Yijin Ren

List of Publications by Year
in descending order

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88	4,913	117625	95266
papers	citations	34 h-index	68 g-index

91	91	91	5730
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Water in bacterial biofilms: pores and channels, storage and transport functions. Critical Reviews in Microbiology, 2022, 48, 283-302.	6.1	38
2	Precision of orthodontic cephalometric measurements on ultra low dose-low dose CBCT reconstructed cephalograms. Clinical Oral Investigations, 2022, 26, 1543-1550.	3.0	10
3	Self-targeting of zwitterion-based platforms for nano-antimicrobials and nanocarriers. Journal of Materials Chemistry B, 2022, 10, 2316-2322.	5.8	6
4	In-biofilm generation of nitric oxide using a magnetically-targetable cascade-reaction container for eradication of infectious biofilms. Bioactive Materials, 2022, 14, 321-334.	15.6	13
5	Effect of voxel size in cone-beam computed tomography on surface area measurements of dehiscences and fenestrations in the lower anterior buccal region. Clinical Oral Investigations, 2022, , 1.	3.0	8
6	Possibilities and impossibilities of magnetic nanoparticle use in the control of infectious biofilms. Journal of Materials Science and Technology, 2021, 69, 69-78.	10.7	19
7	Class II Division 1 malocclusion treatment with extraction of maxillary first molars: Evaluation of treatment and postâ€treatment changes by the PAR Index. Orthodontics and Craniofacial Research, 2021, 24, 102-110.	2.8	6
8	Thermo-resistance of ESKAPE-panel pathogens, eradication and growth prevention of an infectious biofilm by photothermal, polydopamine-nanoparticles in vitro. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 32, 102324.	3.3	7
9	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. Nanoscale, 2021, 13, 4644-4653.	5.6	16
10	Skeletal Changes in Growing Cleft Patients with Class III Malocclusion Treated with Bone Anchored Maxillary Protractionâ€”A 3.5-Year Follow-Up. Journal of Clinical Medicine, 2021, 10, 750.	2.4	6
11	Carbon Quantum Dots Derived from Different Carbon Sources for Antibacterial Applications. Antibiotics, 2021, 10, 623.	3.7	48
12	3D Occlusal Tooth Wear Assessment in Presence of Limited Changes in Non-Occlusal Surfaces. Diagnostics, 2021, 11, 1033.	2.6	6
13	Longitudinal 3D Study of Anterior Tooth Wear from Adolescence to Adulthood in Modern Humans. Biology, 2021, 10, 660.	2.8	3
14	Liposomes with Water as a pHâ€Responsive Functionality for Targeting of Acidic Tumor and Infection Sites. Angewandte Chemie, 2021, 133, 17855-17860.	2.0	10
15	Liposomes with Water as a pHâ€Responsive Functionality for Targeting of Acidic Tumor and Infection Sites. Angewandte Chemie - International Edition, 2021, 60, 17714-17719.	13.8	26
16	Recent advances and future challenges in the use of nanoparticles for the dispersal of infectious biofilms. Journal of Materials Science and Technology, 2021, 84, 208-218.	10.7	12
17	Class II division 1 malocclusion treatment with extraction of maxillary first permanent molars: cephalometric evaluation of treatment and post-treatment changes. Australasian Orthodontic Journal, 2021, 37, 294-310.	0.3	0
18	Inheritance of physico-chemical properties and ROS generation by carbon quantum dots derived from pyrolytically carbonized bacterial sources. Materials Today Bio, 2021, 12, 100151.	5.5	8

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19	Synergy between â€œProbioticâ€•Carbon Quantum Dots and Ciprofloxacin in Eradicating Infectious Biofilms and Their Biosafety in Mice. Pharmaceutics, 2021, 13, 1809.	4.5	2
20	Encapsulation of Photothermal Nanoparticles in Stealth and pH-Responsive Micelles for Eradication of Infectious Biofilms In Vitro and In Vivo. Nanomaterials, 2021, 11, 3180.	4.1	6
21	Homogeneous Distribution of Magnetic, Antimicrobial-Carrying Nanoparticles through an Infectious Biofilm Enhances Biofilm-Killing Efficacy. ACS Biomaterials Science and Engineering, 2020, 6, 205-212.	5.2	31
22	Self-targeting, zwitterionic micellar dispersants enhance antibiotic killing of infectious biofilmsâ€”An intravital imaging study in mice. Science Advances, 2020, 6, eabb1112.	10.3	73
23	3D Method for Occlusal Tooth Wear Assessment in Presence of Substantial Changes on Other Tooth Surfaces. Journal of Clinical Medicine, 2020, 9, 3937.	2.4	11
24	Enhanced bacterial killing by vancomycin in staphylococcal biofilms disrupted by novel, DMMA-modified carbon dots depends on EPS production. Colloids and Surfaces B: Biointerfaces, 2020, 193, 111114.	5.0	13
25	Circumventing antimicrobial-resistance and preventing its development in novel, bacterial infection-control strategies. Expert Opinion on Drug Delivery, 2020, 17, 1151-1164.	5.0	34
26	An accurate and efficient method for occlusal tooth wear assessment using 3D digital dental models. Scientific Reports, 2020, 10, 10103.	3.3	22
27	Eradicating Infecting Bacteria while Maintaining Tissue Integration on Photothermal Nanoparticle-Coated Titanium Surfaces. ACS Applied Materials & Interfaces, 2020, 12, 34610-34619.	8.0	22
28	Polarization of Macrophages, Cellular Adhesion, and Spreading on Bacterially Contaminated Gold Nanoparticle-Coatings in Vitro. ACS Biomaterials Science and Engineering, 2020, 6, 933-945.	5.2	8
29	Perspectives on and Need to Develop New Infection Control Strategies. , 2020, , 95-105.		3
30	Artificial Channels in an Infectious Biofilm Created by Magnetic Nanoparticles Enhanced Bacterial Killing by Antibiotics. Small, 2019, 15, e1902313.	10.0	70
31	Bacterial Density and Biofilm Structure Determined by Optical Coherence Tomography. Scientific Reports, 2019, 9, 9794.	3.3	43
32	Emergent Properties in Streptococcus mutans Biofilms Are Controlled through Adhesion Force Sensing by Initial Colonizers. MBio, 2019, 10, .	4.1	35
33	Nanotechnology-based antimicrobials and delivery systems for biofilm-infection control. Chemical Society Reviews, 2019, 48, 428-446.	38.1	464
34	Applications of 3D printing on craniofacial bone repair: A systematic review. Journal of Dentistry, 2019, 80, 1-14.	4.1	103
35	Head positioning in a cone beam computed tomography unit and the effect on accuracy of the threeâ€dimensional surface mode. European Journal of Oral Sciences, 2019, 127, 72-80.	1.5	9
36	Bone-anchored maxillary protraction in patients with unilateral complete cleft lip and palate and Class III malocclusion. Clinical Oral Investigations, 2019, 23, 2429-2441.	3.0	21

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37	Applications and Perspectives of Cascade Reactions in Bacterial Infection Control. Frontiers in Chemistry, 2019, 7, 861.	3.6	16
38	Emergent heterogeneous microenvironments in biofilms: substratum surface heterogeneity and bacterial adhesion force-sensing. FEMS Microbiology Reviews, 2018, 42, 259-272.	8.6	66
39	Autotransplantation of teeth with incomplete root formation: a systematic review and meta-analysis. Clinical Oral Investigations, 2018, 22, 1613-1624.	3.0	83
40	Nanocarriers with conjugated antimicrobials to eradicate pathogenic biofilms evaluated in murine in vivo and human ex vivo infection models. Acta Biomaterialia, 2018, 79, 331-343.	8.3	82
41	Radiographic technique and brackets affect measurements of proximal enamel thickness on mandibular incisors. European Journal of Orthodontics, 2017, 39, 25-30.	2.4	2
42	Soft tissue coverage on the segmentation accuracy of the 3D surface-rendered model from cone-beam CT. Clinical Oral Investigations, 2017, 21, 921-930.	3.0	9
43	Eradication of Multidrugâ€Resistant Staphylococcal Infections by Lightâ€Activatable Micellar Nanocarriers in a Murine Model. Advanced Functional Materials, 2017, 27, 1701974.	14.9	111
44	Comparison of methods to evaluate bacterial contact-killing materials. Acta Biomaterialia, 2017, 59, 139-147.	8.3	67
45	Treatment comfort, time perception, and preference for conventional and digital impression techniques: A comparative study in young patients. American Journal of Orthodontics and Dentofacial Orthopedics, 2016, 150, 261-267.	1.7	93
46	Does fixed retention prevent overeruption of unopposed mandibular second molars in maxillary first molar extraction cases?. Progress in Orthodontics, 2016, 17, 6.	3.5	4
47	Surface-Adaptive, Antimicrobially Loaded, Micellar Nanocarriers with Enhanced Penetration and Killing Efficiency in Staphylococcal Biofilms. ACS Nano, 2016, 10, 4779-4789.	14.6	293
48	Influence of unilateral maxillary first molar extraction treatment on second and third molar inclination in Class II subdivision patients. Angle Orthodontist, 2016, 86, 94-100.	2.4	7
49	Age-related changes of dental pulp tissue after experimental tooth movement in rats. PeerJ, 2016, 4, e1625.	2.0	6
50	Driedimensionaal printen in de tandheelkunde. , 2016, , 19-34.		0
51	3Dâ€Printable Antimicrobial Composite Resins. Advanced Functional Materials, 2015, 25, 6756-6767.	14.9	105
52	Surgically facilitated experimental movement of teeth: systematic review. British Journal of Oral and Maxillofacial Surgery, 2015, 53, 491-506.	0.8	26
53	Assessing the standards of online oral hygiene instructions for patients with fixed orthodontic appliances. Journal of the American Dental Association, 2015, 146, 310-317.	1.5	22
54	Viscoelasticity of biofilms and their recalcitrance to mechanical and chemical challenges. FEMS Microbiology Reviews, 2015, 39, 234-245.	8.6	237

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55	Time relevance, citation of reporting guidelines, and breadth of literature search in systematic reviews in orthodontics. European Journal of Orthodontics, 2015, 37, 183-187.	2.4	8
56	In vivo biofilm formation on stainless steel bonded retainers during different oral health-care regimens. International Journal of Oral Science, 2015, 7, 42-48.	8.6	18
57	Synergy of brushing mode and antibacterial use on in vivo biofilm formation. Journal of Dentistry, 2015, 43, 1580-1586.	4.1	19
58	Long-term evaluation of Class II subdivision treatment with unilateral maxillary first molar extraction. Angle Orthodontist, 2015, 85, 757-763.	2.4	3
59	Antimicrobial penetration in a dual-species oral biofilm after noncontact brushing: an in vitro study. Clinical Oral Investigations, 2014, 18, 1103-1109.	3.0	15
60	Full-text publication of abstracts presented at European Orthodontic Society congresses. European Journal of Orthodontics, 2014, 36, 569-575.	2.4	26
61	Accuracy and reproducibility of dental replica models reconstructed by different rapid prototyping techniques. American Journal of Orthodontics and Dentofacial Orthopedics, 2014, 145, 108-115.	1.7	251
62	Reliability and validity of measurements of facial swelling with a stereophotogrammetry optical three-dimensional scanner. British Journal of Oral and Maxillofacial Surgery, 2014, 52, 922-927.	0.8	43
63	Orthodontic treatment with fixed appliances and biofilm formationâ€"a potential public health threat?. Clinical Oral Investigations, 2014, 18, 1711-1718.	3.0	117
64	Surgically facilitated orthodontic treatment: A systematic review. American Journal of Orthodontics and Dentofacial Orthopedics, 2014, 145, S51-S64.	1.7	110
65	The influence of the segmentation process on 3D measurements from cone beam computed tomography-derived surface models. Clinical Oral Investigations, 2013, 17, 1919-1927.	3.0	48
66	Biofilm formation on stainless steel and gold wires for bonded retainers in vitro and in vivo and their susceptibility to oral antimicrobials. Clinical Oral Investigations, 2013, 17, 1209-1218.	3.0	16
67	Validity, reliability, and reproducibility of linear measurements on digital models obtained from intraoral and cone-beam computed tomography scans of alginate impressions. American Journal of Orthodontics and Dentofacial Orthopedics, 2013, 143, 140-147.	1.7	157
68	Stress Relaxation Analysis Facilitates a Quantitative Approach towards Antimicrobial Penetration into Biofilms. PLoS ONE, 2013, 8, e63750.	2.5	42
69	Segmentation process significantly influences the accuracy of 3D surface models derived from cone beam computed tomography. European Journal of Radiology, 2012, 81, e524-e530.	2.6	64
70	Application of Intra-Oral Dental Scanners in the Digital Workflow of Implantology. PLoS ONE, 2012, 7, e43312.	2.5	175
71	Contact-Killing of Adhering Streptococci by a Quaternary Ammonium Compound Incorporated in an Acrylic Resin. International Journal of Artificial Organs, 2012, 35, 854-863.	1.4	18
72	Evaluation of anthropometric accuracy and reliability using different three-dimensional scanning systems. Forensic Science International, 2011, 207, 127-134.	2.2	163

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73	Practical limitations of cone-beam computed tomography in 3D cephalometry. Shanghai Kou Qiang Yi Xue = Shanghai Journal of Stomatology, 2011, 20, 662-8.	0.0	0
74	Accuracy of linear measurements from cone-beam computed tomography-derived surface models of different voxel sizes. American Journal of Orthodontics and Dentofacial Orthopedics, 2010, 137, 16.e1-16.e6.	1.7	128
75	Editor's Summary and Q&A. American Journal of Orthodontics and Dentofacial Orthopedics, 2010, 137, 16-17.	1.7	78
76	Loss of surface enamel after bracket debonding: An in-vivo and ex-vivo evaluation. American Journal of Orthodontics and Dentofacial Orthopedics, 2010, 138, 387.e1-387.e9.	1.7	80
77	Oral bacterial adhesion forces to biomaterial surfaces constituting the bracketâ€“adhesiveâ€“enamel junction in orthodontic treatment. European Journal of Oral Sciences, 2009, 117, 419-426.	1.5	50
78	Patients' perceptions, treatment need, and complexity of orthodontic re-treatment. European Journal of Orthodontics, 2009, 31, 189-195.	2.4	16
79	Mini-implants for direct or indirect orthodontic anchorage. Evidence-Based Dentistry, 2009, 10, 113-113.	0.8	9
80	Effect of duration of force application on blood vessels in young and adult rats. American Journal of Orthodontics and Dentofacial Orthopedics, 2008, 133, 752-757.	1.7	9
81	Cytokines in crevicular fluid and orthodontic tooth movement. European Journal of Oral Sciences, 2008, 116, 89-97.	1.5	124
82	Age-dependent external root resorption during tooth movement in rats. Acta Odontologica Scandinavica, 2008, 66, 93-98.	1.6	16
83	Age-Related Changes of Periodontal Ligament Surface Areas during Force Application. Angle Orthodontist, 2008, 78, 1000-1005.	2.4	12
84	Cytokine Profiles in Crevicular Fluid During Orthodontic Tooth Movement of Short and Long Durations. Journal of Periodontology, 2007, 78, 453-458.	3.4	115
85	Tooth movement characteristics in relation to root resorption in young and adult rats. European Journal of Oral Sciences, 2007, 115, 449-453.	1.5	7
86	Immunohistochemical evaluation of osteoclast recruitment during experimental tooth movement in young and adult rats. Archives of Oral Biology, 2005, 50, 1032-1039.	1.8	56
87	The rat as a model for orthodontic tooth movement--a critical review and a proposed solution. European Journal of Orthodontics, 2004, 26, 483-490.	2.4	190
88	Optimum force magnitude for orthodontic tooth movement: a systematic literature review. Angle Orthodontist, 2003, 73, 86-92.	2.4	284