

Ali H Hassan

List of Publications by Year in descending order

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77
papers

1,226
citations

393982

19
h-index

433756

31
g-index

79
all docs

79
docs citations

79
times ranked

1447
citing authors

#	ARTICLE	IF	CITATIONS
1	Association of orthodontic treatment needs and oral health-related quality of life in young adults. American Journal of Orthodontics and Dentofacial Orthopedics, 2010, 137, 42-47.	0.8	98
2	Corticotomy-Assisted Orthodontic Treatment: Review. Open Dentistry Journal, 2010, 4, 159-164.	0.2	94
3	Blue energy fuels: converting ocean wave energy to carbon-based liquid fuels <i>via</i> CO ₂ reduction. Energy and Environmental Science, 2020, 13, 1300-1308.	15.6	93
4	Intranasal in situ gel loaded with saquinavir mesylate nanosized microemulsion: Preparation, characterization, and in vivo evaluation. International Journal of Pharmaceutics, 2014, 475, 191-197.	2.6	55
5	Solid lipid nanoparticles loaded with iron to overcome barriers for treatment of iron deficiency anemia. Drug Design, Development and Therapy, 2015, 9, 313.	2.0	52
6	Cephalometric norms for Saudi adults living in the western region of Saudi Arabia. Angle Orthodontist, 2006, 76, 109-113.	1.1	49
7	Pattern of third molar impaction in a Saudi population. Clinical, Cosmetic and Investigational Dentistry, 2010, 2, 109.	0.7	41
8	Orthodontic treatment needs in the western region of Saudi Arabia: a research report. Head & Face Medicine, 2006, 2, 2.	0.8	37
9	Growth modification of the mandible with ultrasound in baboons: A preliminary report. American Journal of Orthodontics and Dentofacial Orthopedics, 2006, 130, 435.e7-435.e14.	0.8	35
10	Unilateral cross bite treated by corticotomy-assisted expansion: two case reports. Head & Face Medicine, 2010, 6, 6.	0.8	33
11	Corticotomy-assisted orthodontic treatment. Journal of King Abdulaziz University, Islamic Economics, 2015, 36, 794-801.	0.5	29
12	Cross-linked dry bonding: A new etch-and-rinse technique. Dental Materials, 2016, 32, 1124-1132.	1.6	27
13	Dental arch dimensions, form and tooth size ratio among a Saudi sample. Journal of King Abdulaziz University, Islamic Economics, 2018, 39, 86-91.	0.5	26
14	Relationship between blood-spot insulin-like growth factor 1 levels and hand-wrist assessment of skeletal maturity. American Journal of Orthodontics and Dentofacial Orthopedics, 2009, 136, 59-64.	0.8	23
15	Association of orthodontic treatment needs and oral health-related quality of life in Saudi children seeking orthodontic treatment. Patient Preference and Adherence, 2014, 8, 1571.	0.8	23
16	Bone inductive proteins to enhance postorthodontic stability. Angle Orthodontist, 2010, 80, 1051-1060.	1.1	22
17	Characterization of a novel enamel sealer for bioactive remineralization of white spot lesions. Journal of Dentistry, 2021, 109, 103663.	1.7	22
18	Use of Bone Morphogenetic Protein-2 and Dentin Matrix Protein-1 to Enhance the Osteointegration of the Onplant System. Connective Tissue Research, 2003, 44, 30-41.	1.1	21

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19	The effect of light-emitting diode and laser on mandibular growth in rats. Angle Orthodontist, 2015, 85, 233-238.	1.1	21
20	Diabetes detrimental effects on enamel and dentine formation. Journal of Dentistry, 2015, 43, 589-596.	1.7	20
21	RF Energy Harvesting IoT System for Museum Ambience Control with Deep Learning. Sensors, 2019, 19, 4465.	2.1	20
22	En masse retraction versus two-step retraction of anterior teeth in extraction treatment of bimaxillary protrusion. Journal of Orthodontic Science, 2013, 2, 28.	0.2	18
23	Is chlorhexidine-methacrylate as effective as chlorhexidine digluconate in preserving resin dentin interfaces?. Journal of Dentistry, 2016, 45, 7-13.	1.7	18
24	Effect of piezocision corticotomy on en-masse retraction:. Angle Orthodontist, 2020, 90, 648-654.	1.1	17
25	Soy polysaccharide as a novel superdisintegrant in sildenafil citrate sublingual tablets: preparation, characterization, and in vivo evaluation. Drug Design, Development and Therapy, 2015, 9, 465.	2.0	16
26	Mandibular cephalometric characteristics of a Saudi sample of patients having impacted third molars. Saudi Dental Journal, 2011, 23, 73-80.	0.5	15
27	Depot injectable biodegradable nanoparticles loaded with recombinant human bone morphogenetic protein-2: preparation, characterization, and in vivo evaluation. Drug Design, Development and Therapy, 2015, 9, 3599.	2.0	15
28	Effects of Low-Intensity Pulsed Ultrasound on Orthodontic Tooth Movement and Orthodontically Induced Inflammatory Root Resorption in Ovariectomized Osteoporotic Rats. Ultrasound in Medicine and Biology, 2016, 42, 808-814.	0.7	15
29	Effects of chlorhexidine (gel) application on bacterial levels and orthodontic brackets during orthodontic treatment. Journal of Oral Science, 2016, 58, 35-42.	0.7	14
30	Cephalometric characteristics of Class II division 1 malocclusion in a Saudi population living in the western region. Saudi Dental Journal, 2011, 23, 23-27.	0.5	13
31	Evaluation of mini-implant sites in the posterior maxilla using traditional radiographs and cone-beam computed tomography. Journal of King Abdulaziz University, Islamic Economics, 2015, 36, 1336-1341.	0.5	13
32	Effects of nicotine on bone during orthodontic tooth movement in male rats. Journal of King Abdulaziz University, Islamic Economics, 2016, 37, 1127-1135.	0.5	13
33	Controlled release of injectable liposomal<i>in situ</i>gel loaded with recombinant human bone morphogenetic protein-2 for the repair of alveolar bone clefts in rabbits. Journal of Liposome Research, 2016, 26, 1-8.	1.5	12
34	Comparison of oral health-related quality of life of patients treated by palatal expanders with patients treated by fixed orthodontic appliances. Patient Preference and Adherence, 2017, Volume 11, 699-705.	0.8	12
35	Cephalometric norms for the Saudi children living in the western region of Saudi Arabia: a research report. Head & Face Medicine, 2005, 1, 5.	0.8	11
36	Shear bond strength of precoated orthodontic brackets: an in vivo study. Clinical, Cosmetic and Investigational Dentistry, 0, Volume 2, 41-45.	0.7	9

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37	Effect of anterior crowding or spacing on oral health-related quality of life: a cross-sectional study. Patient Preference and Adherence, 2018, Volume 12, 461-465.	0.8	9
38	Calcitonin and vitamin D3 have high therapeutic potential for improving diabetic mandibular growth. International Journal of Oral Science, 2016, 8, 39-44.	3.6	8
39	Pulp volume changes after piezocision-assisted tooth movement: a randomized clinical trial. BMC Oral Health, 2021, 21, 28.	0.8	8
40	A VCO-Based MPPT Circuit for Low-Voltage Energy Harvesters. , 2017, , .		7
41	Piezocision as an adjunct to orthodontic treatment of unilateral posterior crossbite. Journal of King Abdulaziz University, Islamic Economics, 2017, 38, 425-430.	0.5	7
42	Experimental Verification of a Fractional-Order Wien Oscillator Built Using Solid-State Capacitors. , 2018, , .		7
43	Effectiveness of presurgical nasoalveolar molding therapy on unilateral cleft lip nasal deformity. Journal of King Abdulaziz University, Islamic Economics, 2018, 39, 169-178.	0.5	7
44	Effect of gastric acids on surface topography and bending properties of esthetic coated nickel-titanium orthodontic archwires. Clinical Oral Investigations, 2021, 25, 1319-1326.	1.4	7
45	Effect of gingival fibroblasts and ultrasound on dogs's root resorption during orthodontic treatment. Journal of Orthodontic Science, 2017, 6, 28.	0.2	7
46	Skeletal anchorage for intrusion of bimaxillary molars in a patient with skeletal open bite and temporomandibular disorders. Journal of Orthodontic Science, 2017, 6, 152.	0.2	7
47	Skeletal and dental characteristics of subjects with incompetent lips. Journal of King Abdulaziz University, Islamic Economics, 2014, 35, 849-54.	0.5	7
48	Zein based magnesium oxide nanoparticles: Assessment of antimicrobial activity for dental implications. Pakistan Journal of Pharmaceutical Sciences, 2018, 31, 245-250.	0.2	7
49	An ultra-low power voltage-to-time converter (VTC) circuit for low power and low speed applications. , 2016, , .		6
50	Fourier-transform infrared spectroscopy/attenuated total reflectance analysis for the degree of conversion and shear bond strength of Transbond XT adhesive system. Clinical, Cosmetic and Investigational Dentistry, 2018, Volume 10, 275-280.	0.7	6
51	A low-power high-speed charge-steering comparator for high-speed applications. , 2016, , .		5
52	A 1 GS/s 6-bit time-based analog-to-digital converter (T-ADC) for front-end receivers. , 2017, , .		5
53	A Smart Indoor Navigation System Over BLE. , 2019, , .		5
54	Protective Effects of Low-Intensity Pulsed Ultrasound on Mandibular Condylar Cartilage Exposed to Mechanical Overloading. Ultrasound in Medicine and Biology, 2019, 45, 944-953.	0.7	5

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55	<p>Oral Health-Related Quality of Life of Saudi Young Adults with Vertical Discrepancies in Occlusion</p>. Patient Preference and Adherence, 2020, Volume 14, 1021-1026.	0.8	5
56	Ultrasound Enhances Dentoalveolar Remodeling in an ExÂVivo Orthodontic, Ovariectomy-Induced Osteoporotic Model. Ultrasound in Medicine and Biology, 2017, 43, 1963-1974.	0.7	4
57	A comparative analysis of optimized low-power comparators for biomedical-ADCs. , 2017, , .		4
58	A Low-Power Self-Startup Bandgap Circuit for Energy Efficient Applications. , 2017, , .		4
59	A Low-Power Time-Domain Comparator for IoT Applications. , 2018, , .		4
60	In vitro Investigation of the Antimicrobial Activity of Mouth Washes Incorporating Zein-Coated Magnesium Oxide Nanoparticles. Clinical, Cosmetic and Investigational Dentistry, 2021, Volume 13, 395-403.	0.7	4
61	Shear bond strength of precoated orthodontic brackets: an in vivo study. Clinical, Cosmetic and Investigational Dentistry, 2010, 2, 41-5.	0.7	4
62	Use of bone morphogenetic protein-2 and dentin matrix protein-1 to enhance the osteointegration of the Onplant system. Connective Tissue Research, 2003, 44, 30-41.	1.1	4
63	Thank Orthodontic Intrusion Using Temporary Anchorage Devices Compared to Other Orthodontic Intrusion Methods: A Systematic Review. Clinical, Cosmetic and Investigational Dentistry, 2021, Volume 13, 11-19.	0.7	3
64	A 500 MS/s 6 bits delay line ADC with inherit sample & amp; hold. , 2014, , .		2
65	A 200 MS/s 8-bit Time-based Analog-to-Digital Converter with inherit sample and hold. , 2016, , .		2
66	A new design methodology for voltage-to-frequency converters (VFCs) circuits suitable for time-based analog-to-digital converters (T-ADCs). Analog Integrated Circuits and Signal Processing, 2018, 94, 277-287.	0.9	2
67	Effect of surface treatments on push-out bond strength of calcium silicate-based cements to fiber posts. BMC Oral Health, 2021, 21, 131.	0.8	2
68	Quality assessment of dental health services provided at the Faculty of Dentistry, King Abdulaziz University. Journal of the Egyptian Public Health Association, The, 2005, 80, 203-32.	1.0	2
69	Impact of Dental Visits on Oral Health Awareness in Saudi Arabia. Journal of Contemporary Dental Practice, 2019, 20, 783-788.	0.2	2
70	Nonsurgical Treatment of Class III Malocclusion with Both Anterior and Posterior Crossbites Combined with Impacted and Congenitally Missed Teeth. Case Reports in Dentistry, 2020, 2020, 1-10.	0.2	1
71	Nonextraction Management of Severely Malaligned and Constricted Upper Arch. Case Reports in Dentistry, 2020, 2020, 1-9.	0.2	1
72	Correction of a Class III Malocclusion with a Functional Shift and Severe Crowding. Case Reports in Dentistry, 2020, 2020, 1-9.	0.2	1

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73	A 0.002â€m ² 8â€bit 1â€MS/s lowâ€power timeâ€based DAC (Tâ€DAC). IET Circuits, Devices and Systems, 2021, 15, 738-744.	0.9	1
74	The beginning of a new eraâ€!. Journal of Orthodontic Science, 2012, 1, 1.	0.2	1
75	Effectiveness of surface treatment on bond strength of ceramic brackets to two types of CAD/CAM-prepared nanohybrid composites. Journal of Orofacial Orthopedics, 2022, , 1.	0.5	1
76	A Compact Low-Power Mitchell-Based Error Tolerant Multiplier. , 2018, , .		0
77	Nonsurgical Orthodontic Intervention of a Severe Class II Case Accompanied by Posterior Crossbite Using a Miniscrew-Assisted Straight Wire Technique. Case Reports in Dentistry, 2019, 2019, 1-7.	0.2	0