

# Yijin Ren

## 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.

84

papers

3,313

citations

31

h-index

56

g-index

91

ext. papers

4,087

ext. citations

6.1

avg, IF

5.55

L-index

#	Paper	IF	Citations
84	Nanotechnology-based antimicrobials and delivery systems for biofilm-infection control. <i>Chemical Society Reviews</i> , <b>2019</b> , 48, 428-446	58.5	262
83	Optimum force magnitude for orthodontic tooth movement: a systematic literature review. <i>Angle Orthodontist</i> , <b>2003</b> , 73, 86-92	2.6	224
82	Surface-Adaptive, Antimicrobially Loaded, Micellar Nanocarriers with Enhanced Penetration and Killing Efficiency in Staphylococcal Biofilms. <i>ACS Nano</i> , <b>2016</b> , 10, 4779-89	16.7	211
81	Accuracy and reproducibility of dental replica models reconstructed by different rapid prototyping techniques. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , <b>2014</b> , 145, 108-15	2.1	171
80	Viscoelasticity of biofilms and their recalcitrance to mechanical and chemical challenges. <i>FEMS Microbiology Reviews</i> , <b>2015</b> , 39, 234-45	15.1	165
79	The rat as a model for orthodontic tooth movement--a critical review and a proposed solution. <i>European Journal of Orthodontics</i> , <b>2004</b> , 26, 483-90	3.3	157
78	Application of intra-oral dental scanners in the digital workflow of implantology. <i>PLoS ONE</i> , <b>2012</b> , 7, e43312	3.7	145
77	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> , <b>2013</b> , 143, 140-7	2.1	116
76	Evaluation of anthropometric accuracy and reliability using different three-dimensional scanning systems. <i>Forensic Science International</i> , <b>2011</b> , 207, 127-34	2.6	112
75	Cytokines in crevicular fluid and orthodontic tooth movement. <i>European Journal of Oral Sciences</i> , <b>2008</b> , 116, 89-97	2.3	105
74	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> , <b>2010</b> , 137, 16.e1-6; discussion 16-7	2.1	97
73	Cytokine profiles in crevicular fluid during orthodontic tooth movement of short and long durations. <i>Journal of Periodontology</i> , <b>2007</b> , 78, 453-8	4.6	97
72	Eradication of Multidrug-Resistant Staphylococcal Infections by Light-Activatable Micellar Nanocarriers in a Murine Model. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1701974	15.6	87
71	Surgically facilitated orthodontic treatment: a systematic review. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , <b>2014</b> , 145, S51-64	2.1	85
70	3D-Printable Antimicrobial Composite Resins. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 6756-6767	15.6	83
69	Orthodontic treatment with fixed appliances and biofilm formation--a potential public health threat?. <i>Clinical Oral Investigations</i> , <b>2014</b> , 18, 1711-8	4.2	74
68	Editorial Summary and Q&A. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , <b>2010</b> , 137, 16-17	2.1	67

67	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> , <b>2016</b> , 150, 261-7	2.1	60
66	Applications of 3D printing on craniofacial bone repair: A systematic review. <i>Journal of Dentistry</i> , <b>2019</b> , 80, 1-14	4.8	58
65	Loss of surface enamel after bracket debonding: an in-vivo and ex-vivo evaluation. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , <b>2010</b> , 138, 387.e1-387.e9	2.1	55
64	Nanocarriers with conjugated antimicrobials to eradicate pathogenic biofilms evaluated in murine in vivo and human ex vivo infection models. <i>Acta Biomaterialia</i> , <b>2018</b> , 79, 331-343	10.8	52
63	Segmentation process significantly influences the accuracy of 3D surface models derived from cone beam computed tomography. <i>European Journal of Radiology</i> , <b>2012</b> , 81, e524-30	4.7	48
62	Comparison of methods to evaluate bacterial contact-killing materials. <i>Acta Biomaterialia</i> , <b>2017</b> , 59, 139-148	4.8	46
61	Autotransplantation of teeth with incomplete root formation: a systematic review and meta-analysis. <i>Clinical Oral Investigations</i> , <b>2018</b> , 22, 1613-1624	4.2	45
60	Immunohistochemical evaluation of osteoclast recruitment during experimental tooth movement in young and adult rats. <i>Archives of Oral Biology</i> , <b>2005</b> , 50, 1032-9	2.8	45
59	Oral bacterial adhesion forces to biomaterial surfaces constituting the bracket-adhesive-enamel junction in orthodontic treatment. <i>European Journal of Oral Sciences</i> , <b>2009</b> , 117, 419-26	2.3	43
58	Emergent heterogeneous microenvironments in biofilms: substratum surface heterogeneity and bacterial adhesion force-sensing. <i>FEMS Microbiology Reviews</i> , <b>2018</b> , 42, 259-272	15.1	41
57	Artificial Channels in an Infectious Biofilm Created by Magnetic Nanoparticles Enhanced Bacterial Killing by Antibiotics. <i>Small</i> , <b>2019</b> , 15, e1902313	11	41
56	Stress relaxation analysis facilitates a quantitative approach towards antimicrobial penetration into biofilms. <i>PLoS ONE</i> , <b>2013</b> , 8, e63750	3.7	39
55	The influence of the segmentation process on 3D measurements from cone beam computed tomography-derived surface models. <i>Clinical Oral Investigations</i> , <b>2013</b> , 17, 1919-27	4.2	37
54	Reliability and validity of measurements of facial swelling with a stereophotogrammetry optical three-dimensional scanner. <i>British Journal of Oral and Maxillofacial Surgery</i> , <b>2014</b> , 52, 922-7	1.4	32
53	Self-targeting, zwitterionic micellar dispersants enhance antibiotic killing of infectious biofilms-An intravital imaging study in mice. <i>Science Advances</i> , <b>2020</b> , 6, eabb1112	14.3	28
52	Surgically facilitated experimental movement of teeth: systematic review. <i>British Journal of Oral and Maxillofacial Surgery</i> , <b>2015</b> , 53, 491-506	1.4	21
51	Full-text publication of abstracts presented at European Orthodontic Society congresses. <i>European Journal of Orthodontics</i> , <b>2014</b> , 36, 569-75	3.3	21
50	Homogeneous Distribution of Magnetic, Antimicrobial-Carrying Nanoparticles through an Infectious Biofilm Enhances Biofilm-Killing Efficacy. <i>ACS Biomaterials Science and Engineering</i> , <b>2020</b> , 6, 205-212	5.5	18

49	Emergent Properties in Streptococcus mutans Biofilms Are Controlled through Adhesion Force Sensing by Initial Colonizers. <i>MBio</i> , <b>2019</b> , 10,	7.8	17
48	Assessing the standards of online oral hygiene instructions for patients with fixed orthodontic appliances. <i>Journal of the American Dental Association</i> , <b>2015</b> , 146, 310-7	1.9	17
47	Bacterial Density and Biofilm Structure Determined by Optical Coherence Tomography. <i>Scientific Reports</i> , <b>2019</b> , 9, 9794	4.9	17
46	Circumventing antimicrobial-resistance and preventing its development in novel, bacterial infection-control strategies. <i>Expert Opinion on Drug Delivery</i> , <b>2020</b> , 17, 1151-1164	8	15
45	In vivo biofilm formation on stainless steel bonded retainers during different oral health-care regimens. <i>International Journal of Oral Science</i> , <b>2015</b> , 7, 42-8	27.9	14
44	Applications and Perspectives of Cascade Reactions in Bacterial Infection Control. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 861	5	14
43	Antimicrobial penetration in a dual-species oral biofilm after noncontact brushing: an in vitro study. <i>Clinical Oral Investigations</i> , <b>2014</b> , 18, 1103-1109	4.2	13
42	Eradicating Infecting Bacteria while Maintaining Tissue Integration on Photothermal Nanoparticle-Coated Titanium Surfaces. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 34610-34619	9.5	12
41	Age-dependent external root resorption during tooth movement in rats. <i>Acta Odontologica Scandinavica</i> , <b>2008</b> , 66, 93-8	2.2	12
40	Synergy of brushing mode and antibacterial use on in vivo biofilm formation. <i>Journal of Dentistry</i> , <b>2015</b> , 43, 1580-6	4.8	11
39	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> , <b>2013</b> , 17, 1209-18	4.2	11
38	Contact-killing of adhering streptococci by a quaternary ammonium compound incorporated in an acrylic resin. <i>International Journal of Artificial Organs</i> , <b>2012</b> , 35, 854-63	1.9	11
37	Bone-anchored maxillary protraction in patients with unilateral complete cleft lip and palate and Class III malocclusion. <i>Clinical Oral Investigations</i> , <b>2019</b> , 23, 2429-2441	4.2	11
36	Liposomes with Water as a pH-Responsive Functionality for Targeting of Acidic Tumor and Infection Sites. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 17714-17719	16.4	11
35	Patients' perceptions, treatment need, and complexity of orthodontic re-treatment. <i>European Journal of Orthodontics</i> , <b>2009</b> , 31, 189-95	3.3	10
34	Age-related changes of periodontal ligament surface areas during force application. <i>Angle Orthodontist</i> , <b>2008</b> , 78, 1000-5	2.6	9
33	Effect of duration of force application on blood vessels in young and adult rats. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , <b>2008</b> , 133, 752-7	2.1	8
32	Influence of unilateral maxillary first molar extraction treatment on second and third molar inclination in Class II subdivision patients. <i>Angle Orthodontist</i> , <b>2016</b> , 86, 94-100	2.6	7

31	An accurate and efficient method for occlusal tooth wear assessment using 3D digital dental models. <i>Scientific Reports</i> , <b>2020</b> , 10, 10103	4.9	7
30	Mini-implants for direct or indirect orthodontic anchorage. <i>Evidence-Based Dentistry</i> , <b>2009</b> , 10, 113	1.3	7
29	Carbon Quantum Dots Derived from Different Carbon Sources for Antibacterial Applications. <i>Antibiotics</i> , <b>2021</b> , 10,	4.9	7
28	Possibilities and impossibilities of magnetic nanoparticle use in the control of infectious biofilms. <i>Journal of Materials Science and Technology</i> , <b>2021</b> , 69, 69-78	9.1	7
27	Time relevance, citation of reporting guidelines, and breadth of literature search in systematic reviews in orthodontics. <i>European Journal of Orthodontics</i> , <b>2015</b> , 37, 183-7	3.3	6
26	Tooth movement characteristics in relation to root resorption in young and adult rats. <i>European Journal of Oral Sciences</i> , <b>2007</b> , 115, 449-53	2.3	6
25	Water in bacterial biofilms: pores and channels, storage and transport functions. <i>Critical Reviews in Microbiology</i> , <b>2021</b> , 1-20	7.8	6
24	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> , <b>2020</b> , 193, 111114	6	5
23	Age-related changes of dental pulp tissue after experimental tooth movement in rats. <i>PeerJ</i> , <b>2016</b> , 4, e1625	3.1	5
22	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> , <b>2021</b> , 32, 102324	6	5
21	Influence of interaction between surface-modified magnetic nanoparticles with infectious biofilm components in artificial channel digging and biofilm eradication by antibiotics and. <i>Nanoscale</i> , <b>2021</b> , 13, 4644-4653	7.7	5
20	Soft tissue coverage on the segmentation accuracy of the 3D surface-rendered model from cone-beam CT. <i>Clinical Oral Investigations</i> , <b>2017</b> , 21, 921-930	4.2	3
19	Long-term evaluation of Class II subdivision treatment with unilateral maxillary first molar extraction. <i>Angle Orthodontist</i> , <b>2015</b> , 85, 757-63	2.6	3
18	Polarization of Macrophages, Cellular Adhesion, and Spreading on Bacterially Contaminated Gold Nanoparticle-Coatings. <i>ACS Biomaterials Science and Engineering</i> , <b>2020</b> , 6, 933-945	5.5	3
17	In-biofilm generation of nitric oxide using a magnetically-targetable cascade-reaction container for eradication of infectious biofilms.. <i>Bioactive Materials</i> , <b>2022</b> , 14, 321-334	16.7	3
16	Inheritance of physico-chemical properties and ROS generation by carbon quantum dots derived from pyrolytically carbonized bacterial sources. <i>Materials Today Bio</i> , <b>2021</b> , 12, 100151	9.9	3
15	Perspectives on and Need to Develop New Infection Control Strategies <b>2020</b> , 95-105		3
14	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> , <b>2021</b> , 24, 102-110	3	3

13	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> , <b>2021</b> , 10,	5.1	3
12	Radiographic technique and brackets affect measurements of proximal enamel thickness on mandibular incisors. <i>European Journal of Orthodontics</i> , <b>2017</b> , 39, 25-30	3.3	2
11	Does fixed retention prevent overeruption of unopposed mandibular second molars in maxillary first molar extraction cases?. <i>Progress in Orthodontics</i> , <b>2016</b> , 17, 6	3.4	2
10	Encapsulation of Photothermal Nanoparticles in Stealth and pH-Responsive Micelles for Eradication of Infectious Biofilms In Vitro and In Vivo.. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	2
9	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> , <b>2019</b> , 127, 72-80	2.3	2
8	Liposomes with Water as a pH-Responsive Functionality for Targeting of Acidic Tumor and Infection Sites. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 17855-17860	3.6	2
7	Precision of orthodontic cephalometric measurements on ultra low dose-low dose CBCT reconstructed cephalograms. <i>Clinical Oral Investigations</i> , <b>2021</b> , 1	4.2	1
6	Recent advances and future challenges in the use of nanoparticles for the dispersal of infectious biofilms. <i>Journal of Materials Science and Technology</i> , <b>2021</b> , 84, 208-218	9.1	0
5	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> , <b>2022</b> , 1	4.2	0
4	Chirurgisch unterstützte kieferorthopädische Behandlung: eine systematische Übersicht. <i>Informationen Aus Orthodontie Und Kieferorthopädie: Mit Beiträgen Aus Der Internationalen Literatur</i> , <b>2015</b> , 47, 93-104	0	
3	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> , <b>2021</b> , 37, 294-310		
2	Driedimensionaal printen in de tandheelkunde <b>2016</b> , 19-34		
1	Practical limitations of cone-beam computed tomography in 3D cephalometry. <i>Shanghai Kou Qiang Yi Xue = Shanghai Journal of Stomatology</i> , <b>2011</b> , 20, 662-8	0.1	