Sabrina Ehnert

List of Publications by Year
in descending order

102	2,591	159358	233125
papers	citations	30 h-index	45 g-index

105	105	105	3790
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hepatocyte-Specific Smad7 Expression Attenuates TGF-Î²â€“Mediated Fibrogenesis and Protects Against Liver Damage. Gastroenterology, 2008, 135, 642-659.e46.	0.6	258
2	Crucial Role of Vitamin D in the Musculoskeletal System. Nutrients, 2016, 8, 319.	1.7	148
3	TGF-Î²1 As Possible Link between Loss of Bone Mineral Density and Chronic Inflammation. PLoS ONE, 2010, 5, e14073.	1.1	82
4	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. Archives of Toxicology, 2012, 86, 87-95.	1.9	80
5	5-Azacytidine Improves the Osteogenic Differentiation Potential of Aged Human Adipose-Derived Mesenchymal Stem Cells by DNA Demethylation. PLoS ONE, 2014, 9, e90846.	1.1	71
6	Extremely low frequency pulsed electromagnetic fields cause antioxidative defense mechanisms in human osteoblasts via induction of â€¢O2 â^' and H2O2. Scientific Reports, 2017, 7, 14544.	1.6	70
7	Transforming growth factor Î²1 inhibits bone morphogenic protein (BMP)-2 and BMP-7 signaling via upregulation of Ski-related novel protein N (SnoN): possible mechanism for the failure of BMP therapy?. BMC Medicine, 2012, 10, 101.	2.3	60
8	Induction of active demethylation and 5hmC formation by 5-azacytidine is TET2 dependent and suggests new treatment strategies against hepatocellular carcinoma. Clinical Epigenetics, 2015, 7, 98.	1.8	55
9	Nicotine and Cotinine Inhibit Catalase and Glutathione Reductase Activity Contributing to the Impaired Osteogenesis of SCP-1 Cells Exposed to Cigarette Smoke. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-13.	1.9	55
10	Intervertebral Disc Nucleus Repair: Hype or Hope?. International Journal of Molecular Sciences, 2019, 20, 3622.	1.8	55
11	Disruption of the Smad7 gene enhances CCl₄â€dependent liver damage and fibrogenesis in mice. Journal of Cellular and Molecular Medicine, 2008, 12, 2130-2144.	1.6	54
12	The possible use of stem cells in regenerative medicine: dream or reality?. Langenbeck's Archives of Surgery, 2009, 394, 985-997.	0.8	50
13	TGF-Î² enhances alcohol dependent hepatocyte damage via down-regulation of alcohol dehydrogenase I. Journal of Hepatology, 2010, 52, 407-416.	1.8	50
14	In Vitro Differentiated Adult Human Liver Progenitor Cells Display Mature Hepatic Metabolic Functions: A Potential Tool for in Vitro Pharmacotoxicological Testing. Cell Transplantation, 2011, 20, 287-302.	1.2	49
15	Towards improved hepatocyte cultures: Progress and limitations. Food and Chemical Toxicology, 2020, 138, 111188.	1.8	49
16	Quercetin Protects Primary Human Osteoblasts Exposed to Cigarette Smoke through Activation of the Antioxidative Enzymes HO-1 and SOD-1. Scientific World Journal, The, 2011, 11, 2348-2357.	0.8	48
17	Primary human osteoblasts with reduced alkaline phosphatase and matrix mineralization baseline capacity are responsive to extremely low frequency pulsed electromagnetic field exposure â€" Clinical implication possible. Bone Reports, 2015, 3, 48-56.	0.2	48
18	Human Hepatocytes: Isolation, Culture, and Quality Procedures. Methods in Molecular Biology, 2012, 806, 99-120.	0.4	46

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19	TGF-Î²1 impairs mechanosensation of human osteoblasts via HDAC6-mediated shortening and distortion of primary cilia. Journal of Molecular Medicine, 2017, 95, 653-663.	1.7	46
20	Hepatic Osteodystrophyâ€"Molecular Mechanisms Proposed to Favor Its Development. International Journal of Molecular Sciences, 2019, 20, 2555.	1.8	43
21	Breast milk contains relevant neurotrophic factors and cytokines for enteric nervous system development. Molecular Nutrition and Food Research, 2011, 55, 1592-1596.	1.5	41
22	Chronic CCl4 intoxication causes liver and bone damage similar to the human pathology of hepatic osteodystrophy: a mouse model to analyse the liverâ€"bone axis. Archives of Toxicology, 2014, 88, 997-1006.	1.9	41
23	Factors circulating in the blood of type 2 diabetes mellitus patients affect osteoblast maturation â€" Description of a novel in vitro model. Experimental Cell Research, 2015, 332, 247-258.	1.2	38
24	BMP9 a possible alternative drug for the recently withdrawn BMP7? New perspectives for (re-)implementation by personalized medicine. Archives of Toxicology, 2017, 91, 1353-1366.	1.9	37
25	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. International Journal of Molecular Sciences, 2019, 20, 2915.	1.8	37
26	Translational Insights into Extremely Low Frequency Pulsed Electromagnetic Fields (ELF-PEMFs) for Bone Regeneration after Trauma and Orthopedic Surgery. Journal of Clinical Medicine, 2019, 8, 2028.	1.0	35
27	Co-Culture with Human Osteoblasts and Exposure to Extremely Low Frequency Pulsed Electromagnetic Fields Improve Osteogenic Differentiation of Human Adipose-Derived Mesenchymal Stem Cells. International Journal of Molecular Sciences, 2018, 19, 994.	1.8	34
28	From the Clinical Problem to the Basic Researchâ€"Co-Culture Models of Osteoblasts and Osteoclasts. International Journal of Molecular Sciences, 2018, 19, 2284.	1.8	33
29	Decrease of Global Methylation Improves Significantly Hepatic Differentiation of Ad-MSCs: Possible Future Application for Urea Detoxification. Cell Transplantation, 2013, 22, 119-131.	1.2	32
30	Donor Site Location Is Critical for Proliferation, Stem Cell Capacity, and Osteogenic Differentiation of Adipose Mesenchymal Stem/Stromal Cells: Implications for Bone Tissue Engineering. International Journal of Molecular Sciences, 2018, 19, 1868.	1.8	32
31	Hyperinsulinemia reduces osteoblast activity in vitro via upregulation of TGF-Î². Journal of Molecular Medicine, 2012, 90, 1257-1266.	1.7	30
32	L-carnosine inhibits high-glucose-mediated matrix accumulation in human mesangial cells by interfering with TGF-Â production and signalling. Nephrology Dialysis Transplantation, 2011, 26, 3852-3858.	0.4	28
33	Smoking Dependent Alterations in Bone Formation and Inflammation Represent Major Risk Factors for Complications Following Total Joint Arthroplasty. Journal of Clinical Medicine, 2019, 8, 406.	1.0	28
34	Resveratrol protects primary cilia integrity of human mesenchymal stem cells from cigarette smoke to improve osteogenic differentiation in vitro. Archives of Toxicology, 2018, 92, 1525-1538.	1.9	27
35	Circulating growth/differentiation factor 15 is associated with human CD56bright natural killer cell dysfunction and nosocomial infection in severe systemic inflammation. EBioMedicine, 2019, 43, 380-391.	2.7	27
36	Green tea protects human osteoblasts from cigarette smoke-induced injury: possible clinical implication. Langenbeck's Archives of Surgery, 2012, 397, 467-474.	0.8	26

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37	Blood Monocyte-Derived Neohepatocytes as in Vitro Test System for Drug Metabolism. Drug Metabolism and Disposition, 2008, 36, 1922-1929.	1.7	25
38	A Standardized Collagen-Based Scaffold Improves Human Hepatocyte Shipment and Allows Metabolic Studies over 10 Days. Bioengineering, 2018, 5, 86.	1.6	25
39	Protective Role of HO-1 for Alcohol-Dependent Liver Damage. Digestive Diseases, 2010, 28, 792-798.	0.8	24
40	Endogenous Uteroglobin as Intrinsic Anti-inflammatory Signal Modulates Monocyte and Macrophage Subsets Distribution Upon Sepsis Induced Lung Injury. Frontiers in Immunology, 2019, 10, 2276.	2.2	23
41	Anti-diabetic treatment regulates pro-fibrotic TGF-Î² serum levels in type 2 diabetics. Diabetology and Metabolic Syndrome, 2013, 5, 48.	1.2	21
42	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. Cell Communication and Signaling, 2012, 10, 23.	2.7	20
43	The microenvironment in the Hirschsprung's disease gut supports myenteric plexus growth. International Journal of Colorectal Disease, 2012, 27, 817-829.	1.0	20
44	Modeling hepatic osteodystrophy in Abcb4 deficient mice. Bone, 2013, 55, 501-511.	1.4	20
45	Ethanol sensitizes hepatocytes for TGF-Î²-triggered apoptosis. Cell Death and Disease, 2018, 9, 51.	2.7	20
46	Autologous Serum Improves Yield and Metabolic Capacity of Monocyte-Derived Hepatocyte-Like Cells: Possible Implication for Cell Transplantation. Cell Transplantation, 2011, 20, 1465-1478.	1.2	18
47	Immune Cell Induced Migration of Osteoprogenitor Cells Is Mediated by TGF-Î² Dependent Upregulation of NOX4 and Activation of Focal Adhesion Kinase. International Journal of Molecular Sciences, 2018, 19, 2239.	1.8	18
48	Cell-Type-Specific Quantification of a Scaffold-Based 3D Liver Co-Culture. Methods and Protocols, 2020, 3, 1.	0.9	17
49	E-vapor aerosols do not compromise bone integrity relative to cigarette smoke after 6-month inhalation in an ApoEâ€“/â€“ mouse model. Archives of Toxicology, 2020, 94, 2163-2177.	1.9	17
50	Increased Oxidative Stress Response in Granulocytes from Older Patients with a Hip Fracture May Account for Slow Regeneration. Oxidative Medicine and Cellular Longevity, 2014, 2014, 1-9.	1.9	16
51	Use of in vitro bone models to screen for altered bone metabolism, osteopathies, and fracture healing: challenges of complex models. Archives of Toxicology, 2020, 94, 3937-3958.	1.9	16
52	Risk of malnutrition in orthopedic trauma patients with surgical site infections is associated with increased morbidity and mortality â€“ a 3-year follow-up study. Injury, 2020, 51, 2219-2229.	0.7	15
53	Modulation of Macrophage Activity by Pulsed Electromagnetic Fields in the Context of Fracture Healing. Bioengineering, 2021, 8, 167.	1.6	15
54	Effects of immune cells on mesenchymal stem cells during fracture healing. World Journal of Stem Cells, 2021, 13, 1667-1695.	1.3	15

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55	One-Step ARMS-PCR for the Detection of SNPsâ€"Using the Example of the PADI4 Gene. Methods and Protocols, 2019, 2, 63.	0.9	14
56	Primary Human Chondrocytes Affected by Cigarette Smokeâ€"Therapeutic Challenges. International Journal of Molecular Sciences, 2020, 21, 1901.	1.8	13
57	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. Journal of Clinical Medicine, 2020, 9, 66.	1.0	12
58	Assessment of tobacco heating system 2.4 on osteogenic differentiation of mesenchymal stem cells and primary human osteoblasts compared to conventional cigarettes. World Journal of Stem Cells, 2020, 12, 841-856.	1.3	12
59	Diallyl-disulphide is the effective ingredient of garlic oil that protects primary human osteoblasts from damage due to cigarette smoke. Food Chemistry, 2012, 132, 724-729.	4.2	11
60	Impact of Four Protein Additives in Cryogels on Osteogenic Differentiation of Adipose-Derived Mesenchymal Stem Cells. Bioengineering, 2019, 6, 67.	1.6	11
61	Pulsed Electromagnetic Field Therapy Improves Osseous Consolidation after High Tibial Osteotomy in Elderly Patientsâ€"A Randomized, Placebo-Controlled, Double-Blind Trial. Journal of Clinical Medicine, 2019, 8, 2008.	1.0	11
62	Exposure to 16 Hz Pulsed Electromagnetic Fields Protect the Structural Integrity of Primary Cilia and Associated TGF-Î² Signaling in Osteoprogenitor Cells Harmed by Cigarette Smoke. International Journal of Molecular Sciences, 2021, 22, 7036.	1.8	11
63	Synthesis and Characterization of a Novel Biocompatible Alloy, Ti-Nb-Zr-Ta-Sn. International Journal of Molecular Sciences, 2021, 22, 10611.	1.8	10
64	Feasibility of Cell Lines for In Vitro Co-Cultures Models for Bone Metabolism. SciMedicine Journal, 2020, 2, 157-181.	1.5	10
65	Therapeutic peritoneal lavage with warm saline solution as an option for a critical hypothermic trauma patient. Wiener Klinische Wochenschrift, 2014, 126, 56-61.	1.0	8
66	Gene expression changes in cancellous bone of type 2 diabetics: a biomolecular basis for diabetic bone disease. Langenbeck's Archives of Surgery, 2014, 399, 639-647.	0.8	8
67	Exogenous Delivery of Link N mRNA into Chondrocytes and MSCsâ€"The Potential Role in Increasing Anabolic Response. International Journal of Molecular Sciences, 2019, 20, 1716.	1.8	8
68	Development of Scaffolds with Adjusted Stiffness for Mimicking Disease-Related Alterations of Liver Rigidity. Journal of Functional Biomaterials, 2020, 11, 17.	1.8	8
69	The Art of Inducing Hypoxia. Oxygen, 2021, 1, 46-61.	1.6	8
70	A simple method for decellularizing a cell-derived matrix for bone cell cultivation and differentiation. Journal of Materials Science: Materials in Medicine, 2021, 32, 124.	1.7	8
71	Distinct Gene Expression Patterns Defining Human Osteoblasts' Response to BMP2 Treatment: Is the Therapeutic Success All a Matter of Timing?. European Surgical Research, 2016, 57, 197-210.	0.6	7
72	Precision-cut liver slices as an alternative method for long-term hepatotoxicity studies. Archives of Toxicology, 2020, 94, 2889-2891.	1.9	7

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73	Establishment of an In Vitro Scab Model for Investigating Different Phases of Wound Healing. Bioengineering, 2022, 9, 191.	1.6	7
74	NeoHepatocytes From Alcoholics and Controls Express Hepatocyte Markers and Display Reduced Fibrogenic TGFâ€Î²/Smad3 Signaling: Advantage for Cell Transplantation?. Alcoholism: Clinical and Experimental Research, 2010, 34, 708-718.	1.4	6
75	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-Î². PLoS ONE, 2015, 10, e0118097.	1.1	6
76	A quantitative study of transepidermal water loss (TEWL) on conventional and microclimate management capable mattresses and hospital beds. Journal of Tissue Viability, 2019, 28, 194-199.	0.9	6
77	Club cell protein 16 in sera from trauma patients modulates neutrophil migration and functionality via CXCR1 and CXCR2. Molecular Medicine, 2019, 25, 45.	1.9	6
78	Material-Dependent Formation and Degradation of Bone Matrixâ€"Comparison of Two Cryogels. Bioengineering, 2020, 7, 52.	1.6	6
79	Monocytes Do Not Transdifferentiate into Proper Osteoblasts. Scientific World Journal, The, 2012, 2012, 1-11.	0.8	5
80	TGF-Î²1-Dependent Downregulation of HDAC9 Inhibits Maturation of Human Osteoblasts. Journal of Functional Morphology and Kinesiology, 2017, 2, 41.	1.1	5
81	Ethyl Pyruvate Reduces Systemic Leukocyte Activation via Caspase-1 and NF-ÎºB After Blunt Chest Trauma and Haemorrhagic Shock. Frontiers in Medicine, 2020, 7, 562904.	1.2	5
82	Bio-impedance measurement allows displaying the early stages of neutrophil extracellular traps. EXCLI Journal, 2020, 19, 1481-1495.	0.5	5
83	N-acetylcyteine and flavonoid rich diet: The protective effect of 15 different antioxidants on cigarette smoke-damaged primary human osteoblasts. Advances in Bioscience and Biotechnology (Print), 2012, 03, 1129-1139.	0.3	5
84	CXCR4 and CXCR7 Inhibition Ameliorates the Formation of Plateletâ€"Neutrophil Complexes and Neutrophil Extracellular Traps through Adora2b Signaling. International Journal of Molecular Sciences, 2021, 22, 13576.	1.8	5
85	Darbepoetin inhibits proliferation of hepatic cancer cells in the presence of TGF-Î². Archives of Toxicology, 2014, 88, 89-96.	1.9	4
86	Imaging Cell Viability on Non-transparent Scaffolds — Using the Example of a Novel Knitted Titanium Implant. Journal of Visualized Experiments, 2016, , .	0.2	4
87	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. Zeitschrift Fur Orthopadie Und Unfallchirurgie, 2019, 157, 173-182.	0.4	4
88	3D Environment Is Required In Vitro to Demonstrate Altered Bone Metabolism Characteristic for Type 2 Diabetics. International Journal of Molecular Sciences, 2021, 22, 2925.	1.8	4
89	Altered Secretome of Diabetic Monocytes Could Negatively Influence Fracture Healingâ€"An In Vitro Study. International Journal of Molecular Sciences, 2021, 22, 9212.	1.8	4
90	Direct Current Electrical Fields Improve Experimental Wound Healing by Activation of Cytokine Secretion and Erk1/2 Pathway Stimulation. Life, 2021, 11, 1195.	1.1	4

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91	Hepatotropic growth factors protect hepatocytes during inflammation by upregulation of antioxidative systems. World Journal of Gastroenterology, 2011, 17, 2199.	1.4	3
92	Smoking Impairs Hematoma Formation and Dysregulates Angiogenesis as the First Steps of Fracture Healing. Bioengineering, 2022, 9, 186.	1.6	3
93	Further characterization of autologous NeoHepatocytes for in vitro toxicity testing. Toxicology in Vitro, 2011, 25, 1203-1208.	1.1	2
94	Cell therapeutic options in liver diseases: cell types, medical devices and regulatory issues. Journal of Materials Science: Materials in Medicine, 2011, 22, 1087-1099.	1.7	2
95	The right choice of antihypertensives protects primary human hepatocytes from ethanol- and recombinant human TGF-β1-induced cellular damage. Hepatic Medicine: Evidence and Research, 2013, 5, 31.	0.9	2
96	Transfection of Peripheral Blood Monocytes withSOX2Enhances Multipotency, Proliferation, and Redifferentiation into Neohepatocytes and Insulin-Producing Cells. Stem Cells International, 2018, 2018, 1-8.	1.2	2
97	CX3CR1 Depletion Promotes the Formation of Platelet-Neutrophil Complexes and Aggravates Acute Peritonitis. Shock, 2021, Publish Ahead of Print, 287-297.	1.0	2
98	Development of an ischemic fracture healing model in mice. Monthly Notices of the Royal Astronomical Society: Letters, 2022, 93, 466-471.	1.2	2
99	Response to the â€œEnhancement of Human Peripheral Blood Mononuclear Cell Transplantation-Mediated Bone Formationâ€•by Yang et al.. Cell Transplantation, 2013, 22, 1955-1957.	1.2	1
100	Osteolectin+ stromal cells: Mechanical stimulation improves bone regeneration and supports bacterial clearance after fracture. Signal Transduction and Targeted Therapy, 2021, 6, 257.	7.1	1
101	ErhÃ¶htes Alter, kardiovaskulÃre Nebenerkrankungen, COPD und Diabetes mellitus bedingen eine Ãœbersterblichkeit in der septischen Unfallchirurgie. Zeitschrift Fur Orthopadie Und Unfallchirurgie, 2022, , .	0.4	1
102	Effects of immune cells on mesenchymal stem cells during fracture healing. World Journal of Stem Cells, 2021, 13, 1670-1698.	1.3	0