StÃ¥le Petter Lyngstadaas

List of Publications by Year
in descending order

119 papers	5,017 citations	81743 39 h-index	98622 67 g-index
119 all docs	119 docs citations	119 times ranked	5754 citing authors

#	Article	IF	Citations
1	Intrinsically disordered peptides enhance regenerative capacities of bone composite xenografts. Materials Today, 2022, 52, 63-79.	8.3	9
2	Guided bone regeneration of chronic nonâ€contained bone defects using a volume stable porous block TiO2 scaffold: An experimental in vivo study. Clinical Oral Implants Research, 2021, 32, 369-381.	1.9	7
3	Tailoring Resorption Rates and Osteogenic Response in Xeno-Hybrid Bone Grafts: The Effect of Added Gelatins. Engineering, 2021, , .	3.2	3
4	Recent Developments in Chitosan-Based Micro/Nanofibers for Sustainable Food Packaging, Smart Textiles, Cosmeceuticals, and Biomedical Applications. Molecules, 2021, 26, 2683.	1.7	36
5	Impact of simultaneous placement of implant and block bone graft substitute: an in vivo peri-implant defect model. Biomaterials Research, 2021, 25, 43.	3.2	6
6	Designing multigradient biomaterials for skin regeneration. Materials Today Advances, 2020, 5, 100051.	2.5	49
7	STIM1 R304W in mice causes subgingival hair growth and an increased fraction of trabecular bone. Cell Calcium, 2020, 85, 102110.	1.1	8
8	Osteoimmunomodulatory Effects of Enamel Matrix Derivate and Strontium Coating Layers: A Short- and Long-Term In Vivo Study. ACS Applied Bio Materials, 2020, 3, 5169-5181.	2.3	5
9	Studies of Dynamic Binding of Amino Acids to TiO₂ Nanoparticle Surfaces by Solution NMR and Molecular Dynamics Simulations. Langmuir, 2020, 36, 10341-10350.	1.6	19
10	Xeno-Hybrid Bone Graft Releasing Biomimetic Proteins Promotes Osteogenic Differentiation of hMSCs. Frontiers in Cell and Developmental Biology, 2020, 8, 619111.	1.8	4
11	Xenohybrid Bone Graft Containing Intrinsically Disordered Proteins Shows Enhanced In Vitro Bone Formation. ACS Applied Bio Materials, 2020, 3, 2263-2274.	2.3	10
12	Coating doxycycline on titanium-based implants: Two in vivo studies. Bioactive Materials, 2020, 5, 787-797.	8.6	19
13	Bone grafts: which is the ideal biomaterial?. Journal of Clinical Periodontology, 2019, 46, 92-102.	2.3	316
14	Impact of particulate deproteinized bovine bone mineral and porous titanium granules on early stability and osseointegration of dental implants in narrow marginal circumferential bone defects. International Journal of Oral and Maxillofacial Surgery, 2018, 47, 1086-1094.	0.7	7
15	An ameloblastin C-terminus variant is present in human adipose tissue. Heliyon, 2018, 4, e01075.	1.4	3
16	Titanium implants coated with <scp>UV</scp>â€irradiated vitamin D precursor and vitamin E: inÂvivo performance and coating stability. Clinical Oral Implants Research, 2017, 28, 424-431.	1.9	14
17	Own brand label restorative materialsâ€”A false bargain?. Journal of Dentistry, 2017, 56, 84-98.	1.7	11
18	Ameloblastin Peptides Modulates the Osteogenic Capacity of Human Mesenchymal Stem Cells. Frontiers in Physiology, 2017, 8, 58.	1.3	9

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19	Phosphorylation Modulates Ameloblastin Self-assembly and Ca2+ Binding. Frontiers in Physiology, 2017, 8, 531.	1.3	12
20	TwentyÂyears of enamel matrix derivative: the past, the present and the future. Journal of Clinical Periodontology, 2016, 43, 668-683.	2.3	186
21	TiO₂ scaffolds in periâ€implant dehiscence defects: an experimental pilot study. Clinical Oral Implants Research, 2016, 27, 1200-1206.	1.9	7
22	Hypoxia increases the expression of enamel genes and cytokines in an ameloblastâ€derived cell line. European Journal of Oral Sciences, 2015, 123, 335-340.	0.7	11
23	Suture materials affect peri-implant bone healing and implant osseointegration. Journal of Oral Science, 2015, 57, 219-227.	0.7	5
24	Subfractions of enamel matrix derivative differentially influence cytokine secretion from human oral fibroblasts. Journal of Tissue Engineering, 2015, 6, 204173141557585.	2.3	9
25	Titanium Granules for Augmentation of the Maxillary Sinus â€“ A Multicenter Study. Clinical Implant Dentistry and Related Research, 2015, 17, e594-600.	1.6	5
26	Proline-Rich Peptide Mimics Effects of Enamel Matrix Derivative on Rat Oral Mucosa Incisional Wound Healing. Journal of Periodontology, 2015, 86, 1386-1395.	1.7	17
27	Flavonoidâ€Modified Surfaces: Multifunctional Bioactive Biomaterials with Osteopromotive, Antiâ€Inflammatory, and Antiâ€Fibrotic Potential. Advanced Healthcare Materials, 2015, 4, 540-549.	3.9	62
28	The influence of surface nanoroughness, texture and chemistry of TiZr implant abutment on oral biofilm accumulation. Clinical Oral Implants Research, 2015, 26, 649-656.	1.9	47
29	Enamel Matrix Derivative Promote Primary Human Pulp Cell Differentiation and Mineralization. International Journal of Molecular Sciences, 2014, 15, 7731-7749.	1.8	7
30	Cathodic Polarization Coats Titanium Based Implant Materials with Enamel Matrix Derivate (EMD). Materials, 2014, 7, 2210-2228.	1.3	5
31	In vitro evaluation of a multifunctional nano drug delivery system based on tigecycline-loaded calcium-phosphate/ poly-DL-lactide-co-glycolide. Bio-Medical Materials and Engineering, 2014, 24, 1647-1658.	0.4	4
32	Surface hydride on titanium by cathodic polarization promotes human gingival fibroblast growth. Journal of Biomedical Materials Research - Part A, 2014, 102, 1389-1398.	2.1	22
33	Differential response of human gingival fibroblasts to titaniumâ€and titaniumâ€zirconiumâ€modified surfaces. Journal of Periodontal Research, 2014, 49, 425-436.	1.4	58
34	Osseointegration of dental implants in extraction sockets preserved with porous titanium granules â€“ an experimental study. Clinical Oral Implants Research, 2014, 25, e100-8.	1.9	15
35	Effect of chemical and mechanical debridement techniques on bacterial reâ€growth on rough titanium surfaces: an in vitro study. Clinical Oral Implants Research, 2014, 25, 707-713.	1.9	23
36	Changes in serum cytokines in response to musculoskeletal surgical trauma. BMC Research Notes, 2014, 7, 128.	0.6	38

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37	Bioactive implant surface with electrochemically bound doxycycline promotes bone formation markers in vitro and in vivo. Dental Materials, 2014, 30, 200-214.	1.6	43
38	Simvastatin-activated implant surface promotes osteoblast differentiation inÂvitro. Journal of Biomaterials Applications, 2014, 28, 897-908.	1.2	20
39	Correlation between molecular signals and bone bonding to titanium implants. Clinical Oral Implants Research, 2013, 24, 1035-1043.	1.9	23
40	Coating of metal implant materials with strontium. Journal of Materials Science: Materials in Medicine, 2013, 24, 2537-2548.	1.7	15
41	Increased reactivity and in vitro cell response of titanium based implant surfaces after anodic oxidation. Journal of Materials Science: Materials in Medicine, 2013, 24, 2761-2773.	1.7	9
42	Polarization of modified titanium and titaniumâ€“zirconium creates nano-structures while hydride formation is modulated. Applied Surface Science, 2013, 282, 7-16.	3.1	14
43	Porous ceramic titanium dioxide scaffolds promote bone formation in rabbit peri-implant cortical defect model. Acta Biomaterialia, 2013, 9, 5390-5399.	4.1	76
44	Hydrogen content in titanium and a titaniumâ€“zirconium alloy after acid etching. Materials Science and Engineering C, 2013, 33, 1282-1288.	3.8	34
45	Adaptor protein complex 2â€“mediated, clathrin-dependent endocytosis, and related gene activities, are a prominent feature during maturation stage amelogenesis. Journal of Bone and Mineral Research, 2013, 28, 672-687.	3.1	39
46	Maxillary Sinus Augmentation with Porous Titanium Granules: A Microcomputed Tomography and Histologic Evaluation of Human Biopsy Specimens. International Journal of Oral and Maxillofacial Implants, 2013, 28, 721-728.	0.6	11
47	Effect of TiO₂ scaffolds coated with alginate hydrogel containing a prolineâ€rich peptide on osteoblast growth and differentiation in vitro. Journal of Biomedical Materials Research - Part A, 2013, 101A, 1768-1777.	2.1	12
48	Enhanced in vitro osteoblast differentiation on TiO₂ scaffold coated with alginate hydrogel containing simvastatin. Journal of Tissue Engineering, 2013, 4, 204173141351567.	2.3	30
49	Human monocyte responses to lipopolysaccharide and 9-cis retinoic acid after laparoscopic surgery for colon cancer. Scandinavian Journal of Clinical and Laboratory Investigation, 2012, 72, 593-601.	0.6	6
50	Identification of Early Response Genes to Roughness and Fluoride Modification of Titanium Implants in Human Osteoblasts. Implant Dentistry, 2012, 21, 141-149.	1.7	9
51	Effect of Enamel Matrix Derivative and of Proline-Rich Synthetic Peptides on the Differentiation of Human Mesenchymal Stem Cells Toward the Osteogenic Lineage. Tissue Engineering - Part A, 2012, 18, 1253-1263.	1.6	27
52	In Vitro Osteogenic Properties of Two Dental Implant Surfaces. International Journal of Biomaterials, 2012, 2012, 1-14.	1.1	24
53	9-cis Retinoic Acid Inhibits Inflammatory Responses of Adherent Monocytes and Increases Their Ability to Induce Classical Monocyte Migration. Journal of Innate Immunity, 2012, 4, 176-186.	1.8	16
54	Porous Titanium Granules in the Treatment of Mandibular Class II Furcation Defects: A Consecutive Case Series. Journal of Periodontology, 2012, 83, 61-69.	1.7	11

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55	Microcomputed Tomographic and Histologic Analysis of Animal Experimental Degree II Furcation Defects Treated With Porous Titanium Granules or Deproteinized Bovine Bone. Journal of Periodontology, 2012, 83, 211-221.	1.7	11
56	Amelogenins modulate cytokine expression in LPS-challenged cultured human macrophages. Cytokine, 2012, 58, 274-279.	1.4	10
57	EPA covalently bound to smooth titanium surfaces decreases viability and biofilm formation of Staphylococcus epidermidis in vitro. Journal of Orthopaedic Research, 2012, 30, 1384-1390.	1.2	6
58	Local and systemic pro-inflammatory and anti-inflammatory cytokine patterns in patients with chronic subdural hematoma: a prospective study. Inflammation Research, 2012, 61, 845-852.	1.6	92
59	Bone formation in TiO2 bone scaffolds in extraction sockets of minipigs. Acta Biomaterialia, 2012, 8, 2384-2391.	4.1	56
60	The effect of permanent grafting materials on the preservation of the buccal bone plate after tooth extraction: an experimental study in the dog. Clinical Oral Implants Research, 2012, 23, 911-917.	1.9	27
61	Chemokines as markers of local inflammation and angiogenesis in patients with chronic subdural hematoma: a prospective study. Acta Neurochirurgica, 2012, 154, 113-120.	0.9	70
62	TiO₂ Scaffolds Sustain Differentiation of MC3T3-E1 Cells. Journal of Biomaterials and Tissue Engineering, 2012, 2, 336-344.	0.0	14
63	A Novel Ultra-porous Titanium Dioxide Ceramic with Excellent Biocompatibility. Journal of Biomaterials Applications, 2011, 25, 559-580.	1.2	67
64	Ameloblastin expression and putative autoregulation in mesenchymal cells suggest a role in early bone formation and repair. Bone, 2011, 48, 406-413.	1.4	41
65	Amelogenins promote an alternatively activated macrophage phenotype in vitro. International Journal of Nano and Biomaterials, 2011, 3, 282.	0.1	3
66	Biophysical characterization of recombinant human ameloblastin. European Journal of Oral Sciences, 2011, 119, 261-269.	0.7	22
67	Fluoride reduces the expression of enamel proteins and cytokines in an ameloblast-derived cell line. Archives of Oral Biology, 2011, 56, 324-330.	0.8	18
68	In vivo performance of titanium implants functionalized with eicosapentaenoic acid and UV irradiation. Journal of Biomedical Materials Research - Part A, 2011, 96A, 83-92.	2.1	8
69	LBP and sCD14 patterns in total hip replacement surgery performed during combined spinal/epidural anaesthesia. Scandinavian Journal of Clinical and Laboratory Investigation, 2011, 71, 486-491.	0.6	3
70	Synthetic Peptides Analogue to Enamel Proteins Promote Osteogenic Differentiation of MC3T3-E1 and Mesenchymal Stem Cells. Journal of Biomaterials and Tissue Engineering, 2011, 1, 198-209.	0.0	17
71	Micro CT and human histological analysis of a peri-implant osseous defect grafted with porous titanium granules: a case report. International Journal of Oral and Maxillofacial Implants, 2011, 26, e9-e14.	0.6	13
72	Impact of Hypertonic Saline on the Release of Selected Cytokines After Stimulation with Lps or Peptidoglycan in Ex Vivo Whole Blood from Healthy Humans. Shock, 2010, 34, 450-454.	1.0	5

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73	In vivo performance of absorbable collagen sponges with rosuvastatin in critical-size cortical bone defects. Acta Biomaterialia, 2010, 6, 1405-1412.	4.1	70
74	Amelogenin is phagocytized and induces changes in integrin configuration, gene expression and proliferation of cultured normal human dermal fibroblasts. Journal of Materials Science: Materials in Medicine, 2010, 21, 947-954.	1.7	14
75	Ultra-porous titanium oxide scaffold with high compressive strength. Journal of Materials Science: Materials in Medicine, 2010, 21, 2783-2792.	1.7	69
76	Ameloblastin promotes bone growth by enhancing proliferation of progenitor cells and by stimulating immunoregulators. European Journal of Oral Sciences, 2010, 118, 451-459.	0.7	28
77	Serotonin and fluoxetine receptors are expressed in enamel organs and LS8 cells and modulate gene expression in LS8 cells. European Journal of Oral Sciences, 2010, 118, 566-573.	0.7	8
78	Porous titanium granules promote bone healing and growth in rabbit tibia periâ€implant osseous defects. Clinical Oral Implants Research, 2010, 21, 165-173.	1.9	40
79	Rosuvastatin Promotes Osteoblast Differentiation and Regulates SLCO1A1 Transporter Gene Expression in MC3T3-E1 Cells. Cellular Physiology and Biochemistry, 2010, 26, 647-656.	1.1	43
80	Controlled electro-implementation of fluoride in titanium implant surfaces enhances cortical bone formation and mineralization. Acta Biomaterialia, 2010, 6, 1025-1032.	4.1	41
81	The effect of hydrofluoric acid treatment of titanium surface on nanostructural and chemical changes and the growth of MC3T3-E1 cells. Biomaterials, 2009, 30, 736-742.	5.7	186
82	Local and systemic chemokine patterns in a human musculoskeletal trauma model. Inflammation Research, 2009, 58, 483-489.	1.6	5
83	Loadable TiO2 scaffoldsâ€"A correlation study between processing parameters, micro CT analysis and mechanical strength. Journal of the European Ceramic Society, 2009, 29, 2773-2781.	2.8	45
84	Hydride formation on titanium surfaces by cathodic polarization. Applied Surface Science, 2008, 255, 3011-3015.	3.1	44
85	In vivo expression of osteogenic markers and bone mineral density at the surface of fluoride-modified titanium implants. Biomaterials, 2008, 29, 3771-3780.	5.7	124
86	Bioinformatic analysis and molecular modelling of human ameloblastin suggest a twoâ€domain intrinsically unstructured calciumâ€binding protein. European Journal of Oral Sciences, 2008, 116, 124-134.	0.7	40
87	UV-induced chemical coating of titanium surfaces with eicosapentaenoic acid. Journal of Materials Chemistry, 2008, 18, 5502.	6.7	6
88	Investigation of Lipopolysaccharide Receptor Expression on Human Monocytes after Major Orthopaedic Surgery. European Surgical Research, 2008, 40, 239-245.	0.6	5
89	Systemic and Local Cytokine Kinetics after Total Hip Replacement Surgery. European Surgical Research, 2008, 41, 334-340.	0.6	29
90	Systemic Administration of Enamel Matrix Derivative to Lipopolysaccharide-Challenged Pigs: Effects on the Inflammatory Response. Surgical Infections, 2008, 9, 161-169.	0.7	7

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91	LIVER X RECEPTOR IS A KEY REGULATOR OF CYTOKINE RELEASE IN HUMAN MONOCYTES. Shock, 2008, 29, 468-474.	1.0	44
92	Cellular uptake of amelogenin, and its localization to CD63, and Lamp1-positive vesicles. Cellular and Molecular Life Sciences, 2007, 64, 244-256.	2.4	61
93	Intracellular nanosphere subunit assembly as revealed by amelogenin molecular cross-linking studies. European Journal of Oral Sciences, 2006, 114, 280-284.	0.7	17
94	Ameloblastin expression during craniofacial bone formation in rats. European Journal of Oral Sciences, 2006, 114, 504-511.	0.7	40
95	Anti-inflammatory properties of enamel matrix derivative in human blood. Journal of Periodontal Research, 2006, 41, 208-213.	1.4	55
96	Ameloblastin Fusion Protein Enhances Pulpal Healing and Dentin Formation in Porcine Teeth. Calcified Tissue International, 2006, 78, 278-284.	1.5	25
97	Expression and regulation of resistin in osteoblasts and osteoclasts indicate a role in bone metabolism. Journal of Cellular Biochemistry, 2006, 99, 824-834.	1.2	179
98	Effect of laser therapy on attachment, proliferation and differentiation of human osteoblast-like cells cultured on titanium implant material. Biomaterials, 2005, 26, 3503-3509.	5.7	172
99	Laser therapy accelerates initial attachment and subsequent behaviour of human oral fibroblasts cultured on titanium implant material. A scanning electron microscopic and histomorphometric analysis. Clinical Oral Implants Research, 2005, 16, 168-175.	1.9	73
100	Effects of a topical enamel matrix derivative on skin wound healing. Wound Repair and Regeneration, 2004, 12, 100-108.	1.5	54
101	Low-level laser therapy stimulates bone-implant interaction: an experimental study in rabbits. Clinical Oral Implants Research, 2004, 15, 325-332.	1.9	149
102	Immunohistochemical Characterization of Rapid Dentin Formation Induced by Enamel Matrix Derivative. Calcified Tissue International, 2004, 75, 243-252.	1.5	25
103	Adiponectin and its receptors are expressed in bone-forming cells. Bone, 2004, 35, 842-849.	1.4	429
104	Tensile force testing of optimized coin-shaped titanium implant attachment kinetics in the rabbit tibiae. Journal of Materials Science: Materials in Medicine, 2003, 14, 843-849.	1.7	28
105	A study on the effect of dual blasting with TiO2on titanium implant surfaces on functional attachment in bone. Journal of Biomedical Materials Research - Part A, 2003, 67A, 524-530.	2.1	51
106	Analysing the optimal value for titanium implant roughness in bone attachment using a tensile test. Biomaterials, 2003, 24, 4559-4564.	5.7	122
107	Salivary gland function in persons with ectodermal dysplasias. European Journal of Oral Sciences, 2003, 111, 371-376.	0.7	34
108	Effect of the enamel matrix derivative EmdogainÂ® on the growth of periodontal pathogens in vitro. Journal of Clinical Periodontology, 2002, 29, 62-72.	2.3	72

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109	The induction of reparative dentine by enamel proteins. International Endodontic Journal, 2002, 35, 407-417.	2.3	65
110	Expression of amelin and trauma-induced dentin formation. Clinical Oral Investigations, 2002, 6, 51-57.	1.4	28
111	Enamel Matrix Derivative Promotes Reparative Processes in the Dental Pulp. Advances in Dental Research, 2001, 15, 105-107.	3.6	61
112	Autocrine growth factors in human periodontal ligament cells cultured on enamel matrix derivative. Journal of Clinical Periodontology, 2001, 28, 181-188.	2.3	226
113	Spatially related amelogenin interactions in developing rat enamel as revealed by molecular cross-linking studies. Archives of Oral Biology, 2000, 45, 937-943.	0.8	11
114	Emdogain - periodontal regeneration based on biomimicry. Clinical Oral Investigations, 2000, 4, 120-125.	1.4	143
115	A Tuftelin-interacting Protein (TIP39) Localizes to the Apical Secretory Pole of Mouse Ameloblasts. Journal of Biological Chemistry, 2000, 275, 22284-22292.	1.6	40
116	PCR primers for the amplification of the 16S rRNA gene of oral bacteria and for the specific identification of Actinobacillus actinomycetemcomitans. European Journal of Oral Sciences, 1996, 104, 144-147.	0.7	4
117	Severe dental aberrations in familial steroid dehydrogenase deficiency: a new association. Clinical Genetics, 1996, 49, 249-254.	1.0	3
118	The clinical Performance of two groups of functioning class-II cast gold inlays. Acta Odontologica Scandinavica, 1992, 50, 189-192.	0.9	9
119	Amelogenin gene similarity in vertebrates: DNA sequences encoding amelogenin seem to be conserved during evolution. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 1990, 160, 469-72.	0.7	23