

Yijin Ren

List of Publications by Year in descending order

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88
papers

4,913
citations

117625

34
h-index

95266

68
g-index

91
all docs

91
docs citations

91
times ranked

5730
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanotechnology-based antimicrobials and delivery systems for biofilm-infection control. <i>Chemical Society Reviews</i> , 2019, 48, 428-446.	38.1	464
2	Surface-Adaptive, Antimicrobially Loaded, Micellar Nanocarriers with Enhanced Penetration and Killing Efficiency in Staphylococcal Biofilms. <i>ACS Nano</i> , 2016, 10, 4779-4789.	14.6	293
3	Optimum force magnitude for orthodontic tooth movement: a systematic literature review. <i>Angle Orthodontist</i> , 2003, 73, 86-92.	2.4	284
4	Accuracy and reproducibility of dental replica models reconstructed by different rapid prototyping techniques. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2014, 145, 108-115.	1.7	251
5	Viscoelasticity of biofilms and their recalcitrance to mechanical and chemical challenges. <i>FEMS Microbiology Reviews</i> , 2015, 39, 234-245.	8.6	237
6	The rat as a model for orthodontic tooth movement—a critical review and a proposed solution. <i>European Journal of Orthodontics</i> , 2004, 26, 483-490.	2.4	190
7	Application of Intra-Oral Dental Scanners in the Digital Workflow of Implantology. <i>PLoS ONE</i> , 2012, 7, e43312.	2.5	175
8	Evaluation of anthropometric accuracy and reliability using different three-dimensional scanning systems. <i>Forensic Science International</i> , 2011, 207, 127-134.	2.2	163
9	Validity, reliability, and reproducibility of linear measurements on digital models obtained from intraoral and cone-beam computed tomography scans of alginate impressions. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2013, 143, 140-147.	1.7	157
10	Accuracy of linear measurements from cone-beam computed tomography-derived surface models of different voxel sizes. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2010, 137, 16.e1-16.e6.	1.7	128
11	Cytokines in crevicular fluid and orthodontic tooth movement. <i>European Journal of Oral Sciences</i> , 2008, 116, 89-97.	1.5	124
12	Orthodontic treatment with fixed appliances and biofilm formation—a potential public health threat?. <i>Clinical Oral Investigations</i> , 2014, 18, 1711-1718.	3.0	117
13	Cytokine Profiles in Crevicular Fluid During Orthodontic Tooth Movement of Short and Long Durations. <i>Journal of Periodontology</i> , 2007, 78, 453-458.	3.4	115
14	Eradication of Multidrug-Resistant <i>Staphylococcal</i> Infections by Light-Activatable Micellar Nanocarriers in a Murine Model. <i>Advanced Functional Materials</i> , 2017, 27, 1701974.	14.9	111
15	Surgically facilitated orthodontic treatment: A systematic review. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2014, 145, S51-S64.	1.7	110
16	3D-Printable Antimicrobial Composite Resins. <i>Advanced Functional Materials</i> , 2015, 25, 6756-6767.	14.9	105
17	Applications of 3D printing on craniofacial bone repair: A systematic review. <i>Journal of Dentistry</i> , 2019, 80, 1-14.	4.1	103
18	Treatment comfort, time perception, and preference for conventional and digital impression techniques: A comparative study in young patients. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2016, 150, 261-267.	1.7	93

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19	Autotransplantation of teeth with incomplete root formation: a systematic review and meta-analysis. <i>Clinical Oral Investigations</i> , 2018, 22, 1613-1624.	3.0	83
20	Nanocarriers with conjugated antimicrobials to eradicate pathogenic biofilms evaluated in murine in vivo and human ex vivo infection models. <i>Acta Biomaterialia</i> , 2018, 79, 331-343.	8.3	82
21	Loss of surface enamel after bracket debonding: An in-vivo and ex-vivo evaluation. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2010, 138, 387.e1-387.e9.	1.7	80
22	Editor's Summary and Q&A. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2010, 137, 16-17.	1.7	78
23	Self-targeting, zwitterionic micellar dispersants enhance antibiotic killing of infectious biofilms—An intravital imaging study in mice. <i>Science Advances</i> , 2020, 6, eabb1112.	10.3	73
24	Artificial Channels in an Infectious Biofilm Created by Magnetic Nanoparticles Enhanced Bacterial Killing by Antibiotics. <i>Small</i> , 2019, 15, e1902313.	10.0	70
25	Comparison of methods to evaluate bacterial contact-killing materials. <i>Acta Biomaterialia</i> , 2017, 59, 139-147.	8.3	67
26	Emergent heterogeneous microenvironments in biofilms: substratum surface heterogeneity and bacterial adhesion force-sensing. <i>FEMS Microbiology Reviews</i> , 2018, 42, 259-272.	8.6	66
27	Segmentation process significantly influences the accuracy of 3D surface models derived from cone beam computed tomography. <i>European Journal of Radiology</i> , 2012, 81, e524-e530.	2.6	64
28	Immunohistochemical evaluation of osteoclast recruitment during experimental tooth movement in young and adult rats. <i>Archives of Oral Biology</i> , 2005, 50, 1032-1039.	1.8	56
29	Oral bacterial adhesion forces to biomaterial surfaces constituting the bracket—adhesive—enamel junction in orthodontic treatment. <i>European Journal of Oral Sciences</i> , 2009, 117, 419-426.	1.5	50
30	The influence of the segmentation process on 3D measurements from cone beam computed tomography-derived surface models. <i>Clinical Oral Investigations</i> , 2013, 17, 1919-1927.	3.0	48
31	Carbon Quantum Dots Derived from Different Carbon Sources for Antibacterial Applications. <i>Antibiotics</i> , 2021, 10, 623.	3.7	48
32	Reliability and validity of measurements of facial swelling with a stereophotogrammetry optical three-dimensional scanner. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2014, 52, 922-927.	0.8	43
33	Bacterial Density and Biofilm Structure Determined by Optical Coherence Tomography. <i>Scientific Reports</i> , 2019, 9, 9794.	3.3	43
34	Stress Relaxation Analysis Facilitates a Quantitative Approach towards Antimicrobial Penetration into Biofilms. <i>PLoS ONE</i> , 2013, 8, e63750.	2.5	42
35	Water in bacterial biofilms: pores and channels, storage and transport functions. <i>Critical Reviews in Microbiology</i> , 2022, 48, 283-302.	6.1	38
36	Emergent Properties in <i>Streptococcus mutans</i> Biofilms Are Controlled through Adhesion Force Sensing by Initial Colonizers. <i>MBio</i> , 2019, 10, .	4.1	35

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37	Circumventing antimicrobial-resistance and preventing its development in novel, bacterial infection-control strategies. <i>Expert Opinion on Drug Delivery</i> , 2020, 17, 1151-1164.	5.0	34
38	Homogeneous Distribution of Magnetic, Antimicrobial-Carrying Nanoparticles through an Infectious Biofilm Enhances Biofilm-Killing Efficacy. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 205-212.	5.2	31
39	Full-text publication of abstracts presented at European Orthodontic Society congresses. <i>European Journal of Orthodontics</i> , 2014, 36, 569-575.	2.4	26
40	Surgically facilitated experimental movement of teeth: systematic review. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2015, 53, 491-506.	0.8	26
41	Liposomes with Water as a pH-Responsive Functionality for Targeting of Acidic Tumor and Infection Sites. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17714-17719.	13.8	26
42	Assessing the standards of online oral hygiene instructions for patients with fixed orthodontic appliances. <i>Journal of the American Dental Association</i> , 2015, 146, 310-317.	1.5	22
43	An accurate and efficient method for occlusal tooth wear assessment using 3D digital dental models. <i>Scientific Reports</i> , 2020, 10, 10103.	3.3	22
44	Eradicating Infecting Bacteria while Maintaining Tissue Integration on Photothermal Nanoparticle-Coated Titanium Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 34610-34619.	8.0	22
45	Bone-anchored maxillary protraction in patients with unilateral complete cleft lip and palate and Class III malocclusion. <i>Clinical Oral Investigations</i> , 2019, 23, 2429-2441.	3.0	21
46	Synergy of brushing mode and antibacterial use on in vivo biofilm formation. <i>Journal of Dentistry</i> , 2015, 43, 1580-1586.	4.1	19
47	Possibilities and impossibilities of magnetic nanoparticle use in the control of infectious biofilms. <i>Journal of Materials Science and Technology</i> , 2021, 69, 69-78.	10.7	19
48	Contact-Killing of Adhering Streptococci by a Quaternary Ammonium Compound Incorporated in an Acrylic Resin. <i>International Journal of Artificial Organs</i> , 2012, 35, 854-863.	1.4	18
49	In vivo biofilm formation on stainless steel bonded retainers during different oral health-care regimens. <i>International Journal of Oral Science</i> , 2015, 7, 42-48.	8.6	18
50	Age-dependent external root resorption during tooth movement in rats. <i>Acta Odontologica Scandinavica</i> , 2008, 66, 93-98.	1.6	16
51	Patients' perceptions, treatment need, and complexity of orthodontic re-treatment. <i>European Journal of Orthodontics</i> , 2009, 31, 189-195.	2.4	16
52	Biofilm formation on stainless steel and gold wires for bonded retainers in vitro and in vivo and their susceptibility to oral antimicrobials. <i>Clinical Oral Investigations</i> , 2013, 17, 1209-1218.	3.0	16
53	Applications and Perspectives of Cascade Reactions in Bacterial Infection Control. <i>Frontiers in Chemistry</i> , 2019, 7, 861.	3.6	16
54	Influence of interaction between surface-modified magnetic nanoparticles with infectious biofilm components in artificial channel digging and biofilm eradication by antibiotics in vitro and in vivo. <i>Nanoscale</i> , 2021, 13, 4644-4653.	5.6	16

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55	Antimicrobial penetration in a dual-species oral biofilm after noncontact brushing: an in vitro study. <i>Clinical Oral Investigations</i> , 2014, 18, 1103-1109.	3.0	15
56	Enhanced bacterial killing by vancomycin in staphylococcal biofilms disrupted by novel, DMMA-modified carbon dots depends on EPS production. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 193, 111114.	5.0	13
57	In-biofilm generation of nitric oxide using a magnetically-targetable cascade-reaction container for eradication of infectious biofilms. <i>Bioactive Materials</i> , 2022, 14, 321-334.	15.6	13
58	Age-Related Changes of Periodontal Ligament Surface Areas during Force Application. <i>Angle Orthodontist</i> , 2008, 78, 1000-1005.	2.4	12
59	Recent advances and future challenges in the use of nanoparticles for the dispersal of infectious biofilms. <i>Journal of Materials Science and Technology</i> , 2021, 84, 208-218.	10.7	12
60	3D Method for Occlusal Tooth Wear Assessment in Presence of Substantial Changes on Other Tooth Surfaces. <i>Journal of Clinical Medicine</i> , 2020, 9, 3937.	2.4	11
61	Liposomes with Water as a pH-Responsive Functionality for Targeting of Acidic Tumor and Infection Sites. <i>Angewandte Chemie</i> , 2021, 133, 17855-17860.	2.0	10
62	Precision of orthodontic cephalometric measurements on ultra low dose-low dose CBCT reconstructed cephalograms. <i>Clinical Oral Investigations</i> , 2022, 26, 1543-1550.	3.0	10
63	Effect of duration of force application on blood vessels in young and adult rats. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2008, 133, 752-757.	1.7	9
64	Mini-implants for direct or indirect orthodontic anchorage. <i>Evidence-Based Dentistry</i> , 2009, 10, 113-113.	0.8	9
65	Soft tissue coverage on the segmentation accuracy of the 3D surface-rendered model from cone-beam CT. <i>Clinical Oral Investigations</i> , 2017, 21, 921-930.	3.0	9
66	Head positioning in a cone beam computed tomography unit and the effect on accuracy of the three-dimensional surface mode. <i>European Journal of Oral Sciences</i> , 2019, 127, 72-80.	1.5	9
67	Time relevance, citation of reporting guidelines, and breadth of literature search in systematic reviews in orthodontics. <i>European Journal of Orthodontics</i> , 2015, 37, 183-187.	2.4	8
68	Polarization of Macrophages, Cellular Adhesion, and Spreading on Bacterially Contaminated Gold Nanoparticle-Coatings <i>in Vitro</i> . <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 933-945.	5.2	8
69	Inheritance of physico-chemical properties and ROS generation by carbon quantum dots derived from pyrolytically carbonized bacterial sources. <i>Materials Today Bio</i> , 2021, 12, 100151.	5.5	8
70	Effect of voxel size in cone-beam computed tomography on surface area measurements of dehiscences and fenestrations in the lower anterior buccal region. <i>Clinical Oral Investigations</i> , 2022, , 1.	3.0	8
71	Tooth movement characteristics in relation to root resorption in young and adult rats. <i>European Journal of Oral Sciences</i> , 2007, 115, 449-453.	1.5	7
72	Influence of unilateral maxillary first molar extraction treatment on second and third molar inclination in Class II subdivision patients. <i>Angle Orthodontist</i> , 2016, 86, 94-100.	2.4	7

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73	Thermo-resistance of ESKAPE-panel pathogens, eradication and growth prevention of an infectious biofilm by photothermal, polydopamine-nanoparticles in vitro. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 32, 102324.	3.3	7
74	Class II Division 1 malocclusion treatment with extraction of maxillary first molars: Evaluation of treatment and post-treatment changes by the PAR Index. <i>Orthodontics and Craniofacial Research</i> , 2021, 24, 102-110.	2.8	6
75	Skeletal Changes in Growing Cleft Patients with Class III Malocclusion Treated with Bone Anchored Maxillary Protraction—A 3.5-Year Follow-Up. <i>Journal of Clinical Medicine</i> , 2021, 10, 750.	2.4	6
76	3D Occlusal Tooth Wear Assessment in Presence of Limited Changes in Non-Occlusal Surfaces. <i>Diagnostics</i> , 2021, 11, 1033.	2.6	6
77	Age-related changes of dental pulp tissue after experimental tooth movement in rats. <i>PeerJ</i> , 2016, 4, e1625.	2.0	6
78	Encapsulation of Photothermal Nanoparticles in Stealth and pH-Responsive Micelles for Eradication of Infectious Biofilms In Vitro and In Vivo. <i>Nanomaterials</i> , 2021, 11, 3180.	4.1	6
79	Self-targeting of zwitterion-based platforms for nano-antimicrobials and nanocarriers. <i>Journal of Materials Chemistry B</i> , 2022, 10, 2316-2322.	5.8	6
80	Does fixed retention prevent overeruption of unopposed mandibular second molars in maxillary first molar extraction cases?. <i>Progress in Orthodontics</i> , 2016, 17, 6.	3.5	4
81	Long-term evaluation of Class II subdivision treatment with unilateral maxillary first molar extraction. <i>Angle Orthodontist</i> , 2015, 85, 757-763.	2.4	3
82	Longitudinal 3D Study of Anterior Tooth Wear from Adolescence to Adulthood in Modern Humans. <i>Biology</i> , 2021, 10, 660.	2.8	3
83	Perspectives on and Need to Develop New Infection Control Strategies. , 2020, , 95-105.		3
84	Radiographic technique and brackets affect measurements of proximal enamel thickness on mandibular incisors. <i>European Journal of Orthodontics</i> , 2017, 39, 25-30.	2.4	2
85	Synergy between Probiotic-Carbon Quantum Dots and Ciprofloxacin in Eradicating Infectious Biofilms and Their Biosafety in Mice. <i>Pharmaceutics</i> , 2021, 13, 1809.	4.5	2
86	Class II division 1 malocclusion treatment with extraction of maxillary first permanent molars: cephalometric evaluation of treatment and post-treatment changes. <i>Australasian Orthodontic Journal</i> , 2021, 37, 294-310.	0.3	0
87	Driedimensionaal printen in de tandheelkunde. , 2016, , 19-34.		0
88	Practical limitations of cone-beam computed tomography in 3D cephalometry. <i>Shanghai Kou Qiang Yi Xue = Shanghai Journal of Stomatology</i> , 2011, 20, 662-8.	0.0	0