and Medicine</i> , 2015 , 240, 645-56	3.7	60
169	Carboxymefloquine, the major metabolite of the antimalarial drug mefloquine, induces drug-metabolizing enzyme and transporter expression by activation of pregnane X receptor. <i>Antimicrobial Agents and Chemotherapy</i> , 2015 , 59, 96-104	5.9	19
168	Pregnane X receptor activation and silencing promote steatosis of human hepatic cells by distinct lipogenic mechanisms. <i>Archives of Toxicology</i> , 2015 , 89, 2089-103	5.8	53
167	Serum-free culture of primary human hepatocytes in a miniaturized hollow-fibre membrane bioreactor for pharmacological in vitro studies. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015 , 9, 1017-26	4.4	39
166	Pluripotency gene expression and growth control in cultures of peripheral blood monocytes during their conversion into programmable cells of monocytic origin (PCMO): evidence for a regulatory role of autocrine activin and TGF- β . <i>PLoS ONE</i> , 2015 , 10, e0118097	3.7	6
165	Subtoxic Concentrations of Hepatotoxic Drugs Lead to Kupffer Cell Activation in a Human In Vitro Liver Model: An Approach to Study DILI. <i>Mediators of Inflammation</i> , 2015 , 2015, 640631	4.3	24
164	DNA Methylation: A Possible Target for Current and Future Studies on Cancer? 2015 , 1, 5-13		
163	Primary human osteoblasts with reduced alkaline phosphatase and matrix mineralization baseline capacity are responsive to extremely low frequency pulsed electromagnetic field exposure - Clinical implication possible. <i>Bone Reports</i> , 2015 , 3, 48-56	2.6	32
162	Factors circulating in the blood of type 2 diabetes mellitus patients affect osteoblast maturation - description of a novel in vitro model. <i>Experimental Cell Research</i> , 2015 , 332, 247-58	4.2	36
161	Age-dependent changes of the antioxidant system in rat livers are accompanied by altered MAPK activation and a decline in motor signaling. <i>EXCLI Journal</i> , 2015 , 14, 1273-90	2.4	8
160	Therapeutic peritoneal lavage with warm saline solution as an option for a critical hypothermic trauma patient. <i>Wiener Klinische Wochenschrift</i> , 2014 , 126, 56-61	2.3	6

159	Long-term culture of primary hepatocytes: new matrices and microfluidic devices. <i>Hepatology International</i> , 2014 , 8, 14-22	8.8	18
158	Chronic CCl4 intoxication causes liver and bone damage similar to the human pathology of hepatic osteodystrophy: a mouse model to analyse the liver-bone axis. <i>Archives of Toxicology</i> , 2014 , 88, 997-1006	5.8	24
157	Oxidative stress-mediated cytotoxicity and metabolism of T-2 toxin and deoxynivalenol in animals and humans: an update. <i>Archives of Toxicology</i> , 2014 , 88, 1309-26	5.8	169
156	Gene expression changes in cancellous bone of type 2 diabetics: a biomolecular basis for diabetic bone disease. <i>Langenbeck's Archives of Surgery</i> , 2014 , 399, 639-47	3.4	5
155	Green Tea Extract (GTE) improves differentiation in human osteoblasts during oxidative stress. <i>Journal of Inflammation</i> , 2014 , 11, 15	6.7	26
154	Increased oxidative stress response in granulocytes from older patients with a hip fracture may account for slow regeneration. <i>Oxidative Medicine and Cellular Longevity</i> , 2014 , 2014, 819847	6.7	10
153	Toxicogenomics directory of chemically exposed human hepatocytes. <i>Archives of Toxicology</i> , 2014 , 88, 2261-87	5.8	74
152	The immune response after fracture trauma is different in old compared to young patients. <i>Immunity and Ageing</i> , 2014 , 11, 20	9.7	23
151	Darbepoetin inhibits proliferation of hepatic cancer cells in the presence of TGF- β <i>Archives of Toxicology</i> , 2014 , 88, 89-96	5.8	3
150	Deoxynivalenol induced oxidative stress and genotoxicity in human peripheral blood lymphocytes. <i>Food and Chemical Toxicology</i> , 2014 , 64, 383-96	4.7	73
149	5-azacytidine improves the osteogenic differentiation potential of aged human adipose-derived mesenchymal stem cells by DNA demethylation. <i>PLoS ONE</i> , 2014 , 9, e90846	3.7	56
148	Hepatic 3D cultures but not 2D cultures preserve specific transporter activity for acetaminophen-induced hepatotoxicity. <i>Archives of Toxicology</i> , 2013 , 87, 1581-93	5.8	81
147	Recent advances in 2D and 3D in vitro systems using primary hepatocytes, alternative hepatocyte sources and non-parenchymal liver cells and their use in investigating mechanisms of hepatotoxicity, cell signaling and ADME. <i>Archives of Toxicology</i> , 2013 , 87, 1315-530	5.8	837
146	Anti-diabetic treatment regulates pro-fibrotic TGF- β serum levels in type 2 diabetics. <i>Diabetology and Metabolic Syndrome</i> , 2013 , 5, 48	5.6	16
145	Human parenchymal and non-parenchymal liver cell isolation, culture and characterization. <i>Hepatology International</i> , 2013 , 7, 951-8	8.8	23
144	Increased apoptosis induction in hepatocellular carcinoma by a novel tumor-targeted TRAIL fusion protein combined with bortezomib. <i>Hepatology</i> , 2013 , 57, 625-36	11.2	42
143	Pharmacokinetics explain in vivo/in vitro discrepancies of carcinogen-induced gene expression alterations in rat liver and cultivated hepatocytes. <i>Archives of Toxicology</i> , 2013 , 87, 337-45	5.8	31
142	Endothelial differentiation of adipose-derived mesenchymal stem cells is improved by epigenetic modifying drug BIX-01294. <i>European Journal of Cell Biology</i> , 2013 , 92, 70-9	6.1	33

141	Modeling hepatic osteodystrophy in Abcb4 deficient mice. <i>Bone</i> , 2013 , 55, 501-11	4.7	13
140	Real-time in situ viability assessment in a 3D bioreactor with liver cells using resazurin assay. <i>Cytotechnology</i> , 2013 , 65, 297-305	2.2	14
139	Quinocetone triggers oxidative stress and induces cytotoxicity and genotoxicity in human peripheral lymphocytes of both genders. <i>Journal of the Science of Food and Agriculture</i> , 2013 , 93, 1317-25	4.3	26
138	Postoperative bile leakage inhibits liver regeneration after 70% hepatectomy in rats. <i>Journal of Investigative Surgery</i> , 2013 , 26, 36-45	1.2	15
137	Response to the "enhancement of human peripheral blood mononuclear cell transplantation-mediated bone formation" by Yang et al. <i>Cell Transplantation</i> , 2013 , 22, 1955-7	4	1
136	Decrease of global methylation improves significantly hepatic differentiation of Ad-MSCs: possible future application for urea detoxification. <i>Cell Transplantation</i> , 2013 , 22, 119-31	4	29
135	The right choice of antihypertensives protects primary human hepatocytes from ethanol- and recombinant human TGF- β -induced cellular damage. <i>Hepatic Medicine: Evidence and Research</i> , 2013 , 5, 31-41	3.4	2
134	Biotransformation of diclofenac and effects on the metabolome of primary human hepatocytes upon repeated dose exposure. <i>European Journal of Pharmaceutical Sciences</i> , 2012 , 45, 716-24	5.1	17
133	Curcumin prevents chronic alcohol-induced liver disease involving decreasing ROS generation and enhancing antioxidative capacity. <i>Phytomedicine</i> , 2012 , 19, 545-50	6.5	72
132	Comparative analysis of phase I and II enzyme activities in 5 hepatic cell lines identifies Huh-7 and HCC-T cells with the highest potential to study drug metabolism. <i>Archives of Toxicology</i> , 2012 , 86, 87-95	5.8	71
131	Green tea protects human osteoblasts from cigarette smoke-induced injury: possible clinical implication. <i>Langenbeck's Archives of Surgery</i> , 2012 , 397, 467-74	3.4	21
130	Human hepatocytes: isolation, culture, and quality procedures. <i>Methods in Molecular Biology</i> , 2012 , 806, 99-120	1.4	34
129	Hyperinsulinemia reduces osteoblast activity in vitro via upregulation of TGF- β . <i>Journal of Molecular Medicine</i> , 2012 , 90, 1257-66	5.5	22
128	Heme oxygenase-1 mediates the protective role of quercetin against ethanol-induced rat hepatocytes oxidative damage. <i>Toxicology in Vitro</i> , 2012 , 26, 74-80	3.6	53
127	EGF and HB-EGF enhance the proliferation of programmable cells of monocytic origin (PCMO) through activation of MEK/ERK signaling and improve differentiation of PCMO-derived hepatocyte-like cells. <i>Cell Communication and Signaling</i> , 2012 , 10, 23	7.5	17
126	PPARA: a novel genetic determinant of CYP3A4 in vitro and in vivo. <i>Clinical Pharmacology and Therapeutics</i> , 2012 , 91, 1044-52	6.1	108
125	Monocytes do not transdifferentiate into proper osteoblasts. <i>Scientific World Journal</i> , 2012 , 2012, 384936	2.2	5
124	Peripheral Blood Monocytes Can Be Induced to Acquire Stem Cell-Like Properties 2012 , 367-375		

123	Analysis of drug metabolism activities in a miniaturized liver cell bioreactor for use in pharmacological studies. <i>Biotechnology and Bioengineering</i> , 2012 , 109, 3172-81	4.9	60
122	Diallyl-disulphide is the effective ingredient of garlic oil that protects primary human osteoblasts from damage due to cigarette smoke. <i>Food Chemistry</i> , 2012 , 132, 724-729	8.5	10
121	Posttranslational modification of vesicular stomatitis virus glycoprotein, but not JNK inhibition, is the antiviral mechanism of SP600125. <i>Journal of Virology</i> , 2012 , 86, 4844-55	6.6	6
120	Scaling down of a clinical three-dimensional perfusion multicompartiment hollow fiber liver bioreactor developed for extracorporeal liver support to an analytical scale device useful for hepatic pharmacological in vitro studies. <i>Tissue Engineering - Part C: Methods</i> , 2011 , 17, 549-56	2.9	94
119	Further characterization of autologous NeoHepatocytes for in vitro toxicity testing. <i>Toxicology in Vitro</i> , 2011 , 25, 1203-8	3.6	2
118	Quercetin protects primary human osteoblasts exposed to cigarette smoke through activation of the antioxidative enzymes HO-1 and SOD-1. <i>Scientific World Journal, The</i> , 2011 , 11, 2348-57	2.2	37
117	Autologous serum improves yield and metabolic capacity of monocyte-derived hepatocyte-like cells: possible implication for cell transplantation. <i>Cell Transplantation</i> , 2011 , 20, 1465-77	4	17
116	In vitro differentiated adult human liver progenitor cells display mature hepatic metabolic functions: a potential tool for in vitro pharmacotoxicological testing. <i>Cell Transplantation</i> , 2011 , 20, 287-302	4	43
115	HepaRG human hepatic cell line utility as a surrogate for primary human hepatocytes in drug metabolism assessment in vitro. <i>Journal of Pharmacological and Toxicological Methods</i> , 2011 , 63, 59-68	1.7	156
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