

Mohamed-Nur Abdallah

List of Publications by Year in descending order

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93
papers

3,330
citations

126708

33
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155451

55
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all docs

95
docs citations

95
times ranked

4245
citing authors

#	ARTICLE	IF	CITATIONS
1	Dicalcium phosphate cements: Brushite and monetite. <i>Acta Biomaterialia</i> , 2012, 8, 474-487.	4.1	352
2	Mechanisms of in Vivo Degradation and Resorption of Calcium Phosphate Based Biomaterials. <i>Materials</i> , 2015, 8, 7913-7925.	1.3	160
3	Hydrogen peroxide whitens teeth by oxidizing the organic structure. <i>Journal of Dentistry</i> , 2012, 40, e25-e33.	1.7	148
4	Biocompatibility of magnesium phosphate minerals and their stability under physiological conditions. <i>Acta Biomaterialia</i> , 2011, 7, 2678-2685.	4.1	145
5	Craniofacial vertical bone augmentation: A comparison between 3D printed monolithic monetite blocks and autologous onlay grafts in the rabbit. <i>Biomaterials</i> , 2009, 30, 6318-6326.	5.7	128
6	Resorption of monetite granules in alveolar bone defects in human patients. <i>Biomaterials</i> , 2010, 31, 2762-2769.	5.7	111
7	The effect of autoclaving on the physical and biological properties of dicalcium phosphate dihydrate bioceramics: Brushite vs. monetite. <i>Acta Biomaterialia</i> , 2012, 8, 3161-3169.	4.1	109
8	Osseointegration of dental implants in 3D-printed synthetic onlay grafts customized according to bone metabolic activity in recipient site. <i>Biomaterials</i> , 2014, 35, 5436-5445.	5.7	92
9	Improving PEEK bioactivity for craniofacial reconstruction using a 3D printed scaffold embedded with mesenchymal stem cells. <i>Journal of Biomaterials Applications</i> , 2016, 31, 132-139.	1.2	86
10	Clinical orthodontic management during the COVID-19 pandemic. <i>Angle Orthodontist</i> , 2020, 90, 473-484.	1.1	82
11	<sup />Extracellular Matrices for Bone Regeneration: A Literature Review. <i>Tissue Engineering - Part A</i> , 2017, 23, 1436-1451.	1.6	79
12	Bone regeneration in rabbit calvaria with novel monetite granules. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 87A, 980-985.	2.1	78
13	In vitro degradation and in vivo resorption of dicalcium phosphate cement based grafts. <i>Acta Biomaterialia</i> , 2015, 26, 338-346.	4.1	72
14	Narghile (water pipe) smoking among university students in Jordan: prevalence, pattern and beliefs. <i>Harm Reduction Journal</i> , 2010, 7, 10.	1.3	70
15	Vertical bone augmentation with 3D synthetic monetite blocks in the rabbit calvaria. <i>Journal of Clinical Periodontology</i> , 2011, 38, 1147-1153.	2.3	68
16	Strategies for Optimizing the Soft Tissue Seal around Osseointegrated Implants. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700549.	3.9	68
17	Two-Dimensional Magnesium Phosphate Nanosheets Form Highly Thixotropic Gels That Up-Regulate Bone Formation. <i>Nano Letters</i> , 2016, 16, 4779-4787.	4.5	60
18	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.	0.5	57

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19	Regulation of enamel hardness by its crystallographic dimensions. <i>Acta Biomaterialia</i> , 2012, 8, 3400-3410.	4.1	55
20	Trace elements can influence the physical properties of tooth enamel. <i>SpringerPlus</i> , 2013, 2, 499.	1.2	55
21	Removable partial denture alloys processed by laser sintering technique. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018, 106, 1174-1185.	1.6	55
22	Decontamination of titanium implants using physical methods. <i>Clinical Oral Implants Research</i> , 2017, 28, 1013-1021.	1.9	54
23	The role of enamel crystallography on tooth shade. <i>Journal of Dentistry</i> , 2011, 39, e3-e10.	1.7	53
24	Biomaterial surface proteomic signature determines interaction with epithelial cells. <i>Acta Biomaterialia</i> , 2017, 54, 150-163.	4.1	51
25	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.	2.3	49
26	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.	1.6	46
27	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.	1.6	44
28	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, 1043-1051.	2.3	43
29	Platelet concentrates for bone regeneration: Current evidence and future challenges. <i>Platelets</i> , 2018, 29, 105-112.	1.1	43
30	Three-dimensionally printed polyetherketoneketone scaffolds with mesenchymal stem cells for the reconstruction of critical-sized mandibular defects. <i>Laryngoscope</i> , 2017, 127, E392-E398.	1.1	40
31	Anti-VEGFs hinder bone healing and implant osseointegration in rat tibiae. <i>Journal of Clinical Periodontology</i> , 2015, 42, 688-696.	2.3	36
32	Effect of processing conditions of dicalcium phosphate cements on graft resorption and bone formation. <i>Acta Biomaterialia</i> , 2017, 53, 526-535.	4.1	35
33	Bone extracts immunomodulate and enhance the regenerative performance of dicalcium phosphates bioceramics. <i>Acta Biomaterialia</i> , 2019, 89, 343-358.	4.1	35
34	Propranolol enhances bone healing and implant osseointegration in rats tibiae. <i>Journal of Clinical Periodontology</i> , 2016, 43, 1160-1170.	2.3	32
35	Marginal Discrepancies of Monolithic Zirconia Crowns: The Influence of Preparation Designs and Sintering Techniques. <i>Journal of Prosthodontics</i> , 2019, 28, 288-298.	1.7	31
36	Matrix metalloproteinases and their pathological upregulation in multiple sclerosis: an overview. <i>Acta Neurologica Belgica</i> , 2013, 113, 381-390.	0.5	30

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37	Diagenesis-inspired reaction of magnesium ions with surface enamel mineral modifies properties of human teeth. <i>Acta Biomaterialia</i> , 2016, 37, 174-183.	4.1	30
38	Combination of polyetherketoneketone scaffold and human mesenchymal stem cells from temporomandibular joint synovial fluid enhances bone regeneration. <i>Scientific Reports</i> , 2019, 9, 472.	1.6	30
39	Controlling Bone Graft Substitute Microstructure to Improve Bone Augmentation. <i>Advanced Healthcare Materials</i> , 2016, 5, 1646-1655.	3.9	27
40	Bone Augmented With Allograft Onlays for Implant Placement Could Be Comparable With Native Bone. <i>Journal of Oral and Maxillofacial Surgery</i> , 2015, 73, 2108-2122.	0.5	26
41	Bonding metals to poly(methyl methacrylate) using aryldiazonium salts. <i>Dental Materials</i> , 2015, 31, 105-114.	1.6	25
42	Plaque Accumulation Beneath Maxillary All- Ceramic Implant-Supported Protheses. <i>Clinical Implant Dentistry and Related Research</i> , 2015, 17, 932-937.	1.6	24
43	High strength brushite bioceramics obtained by selective regulation of crystal growth with chiral biomolecules. <i>Acta Biomaterialia</i> , 2020, 106, 351-359.	4.1	24
44	Donepezil regulates energy metabolism and favors bone mass accrual. <i>Bone</i> , 2016, 84, 131-138.	1.4	23
45	The case for chronotheapy in Covid-19-induced acute respiratory distress syndrome. <i>British Journal of Pharmacology</i> , 2020, 177, 4845-4850.	2.7	20
46	Composition and characteristics of trabecular bone in osteoporosis and osteoarthritis. <i>Bone</i> , 2020, 140, 115558.	1.4	19
47	Chronotherapy of Non-Steroidal Anti-Inflammatory Drugs May Enhance Postoperative Recovery. <i>Scientific Reports</i> , 2020, 10, 468.	1.6	19
48	Bio-inspired and optimized interlocking features for strengthening metal/polymer interfaces in additively manufactured protheses. <i>Acta Biomaterialia</i> , 2018, 80, 425-434.	4.1	18
49	Development of a composite resin disclosing agent based on the understanding of tooth staining mechanisms. <i>Journal of Dentistry</i> , 2014, 42, 697-708.	1.7	17
50	The antidepressant drug, sertraline, hinders bone healing and osseointegration in rats' tibiae. <i>Journal of Clinical Periodontology</i> , 2018, 45, 1485-1497.	2.3	16
51	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.	0.8	16
52	Biomimetic trace metals improve bone regenerative properties of calcium phosphate bioceramics. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 666-681.	2.1	14
53	The Role of Surface Chemistry in the Osseointegration of PEEK Implants. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 1506-1521.	2.6	14
54	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.	0.4	13

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55	Natural and synthetic bone replacement graft materials for dental and maxillofacial applications. , 2019, , 347-376.		13
56	Electrochemical Treatment of Contaminated Titanium Surfaces in Vitro: An Approach for Implant Surface Decontamination. ACS Biomaterials Science and Engineering, 2016, 2, 1504-1518.	2.6	11
57	Comparative adsorption profiles of basal lamina proteome and gingival cells onto dental and titanium surfaces. Acta Biomaterialia, 2018, 73, 547-558.	4.1	11
58	Differences in platelet-rich plasma composition influence bone healing. Journal of Clinical Periodontology, 2021, 48, 1613-1623.	2.3	11
59	An analytical model to design circumferential clasps for laser-sintered removable partial dentures. Dental Materials, 2018, 34, 1474-1482.	1.6	10
60	Are interventions for accelerating orthodontic tooth movement effective?. Evidence-Based Dentistry, 2014, 15, 116-117.	0.3	9
61	Regulated fracture in tooth enamel: A nanotechnological strategy from nature. Journal of Biomechanics, 2014, 47, 2444-2451.	0.9	9
62	Metal-composite adhesion based on diazonium chemistry. Dental Materials, 2017, 33, e393-e404.	1.6	9
63	Determining the retention of removable partial dentures. Journal of Prosthetic Dentistry, 2019, 122, 55-62.e3.	1.1	9
64	Advanced inorganic nanocomposite for decontaminating titanium dental implants. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2019, 107, 761-772.	1.6	9
65	Osseointegration Pharmacology: A Systematic Mapping Using Artificial Intelligence. Acta Biomaterialia, 2021, 119, 284-302.	4.1	9
66	Postoperative Administration of the Acetylcholinesterase Inhibitor, Donepezil, Interferes with Bone Healing and Implant Osseointegration in a Rat Model. Biomolecules, 2020, 10, 1318.	1.8	8
67	Achieving enhanced bone regeneration using monetite granules with bone anabolic drug conjugates (C3 and C6) in rat mandibular defects. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 2670-2680.	1.6	8
68	Patient-Reported Outcomes of Metal and Acrylic Resin Removable Partial Dentures: A Systematic Review and Meta-Analysis. Journal of Prosthodontics, 2020, 29, 378-386.	1.7	8
69	Scaffolds for epithelial tissue engineering customized in elastomeric molds. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 880-890.	1.6	7
70	Digital removable partial dentures. Clinical Dentistry Reviewed, 2020, 4, 1.	0.1	6
71	High toughness resorbable brushite-gypsum fiber-reinforced cements. Materials Science and Engineering C, 2021, 127, 112205.	3.8	6
72	Tooth Shade Preferences among the General Public. Journal of Prosthodontics, 2020, 29, 564-572.	1.7	4

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73	Ranitidine Impairs Bone Healing and Implant Osseointegration in Rats' Tibiae. <i>Journal of Oral and Maxillofacial Surgery</i> , 2020, 78, 1943-1952.	0.5	4
74	Chiral Tartaric Acid Improves Fracture Toughness of Bioactive Brushiteâ€“Collagen Bone Cements. <i>ACS Applied Bio Materials</i> , 2020, 3, 5056-5066.	2.3	4
75	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.	1.6	4
76	The effect of aging on the bone healing properties of blood plasma. <i>Injury</i> , 2021, 52, 1697-1708.	0.7	4
77	3D-Printed Removable Partial Dentures. , 2019, , 95-113.		3
78	Fabrication of Dental Restorations Using Digital Technologies: Techniques and Materials. , 2019, , 55-91.		3
79	Evaluation of the design-driven prediction of removable partial denture retention. <i>Journal of Prosthetic Dentistry</i> , 2020, 124, 357-364.	1.1	3
80	Age related changes in the bone microstructure in patients with femoral neck fractures. <i>Injury</i> , 2020, 51, S12-S18.	0.7	3
81	Analytical model of I-bar clasps for removable partial dentures. <i>Dental Materials</i> , 2021, 37, 1066-1072.	1.6	3
82	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.	0.1	3
83	NSAID chronotherapy after impacted third molar extraction: a randomized controlled trial. <i>Oral and Maxillofacial Surgery</i> , 2022, 26, 663-672.	0.6	3
84	Rehabilitation of a Completely Edentulous Patient with Nonreducible Bilateral Anterior Dislocation of the Temporomandibular Joint: A Prosthodontic Challengeâ€“Clinical Report. <i>Journal of Prosthodontics</i> , 2016, 25, 402-406.	1.7	2
85	Biocompatibility and Durability of Diazonium Adhesives on Dental Alloys. <i>Journal of Prosthodontics</i> , 2020, 29, 251-260.	1.7	2
86	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.	0.7	1
87	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.	1.7	1
88	Development of a Checklist to Prevent Reconstructive Errors Made By Undergraduate Dental Students. <i>Journal of Prosthodontics</i> , 2020, 29, 573-578.	1.7	1
89	How Do Bone Allografts Regenerate Bone?. <i>Journal of Craniofacial Surgery</i> , 2021, Publish Ahead of Print, .	0.3	1
90	Proton Pump Inhibitors and the Risk of Early Aseptic Loosening in Hip and Knee Arthroplasty. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2022, 13, 215145932210916.	0.6	1

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91	Osseointegrated Implants: Strategies for Optimizing the Soft Tissue Seal around Osseointegrated Implants (Adv. Healthcare Mater. 20/2017). Advanced Healthcare Materials, 2017, 6, .	3.9	0
92	Pharmacological Risk Assessment for Dental Implants. , 2018, , 37-65.		0
93	Disclosing Agent for Resin Composite Based on Adsorption Surface Treatment. ACS Applied Bio Materials, 2021, 4, 7222-7233.	2.3	0