Bettina Ic Mannerstrm

List of Publications by Year in Descending Order

46 papers	2,897 citations	28 h-index	49 g-index
49 ext. papers	3,200 ext. citations	4.7 avg, IF	4.85 L-index

#	Paper	IF	Citations
46	Patient-Specific Bioimplants and Reconstruction Plates for Mandibular Defects: Production Workflow and In Vivo Large Animal Model Study.. *Macromolecular Bioscience*, **2022**, e2100398	5.5	1
45	Concentrations of vatinoxan and xylazine in plasma, cerebrospinal fluid and brain tissue following intravenous administration in sheep. *Veterinary Anaesthesia and Analgesia*, **2021**, 48, 900-905	1.3	
44	Periosteal Flaps Enhance Prefabricated Engineered Bone Reparative Potential. *Journal of Dental Research*, **2021**, 220345211037247	8.1	0
43	Proangiogenic Hypoxia-Mimicking Agents Attenuate Osteogenic Potential of Adipose Stem/Stromal Cells. *Tissue Engineering and Regenerative Medicine*, **2020**, 17, 477-493	4.5	2
42	LINE-1 Methylation Analysis in Mesenchymal Stem Cells Treated with Osteosarcoma-Derived Extracellular Vesicles. *Journal of Visualized Experiments*, **2020**,	1.6	1
41	Adipose-Derived Mesenchymal Stem Cells do not Affect the Invasion and Migration Potential of Oral Squamous Carcinoma Cells. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	4
40	Perspectives for Clinical Translation of Adipose Stromal/Stem Cells. *Stem Cells International*, **2019**, 2019, 5858247	5	47
39	Epigenetic alterations in mesenchymal stem cells by osteosarcoma-derived extracellular vesicles. *Epigenetics*, **2019**, 14, 352-364	5.7	24
38	Extracellular small non-coding RNA contaminants in fetal bovine serum and serum-free media. *Scientific Reports*, **2019**, 9, 5538	4.9	8
37	Future Perspectives of Bone Tissue Engineering with Special Emphasis on Extracellular Vesicles **2019**, 159-169		
36	Cells **2019**, 27-33		1
35	Efficient ultrafiltration-based protocol to deplete extracellular vesicles from fetal bovine serum. *Journal of Extracellular Vesicles*, **2018**, 7, 1422674	16.4	72
34	Monocyte-derived extracellular vesicles stimulate cytokine□secretion and gene expression of matrix□metalloproteinases by mesenchymal stem/stromal cells. *FEBS Journal*, **2018**, 285, 2337-2359	5.7	28
33	Tissue Engineering in Oral and Maxillofacial Surgery: From Lab to Clinics **2018**, 103-122		1
32	Small non-coding RNA landscape of extracellular vesicles from human stem cells. *Scientific Reports*, **2018**, 8, 15503	4.9	30
31	Cranioplasty with Adipose-Derived Stem Cells, Beta-Tricalcium Phosphate Granules and Supporting Mesh: Six-Year Clinical Follow-Up Results. *Stem Cells Translational Medicine*, **2017**, 6, 1576-1582	6.9	30
30	Effects of Macromolecular Crowding on Human Adipose Stem Cell Culture in Fetal Bovine Serum, Human Serum, and Defined Xeno-Free/Serum-Free Conditions. *Stem Cells International*, **2017**, 2017, 6909163	5	17

29	Effects of chitosan and bioactive glass modifications of knitted and rolled polylactide-based 96/4 L/D scaffolds on chondrogenic differentiation of adipose stem cells. *Journal of Tissue Engineering and Regenerative Medicine*, **2015**, 9, 55-65	4.4	14
28	Autologous adipose stem cells in treatment of female stress urinary incontinence: results of a pilot study. *Stem Cells Translational Medicine*, **2014**, 3, 936-41	6.9	55
27	Adipose stem cells used to reconstruct 13 cases with cranio-maxillofacial hard-tissue defects. *Stem Cells Translational Medicine*, **2014**, 3, 530-40	6.9	144
26	Different culture conditions modulate the immunological properties of adipose stem cells. *Stem Cells Translational Medicine*, **2014**, 3, 1220-30	6.9	31
25	Effects of different serum conditions on osteogenic differentiation of human adipose stem cells in vitro. *Stem Cell Research and Therapy*, **2013**, 4, 17	8.3	83
24	Stem cell enrichment does not warrant a higher graft survival in lipofilling of the breast: a prospective comparative study. *Journal of Plastic, Reconstructive and Aesthetic Surgery*, **2013**, 66, 1494-503	1.7	114
23	Novel polypyrrole-coated polylactide scaffolds enhance adipose stem cell proliferation and early osteogenic differentiation. *Tissue Engineering - Part A*, **2013**, 19, 882-92	3.9	74
22	Adipose stem cell tissue-engineered construct used to treat large anterior mandibular defect: a case report and review of the clinical application of good manufacturing practice-level adipose stem cells for bone regeneration. *Journal of Oral and Maxillofacial Surgery*, **2013**, 71, 938-50	1.8	116
21	Development of fully defined xeno-free culture system for the preparation and propagation of cell therapy-compliant human adipose stem cells. *Stem Cell Research and Therapy*, **2013**, 4, 27	8.3	87
20	Exogenously added BMP-6, BMP-7 and VEGF may not enhance the osteogenic differentiation of human adipose stem cells. *Growth Factors*, **2013**, 31, 141-53	1.6	14
19	GMP-level adipose stem cells combined with computer-aided manufacturing to reconstruct mandibular ameloblastoma resection defects: Experience with three cases. *Annals of Maxillofacial Surgery*, **2013**, 3, 114-25	1	42
18	Human adipose tissue extract induces angiogenesis and adipogenesis in vitro. *Tissue Engineering - Part A*, **2012**, 18, 17-25	3.9	63
17	Characterizing and optimizing poly-L-lactide-co-ε-caprolactone membranes for urothelial tissue engineering. *Journal of the Royal Society Interface*, **2012**, 9, 3444-54	4.1	28
16	Osteogenic differentiation of human dental pulp stem cells on β-tricalcium phosphate/poly (l-lactic acid/caprolactone) three-dimensional scaffolds. *Journal of Tissue Engineering*, **2012**, 3, 2041731412467998	7.5	46
15	Effects of bioactive glass S53P4 or beta-tricalcium phosphate and bone morphogenetic protein-2 and bone morphogenetic protein-7 on osteogenic differentiation of human adipose stem cells. *Journal of Tissue Engineering*, **2012**, 3, 2041731412467789	7.5	17
14	Adipose stromal cell tubule network model provides a versatile tool for vascular research and tissue engineering. *Cells Tissues Organs*, **2012**, 196, 385-97	2.1	20
13	The effects of vibration loading on adipose stem cell number, viability and differentiation towards bone-forming cells. *Journal of the Royal Society Interface*, **2011**, 8, 1736-47	4.1	63
12	Cranioplasty with adipose-derived stem cells and biomaterial: a novel method for cranial reconstruction. *Neurosurgery*, **2011**, 68, 1535-40	3.2	142

11	The potential of adipose stem cells in regenerative medicine. *Stem Cell Reviews and Reports*, **2011**, 7, 269-91	6.4	332
10	Comparison of a poly-L-lactide-co- caprolactone and human amniotic membrane for urothelium tissue engineering applications. *Journal of the Royal Society Interface*, **2011**, 8, 671-7	4.1	28
9	In Vivo and In Vitro Study of a Polylactide-Fiber-Reinforced Tricalcium Phosphate Composite Cage in an Ovine Anterior Cervical Intercorporal Fusion Model. *International Journal of Biomaterials*, **2011**, 2011, 109638	3.2	8
8	Differential gene expression in adipose stem cells cultured in allogeneic human serum versus fetal bovine serum. *Tissue Engineering - Part A*, **2010**, 16, 2281-94	3.9	68
7	A defined and xeno-free culture method enabling the establishment of clinical-grade human embryonic, induced pluripotent and adipose stem cells. *PLoS ONE*, **2010**, 5, e10246	3.7	124
6	Calcium phosphate surface treatment of bioactive glass causes a delay in early osteogenic differentiation of adipose stem cells. *Journal of Biomedical Materials Research - Part A*, **2009**, 91, 540-7	5.4	45
5	Characterization of zinc-releasing three-dimensional bioactive glass scaffolds and their effect on human adipose stem cell proliferation and osteogenic differentiation. *Acta Biomaterialia*, **2009**, 5, 3122-31	10.8	109
4	Growth and osteogenic differentiation of adipose stem cells on PLA/bioactive glass and PLA/beta-TCP scaffolds. *Tissue Engineering - Part A*, **2009**, 15, 1473-80	3.9	96
3	Novel maxillary reconstruction with ectopic bone formation by GMP adipose stem cells. *International Journal of Oral and Maxillofacial Surgery*, **2009**, 38, 201-9	2.9	346
2	Serum-free, xeno-free culture media maintain the proliferation rate and multipotentiality of adipose stem cells in vitro. *Cytotherapy*, **2009**, 11, 958-72	4.8	155
1	Characterisation of human dental stem cells and buccal mucosa fibroblasts. *Biochemical and Biophysical Research Communications*, **2008**, 368, 329-35	3.4	167