Shahram Ghanaati

List of Publications by Year
in descending order

101	4,934	87888	98798
papers	citations	38 h-index	67 g-index

103	103	103	4562
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Combined trauma in craniomaxillofacial and orthopedic-traumatological patients: the need for proper interdisciplinary care in trauma units. European Journal of Trauma and Emergency Surgery, 2022, 48, 2521-2528.	1.7	6
2	A Standardized g-Force Allows the Preparation of Similar Platelet-Rich Fibrin Qualities Regardless of Rotor Angle. Tissue Engineering - Part A, 2022, 28, 353-365.	3.1	5
3	Covalent linkage of sulfated hyaluronan to the collagen scaffold MucograftÂ® enhances scaffold stability and reduces proinflammatory macrophage activation in vivo. Bioactive Materials, 2022, 8, 420-434.	15.6	15
4	Cellular Response of Human Osteoblasts to Different Presentations of Deproteinized Bovine Bone. Materials, 2022, 15, 999.	2.9	2
5	Erratum to â€˜Thermal treatment at 500Â°C significantly reduces the reaction to irregular tricalcium phosphate granules as foreign bodies: An in vivo studyâ€™ [Acta Biomaterialia, 121 (2021) 621-636]. Acta Biomaterialia, 2022, , .	8.3	0
6	Fibrin immobilization vestibular extension (<scp>FIVE</scp>): A case series. Clinical Implant Dentistry and Related Research, 2022, , .	3.7	0
7	Neoadjuvant Chemoradiotherapy for Oral Cavity Cancer: Predictive Factors for Response and Interim Analysis of the Prospective INVERT-Trial. Frontiers in Oncology, 2022, 12, 817692.	2.8	4
8	Multinucleated giant cells within the in vivo implantation bed of a collagen-based biomaterial determine its degradation pattern. Clinical Oral Investigations, 2021, 25, 859-873.	3.0	9
9	Effects of rotor angle and time after centrifugation on the biological in vitro properties of platelet rich fibrin membranes. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2021, 109, 60-68.	3.4	16
10	Biologization of Pcl-Mesh Using Platelet Rich Fibrin (Prf) Enhances Its Regenerative Potential In Vitro. International Journal of Molecular Sciences, 2021, 22, 2159.	4.1	11
11	Thermal treatment at 500ÂÂ°C significantly reduces the reaction to irregular tricalcium phosphate granules as foreign bodies: An in vivo study. Acta Biomaterialia, 2021, 121, 621-636.	8.3	12
12	Patterns of care, toxicity and outcome in the treatment of salivary gland carcinomas: long-term experience from a tertiary cancer center. European Archives of Oto-Rhino-Laryngology, 2021, 278, 4411-4421.	1.6	4
13	Re-irradiation with concurrent and maintenance nivolumab in locally recurrent and inoperable squamous cell carcinoma of the head and neck: A single-center cohort study. Clinical and Translational Radiation Oncology, 2021, 28, 71-78.	1.7	6
14	Multinucleated Giant Cells Induced by a Silk Fibroin Construct Express Proinflammatory Agents: An Immunohistological Study. Materials, 2021, 14, 4038.	2.9	2
15	Efficacy of platelet-rich fibrin in promoting the healing of extraction sockets: a systematic review. International Journal of Implant Dentistry, 2021, 7, 117.	2.7	22
16	Liquid platelet-rich fibrin injections as a treatment adjunct for painful temporomandibular joints: preliminary results. Cranio - Journal of Craniomandibular Practice, 2020, 38, 292-304.	1.4	38
17	Prognostic impact of CD8-positive tumour-infiltrating lymphocytes and PD-L1 expression in salivary gland cancer. Oral Oncology, 2020, 111, 104931.	1.5	16
18	Co-culture Model for Cutaneous Wound Healing to Assess a Porous Fiber-Based Drug Delivery System. Tissue Engineering - Part C: Methods, 2020, 26, 475-484.	2.1	10

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19	Characterization of the Cellular Reaction to a Collagen-Based Matrix: An In Vivo Histological and Histomorphometrical Analysis. Materials, 2020, 13, 2730.	2.9	8
20	Modification of collagen-based sponges can induce an upshift of the early inflammatory response and a chronic inflammatory reaction led by M1 macrophages: an in vivo study. Clinical Oral Investigations, 2020, 24, 3485-3500.	3.0	5
21	Changes in platelet-rich fibrin composition after trauma and surgical intervention. Platelets, 2020, 31, 1069-1079.	2.3	6
22	The Biomaterial-Induced Cellular Reaction Allows a Novel Classification System Regardless of the Biomaterials Origin. Journal of Oral Implantology, 2020, 46, 190-207.	1.0	12
23	Reply from authors: RE: Optimized plateletâ€rich fibrin with the lowâ€speed concept: Growth factor release, biocompatibility, and cellular response. Journal of Periodontology, 2019, 90, 122-125.	3.4	13
24	Biomaterialâ€induced multinucleated giant cells express proinflammatory signaling molecules: A histological study in humans. Journal of Biomedical Materials Research - Part A, 2019, 107, 780-790.	4.0	18
25	Biomaterial-based bone regeneration and soft tissue management of the individualized 3D-titanium mesh: An alternative concept to autologous transplantation and flap mobilization. Journal of Cranio-Maxillo-Facial Surgery, 2019, 47, 1633-1644.	1.7	22
26	Short implants in the posterior maxilla to avoid sinus augmentation procedure: 5-year results from a retrospective cohort study. International Journal of Implant Dentistry, 2019, 5, 3.	2.7	15
27	Multiwell three-dimensional systems enable in vivo screening of immune reactions to biomaterials: a new strategy toward translational biomaterial research. Journal of Materials Science: Materials in Medicine, 2019, 30, 61.	3.6	3
28	Usefulness of platelet-rich fibrin as a hemostatic agent after dental extractions in patients receiving anticoagulant therapy with factor Xa inhibitors: a case series. Oral and Maxillofacial Surgery, 2019, 23, 381-386.	1.3	11
29	Using bone repair materials in maxillofacial and skull surgery. , 2019, , 361-378.		1
30	Standardization of relative centrifugal forces in studies related to plateletâ€rich fibrin. Journal of Periodontology, 2019, 90, 817-820.	3.4	94
31	Biologization of Collagen-Based Biomaterials Using Liquid-Platelet-Rich Fibrin: New Insights into Clinically Applicable Tissue Engineering. Materials, 2019, 12, 3993.	2.9	35
32	Influence of concentration and preparation of platelet rich fibrin on human bone marrow mononuclear cells (in vitro). Platelets, 2019, 30, 861-870.	2.3	11
33	Injectable-platelet rich fibrin using the low speed centrifugation concept improves cartilage regeneration when compared to platelet-rich plasma. Platelets, 2019, 30, 213-221.	2.3	60
34	A low-speed centrifugation concept leads to cell accumulation and vascularization of solid platelet-rich fibrin: an experimental study in vivo. Platelets, 2019, 30, 329-340.	2.3	51
35	The role of centrifugation process in the preparation of therapeutic blood concentrates: Standardization of the protocols to improve reproducibility. International Journal of Growth Factors and Stem Cells in Dentistry, 2019, 2, 41.	0.6	15
36	Do Clinical and Radiological Assessments Contribute to the Understanding of Biomaterials? Results From a Prospective Randomized Sinus Augmentation Split-Mouth Trial. Journal of Oral Implantology, 2018, 44, 62-69.	1.0	13

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37	Sugar-based collagen membrane cross-linking increases barrier capacity of membranes. Clinical Oral Investigations, 2018, 22, 1851-1863.	3.0	27
38	Allogeneic bone block for challenging augmentationâ€"a clinical, histological, and histomorphometrical investigation of tissue reaction and new bone formation. Clinical Oral Investigations, 2018, 22, 3159-3169.	3.0	18
39	Effects of an injectable platelet-rich fibrin on osteoblast behavior and bone tissue formation in comparison to platelet-rich plasma. Platelets, 2018, 29, 48-55.	2.3	157
40	Plateletâ€rich fibrinâ€based matrices to improve angiogenesis in an in vitro coâ€culture model for bone tissue engineering. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, 598-610.	2.7	76
41	A Proof of the Low Speed Centrifugation Concept in Rodents: New Perspectives forIn VivoResearch. Tissue Engineering - Part C: Methods, 2018, 24, 659-670.	2.1	19
42	In vivo Implantation of a Bovine-Derived Collagen Membrane Leads to Changes in the Physiological Cellular Pattern of Wound Healing by the Induction of Multinucleated Giant Cells: An Adverse Reaction?. Frontiers in Bioengineering and Biotechnology, 2018, 6, 104.	4.1	37
43	Human Co- and Triple-Culture Model of the Alveolar-Capillary Barrier on a Basement Membrane Mimic. Tissue Engineering - Part C: Methods, 2018, 24, 495-503.	2.1	25
44	Radiation Sensitization of Basal Cell and Head and Neck Squamous Cell Carcinoma by the Hedgehog Pathway Inhibitor Vismodegib. International Journal of Molecular Sciences, 2018, 19, 2485.	4.1	25
45	Fifteen Years of Platelet Rich Fibrin in Dentistry and Oromaxillofacial Surgery: How High is the Level of Scientific Evidence?. Journal of Oral Implantology, 2018, 44, 471-492.	1.0	88
46	Individualized Titanium Mesh Combined With Platelet-Rich Fibrin and Deproteinized Bovine Bone: A New Approach for Challenging Augmentation. Journal of Oral Implantology, 2018, 44, 345-351.	1.0	25
47	Application of liquid platelet-rich fibrin for treating hyaluronic acid-related complications: A case report with 2 years of follow-up. International Journal of Growth Factors and Stem Cells in Dentistry, 2018, 1, 74.	0.6	8
48	Controversies related to scientific report describing g-forces from studies on platelet-rich fibrin: Necessity for standardization of relative centrifugal force values. International Journal of Growth Factors and Stem Cells in Dentistry, 2018, 1, 80.	0.6	60
49	Xeno-synthetic bone block includes cellular remnants: Acceptable components or lack of purification?. International Journal of Growth Factors and Stem Cells in Dentistry, 2018, 1, 70.	0.6	1
50	Biological performance of cell-encapsulated methacrylated gellan gum-based hydrogels for nucleus pulposus regeneration. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 637-648.	2.7	41
51	Expansion of the peri-implant attached gingiva with a three-dimensional collagen matrix in head and neck cancer patientsâ€"results from a prospective clinical and histological study. Clinical Oral Investigations, 2017, 21, 1103-1111.	3.0	20
52	Injectable platelet rich fibrin (i-PRF): opportunities in regenerative dentistry?. Clinical Oral Investigations, 2017, 21, 2619-2627.	3.0	267
53	Multinucleated giant cells in the implant bed of bone substitutes are foreign body giant cellsâ€"New insights into the materialâ€mediated healing process. Journal of Biomedical Materials Research - Part A, 2017, 105, 1105-1111.	4.0	75
54	Use of platelet-rich fibrin in regenerative dentistry: a systematic review. Clinical Oral Investigations, 2017, 21, 1913-1927.	3.0	288

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55	Reduction of the relative centrifugal force influences cell number and growth factor release within injectable PRF-based matrices. Journal of Materials Science: Materials in Medicine, 2017, 28, 188.	3.6	91
56	In vivo cellular reactions to different biomaterialsâ€"Physiological and pathological aspects and their consequences. Seminars in Immunology, 2017, 29, 49-61.	5.6	91
57	Analysis of the inÂvitro degradation and the inÂvivo tissue response to bi-layered 3D-printed scaffolds combining PLA and biphasic PLA/bioglass components â€“ Guidance of the inflammatory response as basis for osteochondral regeneration. Bioactive Materials, 2017, 2, 208-223.	15.6	95
58	Diagnostic and treatment modalities for patients with cervical lymph node metastases of unknown primary site â€“ current status and challenges. Radiation Oncology, 2017, 12, 82.	2.7	33
59	Performance and safety of collagenated xenogeneic bone block for lateral alveolar ridge augmentation and staged implant placement. A monocenter, prospective singleâ€arm clinical study. Clinical Oral Implants Research, 2017, 28, 954-960.	4.5	19
60	Behavior of Gingival Fibroblasts on Titanium Implant Surfaces in Combination with either Injectable-PRF or PRP. International Journal of Molecular Sciences, 2017, 18, 331.	4.1	84
61	Investigation of peri-implant tissue conditions and peri-implant tissue stability in implants placed with simultaneous augmentation procedure: a 3-year retrospective follow-up analysis of a newly developed bone level implant system. International Journal of Implant Dentistry, 2017, 3, 41.	2.7	6
62	Heterogeneity of biomaterialâ€induced multinucleated giant cells: Possible importance for the regeneration process?. Journal of Biomedical Materials Research - Part A, 2016, 104, 413-418.	4.0	53
63	Adsorption of Human Plasma Albumin and Fibronectin onto Nanostructured Black Silicon Surfaces. Langmuir, 2016, 32, 10744-10751.	3.5	27
64	Spontaneous In Vivo Chondrogenesis of Bone Marrow-Derived Mesenchymal Progenitor Cells by Blocking Vascular Endothelial Growth Factor Signaling. Stem Cells Translational Medicine, 2016, 5, 1730-1738.	3.3	47
65	Foreign Body Giant Cellâ€"Related Encapsulation of a Synthetic Material Three Years After Augmentation. Journal of Oral Implantology, 2016, 42, 273-277.	1.0	20
66	Bilayered, non-cross-linked collagen matrix for regeneration of facial defects after skin cancer removal: a new perspective for biomaterial-based tissue reconstruction. Journal of Cell Communication and Signaling, 2016, 10, 3-15.	3.4	16
67	Hedgehog pathway inhibitor in combination with radiation therapy for basal cell carcinomas of the head and neck. Strahlentherapie Und Onkologie, 2016, 192, 25-31.	2.0	22
68	Injectable Bone Substitute Based on Î²-TCP Combined With a Hyaluronan-Containing Hydrogel Contributes to Regeneration of a Critical Bone Size Defect Towards Restitutio ad Integrum. Journal of Oral Implantology, 2016, 42, 127-137.	1.0	23
69	The utility of azan trichrome staining in Ameloblastoma. Nigerian postgraduate medical journal, The, 2016, 23, 44.	0.4	6
70	Primary reconstruction of neck defect after excision of metastatic melanoma of unknown primary site with regional pectoral myocutaneous flap. Srpski Arhiv Za Celokupno Lekarstvo, 2016, 144, 436-439.	0.2	0
71	Addition of blood to a phycogenic bone substitute leads to increased in vivo vascularization. Biomedical Materials (Bristol), 2015, 10, 055007.	3.3	46
72	PTCH-1 and MDM2 expression in ameloblastoma from a West African sub-population: implication for chemotherapeutics. Pan African Medical Journal, 2015, 20, 140.	0.8	3

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73	Porcine Dermis-Derived Collagen Membranes Induce Implantation Bed Vascularization Via Multinucleated Giant Cells: A Physiological Reaction?. Journal of Oral Implantology, 2015, 41, e238-e251.	1.0	53
74	TRAP-Positive Multinucleated Giant Cells Are Foreign Body Giant Cells Rather Than Osteoclasts: Results From a Split-Mouth Study in Humans. Journal of Oral Implantology, 2015, 41, e257-e266.	1.0	46
75	High-Temperature Sintering of Xenogeneic Bone Substitutes Leads to Increased Multinucleated Giant Cell Formation: In Vivo and Preliminary Clinical Results. Journal of Oral Implantology, 2015, 41, e212-e222.	1.0	49
76	Porcine Dermis and Pericardium-Based, Nonâ€“Cross-Linked Materials Induce Multinucleated Giant Cells After Their In Vivo Implantation: A Physiological Reaction?. Journal of Oral Implantology, 2015, 41, e267-e281.	1.0	37
77	Nanostructured medical sutures with antibacterial properties. Biomaterials, 2015, 52, 291-300.	11.4	103
78	Relative expression of Î±-smooth muscle actin and matrix metalloproteinases-2 in ameloblastoma of a black African sub-population. Annals of African Medicine, 2015, 14, 188.	0.5	0
79	Non-cross-linked collagen type I/III materials enhance cell proliferation: in vitro and in vivo evidence. Journal of Applied Oral Science, 2014, 22, 29-37.	1.8	47
80	One-stage microvascular mandible reconstruction and alloplastic TMJ prosthesis. Journal of Cranio-Maxillo-Facial Surgery, 2014, 42, 28-34.	1.7	20
81	Expression of CD34 and Maspin in ameloblastoma from a West African subpopulation. Tumor Biology, 2014, 35, 7727-7731.	1.8	1
82	Nanocrystalline Hydroxyapatite-Based Material Already Contributes to Implant Stability After 3 Months: A Clinical and Radiologic 3-Year Follow-up Investigation. Journal of Oral Implantology, 2014, 40, 103-110.	1.0	17
83	Advanced Platelet-Rich Fibrin: A New Concept for Cell-Based Tissue Engineering by Means of Inflammatory Cells. Journal of Oral Implantology, 2014, 40, 679-689.	1.0	401
84	Potential lack of â€œstandardizedâ€•processing techniques for production of allogeneic and xenogeneic bone blocks for application in humans. Acta Biomaterialia, 2014, 10, 3557-3562.	8.3	66
85	Nanocrystalline Hydroxyapatite Bone Substitute Leads to Sufficient Bone Tissue Formation Already after 3 Months: Histological and Histomorphometrical Analysis 3 and 6 Months following Human Sinus Cavity Augmentation. Clinical Implant Dentistry and Related Research, 2013, 15, 883-892.	3.7	38
86	Implantation of silicon dioxide-based nanocrystalline hydroxyapatite and pure phase beta-tricalciumphosphate bone substitute granules in caprine muscle tissue does not induce new bone formation. Head & Face Medicine, 2013, 9, 1.	2.1	49
87	Nanoscale Chemical Interaction Enhances the Physical Properties of Bioglass Composites. ACS Nano, 2013, 7, 8469-8483.	14.6	35
88	Synthetic bone substitute material comparable with xenogeneic material for bone tissue regeneration in oral cancer patients: First and preliminary histological, histomorphometrical and clinical results. Annals of Maxillofacial Surgery, 2013, 3, 126.	0.7	42
89	The chemical composition of synthetic bone substitutes influences tissue reactionsin vivo: histological and histomorphometrical analysis of the cellular inflammatory response to hydroxyapatite, beta-tricalcium phosphate and biphasic calcium phosphate ceramics. Biomedical Materials (Bristol), 2012, 7, 015005.	3.3	119
90	Non-cross-linked porcine-based collagen Iâ€“III membranes do not require high vascularization rates for their integration within the implantation bed: A paradigm shift. Acta Biomaterialia, 2012, 8, 3061-3072.	8.3	65

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91	Bovine pericardium based non-cross linked collagen matrix for successful root coverage, a clinical study in human. Head & Face Medicine, 2012, 8, 6.	2.1	28
92	Scaffold vascularization inÂvivo driven by primary human osteoblasts in concert with host inflammatory cells. Biomaterials, 2011, 32, 8150-8160.	11.4	111
93	Rapid vascularization of starch-poly(caprolactone) in vivo by outgrowth endothelial cells in co-culture with primary osteoblasts. Journal of Tissue Engineering and Regenerative Medicine, 2011, 5, e136-e143.	2.7	62
94	Evaluation of the tissue reaction to a new bilayered collagen matrix in vivo and its translation to the clinic. Biomedical Materials (Bristol), 2011, 6, 015010.	3.3	127
95	Influence of Î²-tricalcium phosphate granule size and morphology on tissue reaction in vivo. Acta Biomaterialia, 2010, 6, 4476-4487.	8.3	164
96	The rapid anastomosis between prevascularized networks on silk fibroin scaffolds generated in vitro with cocultures of human microvascular endothelial and osteoblast cells and the host vasculature. Biomaterials, 2010, 31, 6959-6967.	11.4	197
97	Fine-tuning scaffolds for tissue regeneration: effects of formic acid processing on tissue reaction to silk fibroin. Journal of Tissue Engineering and Regenerative Medicine, 2010, 4, n/a-n/a.	2.7	46
98	Histological and histomorphometrical analysis of a silica matrix embedded nanocrystalline hydroxyapatite bone substitute using the subcutaneous implantation model in Wistar rats. Biomedical Materials (Bristol), 2010, 5, 035005.	3.3	44
99	Contribution of outgrowth endothelial cells from human peripheral blood on in vivo vascularization of bone tissue engineered constructs based on starch polycaprolactone scaffolds. Biomaterials, 2009, 30, 526-534.	11.4	184
100	Dynamic processes involved in the pre-vascularization of silk fibroin constructs for bone regeneration using outgrowth endothelial cells. Biomaterials, 2009, 30, 1329-1338.	11.4	150
101	Dynamic in vivo biocompatibility of angiogenic peptide amphiphile nanofibers. Biomaterials, 2009, 30, 6202-6212.	11.4	116