

Mohamed-Nur Abdallah

List of Publications by Citations

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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.

91
papers

2,440
citations

29
h-index

47
g-index

95
ext. papers

2,905
ext. citations

5.6
avg, IF

5.14
L-index

#	Paper	IF	Citations
91	Dicalcium phosphate cements: brushite and monetite. <i>Acta Biomaterialia</i> , 2012 , 8, 474-87	10.8	297
90	Craniofacial vertical bone augmentation: a comparison between 3D printed monolithic monetite blocks and autologous onlay grafts in the rabbit. <i>Biomaterials</i> , 2009 , 30, 6318-26	15.6	113
89	Biocompatibility of magnesium phosphate minerals and their stability under physiological conditions. <i>Acta Biomaterialia</i> , 2011 , 7, 2678-85	10.8	113
88	Mechanisms of Degradation and Resorption of Calcium Phosphate Based Biomaterials. <i>Materials</i> , 2015 , 8, 7913-7925	3.5	111
87	Hydrogen peroxide whitens teeth by oxidizing the organic structure. <i>Journal of Dentistry</i> , 2012 , 40 Suppl 2, e25-33	4.8	103
86	Resorption of monetite granules in alveolar bone defects in human patients. <i>Biomaterials</i> , 2010 , 31, 2762-96	5.9	97
85	The effect of autoclaving on the physical and biological properties of dicalcium phosphate dihydrate bioceramics: brushite vs. monetite. <i>Acta Biomaterialia</i> , 2012 , 8, 3161-9	10.8	88
84	Osseointegration of dental implants in 3D-printed synthetic onlay grafts customized according to bone metabolic activity in recipient site. <i>Biomaterials</i> , 2014 , 35, 5436-45	15.6	76
83	Bone regeneration in rabbit calvaria with novel monetite granules. <i>Journal of Biomedical Materials Research - Part A</i> , 2008 , 87, 980-5	5.4	72
82	Improving PEEK bioactivity for craniofacial reconstruction using a 3D printed scaffold embedded with mesenchymal stem cells. <i>Journal of Biomaterials Applications</i> , 2016 , 31, 132-9	2.9	69
81	Narghile (water pipe) smoking among university students in Jordan: prevalence, pattern and beliefs. <i>Harm Reduction Journal</i> , 2010 , 7, 10	4.6	57
80	Vertical bone augmentation with 3D-synthetic monetite blocks in the rabbit calvaria. <i>Journal of Clinical Periodontology</i> , 2011 , 38, 1147-53	7.7	56
79	In vitro degradation and in vivo resorption of dicalcium phosphate cement based grafts. <i>Acta Biomaterialia</i> , 2015 , 26, 338-46	10.8	55
78	Extracellular Matrices for Bone Regeneration: A Literature Review. <i>Tissue Engineering - Part A</i> , 2017 , 23, 1436-1451	3.9	54
77	Two-Dimensional Magnesium Phosphate Nanosheets Form Highly Thixotropic Gels That Up-Regulate Bone Formation. <i>Nano Letters</i> , 2016 , 16, 4779-87	11.5	51
76	Oral tori are associated with local mechanical and systemic factors: a case-control study. <i>Journal of Oral and Maxillofacial Surgery</i> , 2013 , 71, 14-22	1.8	49
75	Clinical orthodontic management during the COVID-19 pandemic. <i>Angle Orthodontist</i> , 2020 , 90, 473-484	2.6	47

74	Regulation of enamel hardness by its crystallographic dimensions. <i>Acta Biomaterialia</i> , 2012 , 8, 3400-10	10.8	46
73	Trace elements can influence the physical properties of tooth enamel. <i>SpringerPlus</i> , 2013 , 2, 499		42
72	The role of enamel crystallography on tooth shade. <i>Journal of Dentistry</i> , 2011 , 39 Suppl 3, e3-10	4.8	40
71	Biomaterial surface proteomic signature determines interaction with epithelial cells. <i>Acta Biomaterialia</i> , 2017 , 54, 150-163	10.8	37
70	Decontamination of titanium implants using physical methods. <i>Clinical Oral Implants Research</i> , 2017 , 28, 1013-1021	4.8	36
69	Systemic administration of omeprazole interferes with bone healing and implant osseointegration: an in vivo study on rat tibiae. <i>Journal of Clinical Periodontology</i> , 2016 , 43, 193-203	7.7	35
68	Removable partial denture alloys processed by laser-sintering technique. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018 , 106, 1174-1185	3.5	33
67	Membranes over the lateral window in sinus augmentation procedures: a two-arm and split-mouth randomized clinical trials. <i>Journal of Clinical Periodontology</i> , 2013 , 40, 1043-51	7.7	31
66	Proton Pump Inhibitors and the Risk of Osseointegrated Dental Implant Failure: A Cohort Study. <i>Clinical Implant Dentistry and Related Research</i> , 2017 , 19, 222-232	3.9	31
65	Anti-VEGFs hinder bone healing and implant osseointegration in rat tibiae. <i>Journal of Clinical Periodontology</i> , 2015 , 42, 688-96	7.7	30
64	Strategies for Optimizing the Soft Tissue Seal around Osseointegrated Implants. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1700549	10.1	29
63	Antihypertensive Medications and the Survival Rate of Osseointegrated Dental Implants: A Cohort Study. <i>Clinical Implant Dentistry and Related Research</i> , 2016 , 18, 1171-1182	3.9	29
62	Propranolol enhances bone healing and implant osseointegration in rats tibiae. <i>Journal of Clinical Periodontology</i> , 2016 , 43, 1160-1170	7.7	27
61	Effect of processing conditions of dicalcium phosphate cements on graft resorption and bone formation. <i>Acta Biomaterialia</i> , 2017 , 53, 526-535	10.8	25
60	Platelet concentrates for bone regeneration: Current evidence and future challenges. <i>Platelets</i> , 2018 , 29, 105-112	3.6	24
59	Three-dimensionally printed polyetherketoneketone scaffolds with mesenchymal stem cells for the reconstruction of critical-sized mandibular defects. <i>Laryngoscope</i> , 2017 , 127, E392-E398	3.6	24
58	Bonding metals to poly(methyl methacrylate) using aryldiazonium salts. <i>Dental Materials</i> , 2015 , 31, 105-114	3.7	24
57	Matrix metalloproteinases and their pathological upregulation in multiple sclerosis: an overview. <i>Acta Neurologica Belgica</i> , 2013 , 113, 381-90	1.5	23

56	Bone extracts immunomodulate and enhance the regenerative performance of dicalcium phosphates bioceramics. <i>Acta Biomaterialia</i> , 2019 , 89, 343-358	10.8	21
55	Controlling Bone Graft Substitute Microstructure to Improve Bone Augmentation. <i>Advanced Healthcare Materials</i> , 2016 , 5, 1646-55	10.1	21
54	Diagenesis-inspired reaction of magnesium ions with surface enamel mineral modifies properties of human teeth. <i>Acta Biomaterialia</i> , 2016 , 37, 174-83	10.8	21
53	Bone Augmented With Allograft Onlays for Implant Placement Could Be Comparable With Native Bone. <i>Journal of Oral and Maxillofacial Surgery</i> , 2015 , 73, 2108-22	1.8	20
52	Combination of polyetherketoneketone scaffold and human mesenchymal stem cells from temporomandibular joint synovial fluid enhances bone regeneration. <i>Scientific Reports</i> , 2019 , 9, 472	4.9	19
51	Marginal Discrepancies of Monolithic Zirconia Crowns: The Influence of Preparation Designs and Sintering Techniques. <i>Journal of Prosthodontics</i> , 2019 , 28, 288-298	3.9	15
50	Donepezil regulates energy metabolism and favors bone mass accrual. <i>Bone</i> , 2016 , 84, 131-138	4.7	15
49	High strength brushite bioceramics obtained by selective regulation of crystal growth with chiral biomolecules. <i>Acta Biomaterialia</i> , 2020 , 106, 351-359	10.8	14
48	Chronotherapy of Non-Steroidal Anti-Inflammatory Drugs May Enhance Postoperative Recovery. <i>Scientific Reports</i> , 2020 , 10, 468	4.9	14
47	The case for chronotherapy in Covid-19-induced acute respiratory distress syndrome. <i>British Journal of Pharmacology</i> , 2020 , 177, 4845-4850	8.6	14
46	Plaque Accumulation Beneath Maxillary All-on-4 Implant-Supported Protheses. <i>Clinical Implant Dentistry and Related Research</i> , 2015 , 17, 932-7	3.9	13
45	Development of a composite resin disclosing agent based on the understanding of tooth staining mechanisms. <i>Journal of Dentistry</i> , 2014 , 42, 697-708	4.8	13
44	Bio-inspired and optimized interlocking features for strengthening metal/polymer interfaces in additively manufactured protheses. <i>Acta Biomaterialia</i> , 2018 , 80, 425-434	10.8	12
43	Three-Dimensional Printed Scaffolds with Multipotent Mesenchymal Stromal Cells for Rabbit Mandibular Reconstruction and Engineering. <i>Methods in Molecular Biology</i> , 2017 , 1553, 273-291	1.4	11
42	Natural and synthetic bone replacement graft materials for dental and maxillofacial applications 2019 , 347-376		11
41	Low intensity pulsed ultrasound increases mandibular height and Col-II and VEGF expression in arthritic mice. <i>Archives of Oral Biology</i> , 2019 , 104, 112-118	2.8	9
40	Regulated fracture in tooth enamel: a nanotechnological strategy from nature. <i>Journal of Biomechanics</i> , 2014 , 47, 2444-51	2.9	8
39	The antidepressant drug, sertraline, hinders bone healing and osseointegration in rats Tibiae. <i>Journal of Clinical Periodontology</i> , 2018 , 45, 1485-1497	7.7	8

38	Comparative adsorption profiles of basal lamina proteome and gingival cells onto dental and titanium surfaces. <i>Acta Biomaterialia</i> , 2018 , 73, 547-558	10.8	7
37	Composition and characteristics of trabecular bone in osteoporosis and osteoarthritis. <i>Bone</i> , 2020 , 140, 115558	4.7	7
36	Advanced inorganic nanocomposite for decontaminating titanium dental implants. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019 , 107, 761-772	3.5	7
35	Determining the retention of removable partial dentures. <i>Journal of Prosthetic Dentistry</i> , 2019 , 122, 55-62.e3	4.2	6
34	Metal-composite adhesion based on diazonium chemistry. <i>Dental Materials</i> , 2017 , 33, e393-e404	5.7	6
33	Achieving enhanced bone regeneration using monetite granules with bone anabolic drug conjugates (C3 and C6) in rat mandibular defects. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020 , 108, 2670-2680	3.5	5
32	Are interventions for accelerating orthodontic tooth movement effective?. <i>Evidence-Based Dentistry</i> , 2014 , 15, 116-7	1.3	5
31	Postoperative Administration of the Acetylcholinesterase Inhibitor, Donepezil, Interferes with Bone Healing and Implant Osseointegration in a Rat Model. <i>Biomolecules</i> , 2020 , 10,	5.9	5
30	Biomimetic trace metals improve bone regenerative properties of calcium phosphate bioceramics. <i>Journal of Biomedical Materials Research - Part A</i> , 2021 , 109, 666-681	5.4	5
29	An analytical model to design circumferential clasps for laser-sintered removable partial dentures. <i>Dental Materials</i> , 2018 , 34, 1474-1482	5.7	5
28	Digital removable partial dentures. <i>Clinical Dentistry Reviewed</i> , 2020 , 4, 1	0.4	4
27	Scaffolds for epithelial tissue engineering customized in elastomeric molds. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018 , 106, 880-890	3.5	4
26	Electrochemical Treatment of Contaminated Titanium Surfaces in Vitro: An Approach for Implant Surface Decontamination. <i>ACS Biomaterials Science and Engineering</i> , 2016 , 2, 1504-1518	5.5	4
25	Patient-Reported Outcomes of Metal and Acrylic Resin Removable Partial Dentures: A Systematic Review and Meta-Analysis. <i>Journal of Prosthodontics</i> , 2020 , 29, 378-386	3.9	3
24	Use of beta-blockers and risk of aseptic loosening in total hip and knee arthroplasty: a nested case - control study. <i>Journal of Musculoskeletal Neuronal Interactions</i> , 2019 , 19, 104-111	1.3	3
23	The effect of aging on the bone healing properties of blood plasma. <i>Injury</i> , 2021 , 52, 1697-1708	2.5	3
22	Osseointegration Pharmacology: A Systematic Mapping Using Artificial Intelligence. <i>Acta Biomaterialia</i> , 2021 , 119, 284-302	10.8	3
21	3D-Printed Removable Partial Dentures 2019 , 95-113		2

20	Fabrication of Dental Restorations Using Digital Technologies: Techniques and Materials 2019 , 55-91		2
19	Tooth Shade Preferences among the General Public. <i>Journal of Prosthodontics</i> , 2020 , 29, 564-572	3.9	2
18	Ranitidine Impairs Bone Healing and Implant Osseointegration in Rats Tibiae. <i>Journal of Oral and Maxillofacial Surgery</i> , 2020 , 78, 1943-1952	1.8	2
17	Chiral Tartaric Acid Improves Fracture Toughness of Bioactive Brushite-Collagen Bone Cements. <i>ACS Applied Bio Materials</i> , 2020 , 3, 5056-5066	4.1	2
16	Age related changes in the bone microstructure in patients with femoral neck fractures. <i>Injury</i> , 2020 , 51 Suppl 1, S12-S18	2.5	2
15	Biocompatibility and Durability of Diazonium Adhesives on Dental Alloys. <i>Journal of Prosthodontics</i> , 2020 , 29, 251-260	3.9	2
14	Analytical model of I-bar clasps for removable partial dentures. <i>Dental Materials</i> , 2021 , 37, 1066-1072	5.7	2
13	High toughness resorbable brushite-gypsum fiber-reinforced cements. <i>Materials Science and Engineering C</i> , 2021 , 127, 112205	8.3	2
12	Development of a Checklist to Prevent Reconstructive Errors Made By Undergraduate Dental Students. <i>Journal of Prosthodontics</i> , 2020 , 29, 573-578	3.9	1
11	Inconclusive evidence on using antibiotic prophylaxis before dental procedures to prevent infective endocarditis. <i>Journal of the American Dental Association</i> , 2017 , 148, 618-620	1.9	1
10	NSAID chronotherapy after impacted third molar extraction: a randomized controlled trial.. <i>Oral and Maxillofacial Surgery</i> , 2022 , 1	1.6	1
9	Evaluation of the design-driven prediction of removable partial denture retention. <i>Journal of Prosthetic Dentistry</i> , 2020 , 124, 357-364	4	1
8	The role of cortical perforations in allogeneic block grafting for lateral augmentation in maxilla: A randomized clinical trial. <i>Clinical Implant Dentistry and Related Research</i> , 2021 , 23, 530-542	3.9	1
7	Rehabilitation of a Completely Edentulous Patient with Nonreducible Bilateral Anterior Dislocation of the Temporomandibular Joint: A Prosthodontic Challenge-Clinical Report. <i>Journal of Prosthodontics</i> , 2016 , 25, 402-6	3.9	1
6	Differences in platelet-rich plasma composition influence bone healing. <i>Journal of Clinical Periodontology</i> , 2021 , 48, 1613-1623	7.7	1
5	Improved bone regeneration using bone anabolic drug conjugates (C3 and C6) with deproteinized bovine bone mineral as a carrier in rat mandibular defects. <i>Journal of Periodontology</i> , 2020 , 91, 1521-1531	4.6	0
4	Pharmacological Risk Assessment for Dental Implants 2018 , 37-65		
3	Rehabilitation of a Completely Edentulous Patient with Nonreducible Bilateral Anterior Dislocation Of The Temporomandibular Joint 2016 , 175-179		

- 2 Disclosing Agent for Resin Composite Based on Adsorption Surface Treatment.. *ACS Applied Bio Materials*, **2021**, 4, 7222-7233 4.1
- 1 Proton Pump Inhibitors and the Risk of Early Aseptic Loosening in Hip and Knee Arthroplasty.. *Geriatric Orthopaedic Surgery and Rehabilitation*, **2022**, 13, 21514593221091664 2