

# Lei Cheng

## List of Publications by Year in descending order

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142  
papers

7,977  
citations

44069

48  
h-index

58581

82  
g-index

144  
all docs

144  
docs citations

144  
times ranked

9112  
citing authors

#	ARTICLE	IF	CITATIONS
1	The origin of high electrolyte-electrode interfacial resistances in lithium cells containing garnet type solid electrolytes. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 18294-18300.	2.8	431
2	Synchrotron X-ray Analytical Techniques for Studying Materials Electrochemistry in Rechargeable Batteries. <i>Chemical Reviews</i> , 2017, 117, 13123-13186.	47.7	390
3	Effect of Surface Microstructure on Electrochemical Performance of Garnet Solid Electrolytes. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 2073-2081.	8.0	347
4	Oral cavity contains distinct niches with dynamic microbial communities. <i>Environmental Microbiology</i> , 2015, 17, 699-710.	3.8	271
5	Structural and Electrochemical Consequences of Al and Ga Cosubstitution in $\text{Li}_{0.7}\text{La}_{0.3}\text{Zr}_{0.2}\text{O}_{12}$ Solid Electrolytes. <i>Chemistry of Materials</i> , 2016, 28, 2384-2392.	6.7	258
6	Interrelationships among Grain Size, Surface Composition, Air Stability, and Interfacial Resistance of Al-Substituted $\text{Li}_{0.7}\text{La}_{0.3}\text{Zr}_{0.2}\text{O}_{12}$ Solid Electrolytes. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 17649-17655.	8.0	220
7	Metal segregation in hierarchically structured cathode materials for high-energy lithium batteries. <i>Nature Energy</i> , 2016, 1, .	39.5	209
8	Advanced smart biomaterials and constructs for hard tissue engineering and regeneration. <i>Bone Research</i> , 2018, 6, 31.	11.4	206
9	The microbial coinfection in COVID-19. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 7777-7785.	3.6	206
10	Novel dental adhesives containing nanoparticles of silver and amorphous calcium phosphate. <i>Dental Materials</i> , 2013, 29, 199-210.	3.5	192
11	Effect of microstructure and surface impurity segregation on the electrical and electrochemical properties of dense Al-substituted $\text{Li}_{0.7}\text{La}_{0.3}\text{Zr}_{0.2}\text{O}_{12}$ . <i>Journal of Materials Chemistry A</i> , 2014, 2, 172-181.	10.3	170
12	Effect of quaternary ammonium and silver nanoparticle-containing adhesives on dentin bond strength and dental plaque microcosm biofilms. <i>Dental Materials</i> , 2012, 28, 842-852.	3.5	142
13	Effects of dual antibacterial agents MDPB and nano-silver in primer on microcosm biofilm, cytotoxicity and dentine bond properties. <i>Journal of Dentistry</i> , 2013, 41, 464-474.	4.1	138
14	Dental primer and adhesive containing a new antibacterial quaternary ammonium monomer dimethylaminododecyl methacrylate. <i>Journal of Dentistry</i> , 2013, 41, 345-355.	4.1	138
15	Novel dental adhesive containing antibacterial agents and calcium phosphate nanoparticles. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2013, 101B, 620-629.	3.4	127
16	Molecule Targeting Glucosyltransferase Inhibits <i>Streptococcus mutans</i> Biofilm Formation and Virulence. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 126-135.	3.2	117
17	Programmed cell removal by calreticulin in tissue homeostasis and cancer. <i>Nature Communications</i> , 2018, 9, 3194.	12.8	114
18	Influence of Dental Prosthesis and Restorative Materials Interface on Oral Biofilms. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3157.	4.1	108

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19	Antibacterial activity and ion release of bonding agent containing amorphous calcium phosphate nanoparticles. <i>Dental Materials</i> , 2014, 30, 891-901.	3.5	106
20	Effects of antibacterial primers with quaternary ammonium and nano-silver on <i>Streptococcus mutans</i> impregnated in human dentin blocks. <i>Dental Materials</i> , 2013, 29, 462-472.	3.5	99
21	Synthesis, Crystal Chemistry, and Electrochemical Properties of $\text{Li}_{0.7}\text{La}_3\text{Zr}_2\text{MoO}_{12}$ ( $x = 0.1 \sim 0.4$ ): Stabilization of the Cubic Garnet Polymorph via Substitution of $\text{Zr}^{4+}$ by $\text{Mo}^{6+}$ . <i>Inorganic Chemistry</i> , 2015, 54, 10440-10449.	4.0	95
22	Effect of arginine on the growth and biofilm formation of oral bacteria. <i>Archives of Oral Biology</i> , 2017, 82, 256-262.	1.8	90
23	Interface Instability of Fe-Stabilized $\text{Li}_7\text{La}_3\text{Zr}_2\text{O}_{12}$ versus Li Metal. <i>Journal of Physical Chemistry C</i> , 2018, 122, 3780-3785.	3.1	83
24	Garnet Electrolyte Surface Degradation and Recovery. <i>ACS Applied Energy Materials</i> , 2018, 1, 7244-7252.	5.1	81
25	Development and status of resin composite as dental restorative materials. <i>Journal of Applied Polymer Science</i> , 2019, 136, 48180.	2.6	81
26	Dual antibacterial agents of nano-silver and 12-methacryloyloxydodecylpyridinium bromide in dental adhesive to inhibit caries. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2013, 101B, 929-938.	3.4	80
27	One-year water-ageing of calcium phosphate composite containing nano-silver and quaternary ammonium to inhibit biofilms. <i>International Journal of Oral Science</i> , 2016, 8, 172-181.	8.6	76
28	Selection of cathode contact materials for solid oxide fuel cells. <i>Journal of Power Sources</i> , 2011, 196, 8313-8322.	7.8	75
29	Effects of quaternary ammonium chain length on the antibacterial and remineralizing effects of a calcium phosphate nanocomposite. <i>International Journal of Oral Science</i> , 2016, 8, 45-53.	8.6	75
30	Three-dimensional elemental imaging of Li-ion solid-state electrolytes using fs-laser induced breakdown spectroscopy (LIBS). <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 2295-2302.	3.0	73
31	Modifying Adhesive Materials to Improve the Longevity of Resinous Restorations. <i>International Journal of Molecular Sciences</i> , 2019, 20, 723.	4.1	73
32	Regulation of oxidative response and extracellular polysaccharide synthesis by a diadenylate cyclase in <i>Streptococcus mutans</i> . <i>Environmental Microbiology</i> , 2016, 18, 904-922.	3.8	72
33	Expert consensus on dental caries management. <i>International Journal of Oral Science</i> , 2022, 14, 17.	8.6	71
34	Oral bacteria colonize and compete with gut microbiota in gnotobiotic mice. <i>International Journal of Oral Science</i> , 2019, 11, 10.	8.6	69
35	Oriented porous LLZO 3D structures obtained by freeze casting for battery applications. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20861-20870.	10.3	65
36	Novel rechargeable calcium phosphate nanocomposite with antibacterial activity to suppress biofilm acids and dental caries. <i>Journal of Dentistry</i> , 2018, 72, 44-52.	4.1	64

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37	Biom mineralization of dentin. <i>Journal of Structural Biology</i> , 2019, 207, 115-122.	2.8	64
38	Oral Microbiota Distinguishes Acute Lymphoblastic Leukemia Pediatric Hosts from Healthy Populations. <i>PLoS ONE</i> , 2014, 9, e102116.	2.5	61
39	Effects of crystallinity and impurities on the electrical conductivity of Li <sup>+</sup> -La <sup>3+</sup> -Zr <sup>4+</sup> -O thin films. <i>Thin Solid Films</i> , 2015, 576, 55-60.	1.8	61
40	A Novel Nanosilver/Nanosilica Hydrogel for Bone Regeneration in Infected Bone Defects. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 13242-13250.	8.0	59
41	Antibacterial Effect of Dental Adhesive Containing Dimethylaminododecyl Methacrylate on the Development of <i>Streptococcus mutans</i> Biofilm. <i>International Journal of Molecular Sciences</i> , 2014, 15, 12791-12806.	4.1	58
42	Effect of anti-biofilm glass-ionomer cement on <i>Streptococcus mutans</i> biofilms. <i>International Journal of Oral Science</i> , 2016, 8, 76-83.	8.6	58
43	Do quaternary ammonium monomers induce drug resistance in cariogenic, endodontic and periodontal bacterial species?. <i>Dental Materials</i> , 2017, 33, 1127-1138.	3.5	58
44	Novel dental composite with capability to suppress cariogenic species and promote non-cariogenic species in oral biofilms. <i>Materials Science and Engineering C</i> , 2019, 94, 587-596.	7.3	54
45	Application of Antibiotics/Antimicrobial Agents on Dental Caries. <i>BioMed Research International</i> , 2020, 2020, 1-11.	1.9	54
46	A novel protein-repellent dental composite containing 2-methacryloyloxyethyl phosphorylcholine. <i>International Journal of Oral Science</i> , 2015, 7, 103-109.	8.6	53
47	Dental remineralization via poly(amido amine) and restorative materials containing calcium phosphate nanoparticles. <i>International Journal of Oral Science</i> , 2019, 11, 15.	8.6	52
48	The Use of Quaternary Ammonium to Combat Dental Caries. <i>Materials</i> , 2015, 8, 3532-3549.	2.9	50
49	Esthetic comparison of white-spot lesion treatment modalities using spectrometry and fluorescence. <i>Angle Orthodontist</i> , 2014, 84, 343-349.	2.4	46
50	Ecological Effect of Arginine on Oral Microbiota. <i>Scientific Reports</i> , 2017, 7, 7206.	3.3	46
51	Natural Products and Caries Prevention. <i>Caries Research</i> , 2015, 49, 38-45.	2.0	45
52	Remineralization of Demineralized Dentin Induced by Amine-Terminated PAMAM Dendrimer. <i>Macromolecular Materials and Engineering</i> , 2015, 300, 107-117.	3.6	44
53	Investigating the Intercalation Chemistry of Alkali Ions in Fluoride Perovskites. <i>Chemistry of Materials</i> , 2017, 29, 1561-1568.	6.7	44
54	Targeting tumor-associated macrophages in head and neck squamous cell carcinoma. <i>Oral Oncology</i> , 2020, 106, 104723.	1.5	41

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55	Anti-Caries Effects of Dental Adhesives Containing Quaternary Ammonium Methacrylates with Different Chain Lengths. <i>Materials</i> , 2017, 10, 643.	2.9	40
56	The anti-caries effects of dental adhesive resin influenced by the position of functional groups in quaternary ammonium monomers. <i>Dental Materials</i> , 2018, 34, 400-411.	3.5	40
57	ANGPTL4-Mediated Promotion of Glycolysis Facilitates the Colonization of <i>Fusobacterium nucleatum</i> in Colorectal Cancer. <i>Cancer Research</i> , 2021, 81, 6157-6170.	0.9	40
58	8DSS-promoted remineralization of demineralized dentin in vitro. <i>Journal of Materials Chemistry B</i> , 2015, 3, 6763-6772.	5.8	39
59	<i>Porphyromonas gingivalis</i> Promotes Immune evasion of Oral Cancer by Protecting Cancer from Macrophage Attack. <i>Journal of Immunology</i> , 2020, 205, 282-289.	0.8	38
60	Coexistence and competition of sulfate-reducing and methanogenic populations in an anaerobic hexadecane-degrading culture. <i>Biotechnology for Biofuels</i> , 2017, 10, 207.	6.2	36
61	Stimuli-responsive drug delivery systems for head and neck cancer therapy. <i>Drug Delivery</i> , 2021, 28, 272-284.	5.7	36
62	Effect of Antimicrobial Denture Base Resin on Multi-Species Biofilm Formation. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1033.	4.1	35
63	Lovastatin synergizes with itraconazole against planktonic cells and biofilms of <i>Candida albicans</i> through the regulation on ergosterol biosynthesis pathway. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 5255-5264.	3.6	35
64	ERG3 and ERG11 genes are critical for the pathogenesis of <i>Candida albicans</i> during the oral mucosal infection. <i>International Journal of Oral Science</i> , 2018, 10, 9.	8.6	34
65	Effects of water and microbial-based aging on the performance of three dental restorative materials. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 80, 42-50.	3.1	33
66	Solid-state electrolyte considerations for electric vehicle batteries. <i>Sustainable Energy and Fuels</i> , 2019, 3, 1647-1659.	4.9	32
67	Novel Dental Adhesive with Biofilm-Regulating and Remineralization Capabilities. <i>Materials</i> , 2017, 10, 26.	2.9	31
68	Drug resistance of oral bacteria to new antibacterial dental monomer dimethylaminohexadecyl methacrylate. <i>Scientific Reports</i> , 2018, 8, 5509.	3.3	31
69	Artemisinin elevates ergosterol levels of <i>Candida albicans</i> to synergise with amphotericin B against oral candidiasis. <i>International Journal of Antimicrobial Agents</i> , 2021, 58, 106394.	2.5	31
70	Effective dentinal tubule occlusion induced by polyhydroxy-terminated PAMAM dendrimer in vitro. <i>RSC Advances</i> , 2014, 4, 43496-43503.	3.6	30
71	Characterization of the clustered regularly interspaced short palindromic repeats sites in <i>Streptococcus mutans</i> isolated from early childhood caries patients. <i>Archives of Oral Biology</i> , 2017, 83, 174-180.	1.8	30
72	Long-term dentin remineralization by poly(amido amine) and rechargeable calcium phosphate nanocomposite after fluid challenges. <i>Dental Materials</i> , 2018, 34, 607-618.	3.5	30

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73	Poly (amido amine) dendrimer and dental adhesive with calcium phosphate nanoparticles remineralized dentin in lactic acid. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018, 106, 2414-2424.	3.4	30
74	Advances of Anti-Caries Nanomaterials. <i>Molecules</i> , 2020, 25, 5047.	3.8	30
75	Effect of pH on <i>Galla chinensis</i> extract's stability and anti-caries properties in vitro. <i>Archives of Oral Biology</i> , 2012, 57, 1093-1099.	1.8	29
76	Glass-containing composite cathode contact materials for solid oxide fuel cells. <i>Journal of Power Sources</i> , 2011, 196, 8435-8443.	7.8	28
77	Quaternary Ammonium Salt-Based Cross-Linked Micelles to Combat Biofilm. <i>Bioconjugate Chemistry</i> , 2019, 30, 541-546.	3.6	28
78	Formation of persisters in <i>Streptococcus mutans</i> biofilms induced by antibacterial dental monomer. <i>Journal of Materials Science: Materials in Medicine</i> , 2017, 28, 178.	3.6	27
79	Novel Bioactive and Therapeutic Root Canal Sealers with Antibacterial and Remineralization Properties. <i>Materials</i> , 2020, 13, 1096.	2.9	27
80	<i>Zhaonella formicivorans</i> gen. nov., sp. nov., an anaerobic formate-utilizing bacterium isolated from Shengli oilfield, and proposal of four novel families and Moorellales ord. nov. in the phylum Firmicutes. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 3361-3373.	1.7	27
81	Nicotine is a risk factor for dental caries: AnÂinÂvivo study. <i>Journal of Dental Sciences</i> , 2018, 13, 30-36.	2.5	26
82	Role of Oral Bacteria in the Development of Oral Squamous Cell Carcinoma. <i>Cancers</i> , 2020, 12, 2797.	3.7	26
83	Smoking May Lead to Marginal Bone Loss Around Nonâ€Submerged Implants During Bone Healing by Altering Salivary Microbiome: A Prospective Study. <i>Journal of Periodontology</i> , 2017, 88, 1297-1308.	3.4	25
84	Evaluation of Novel Anticaries Adhesive in a Secondary Caries Animal Model. <i>Caries Research</i> , 2018, 52, 14-21.	2.0	25
85	Probing Heterogeneous Degradation of Catalyst in PEM Fuel Cells under Realistic Automotive Conditions with Multiâ€Modal Techniques. <i>Advanced Energy Materials</i> , 2021, 11, 2101794.	19.5	25
86	Effect of lithium borate addition on the physical and electrochemical properties of the lithium ion conductor Li <sub>3</sub> 4Si <sub>0.4</sub> P <sub>0.6</sub> O <sub>4</sub> . <i>Solid State Ionics</i> , 2013, 231, 109-115.	2.7	24
87	Novel tea polyphenolâ€modified calcium phosphate nanoparticle and its remineralization potential. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2015, 103, 1525-1531.	3.4	24
88	Crystal Chemistry and Electrochemistry of Li <sub>x</sub> Mn <sub>1.5</sub> Ni <sub>0.5</sub> O <sub>4</sub> Solid Solution Cathode Materials. <i>Chemistry of Materials</i> , 2017, 29, 6818-6828.	6.7	24
89	Combining Bioactive Multifunctional Dental Composite with PAMAM for Root Dentin Remineralization. <i>Materials</i> , 2017, 10, 89.	2.9	24
90	Anti-Bacterial and Microecosystem-Regulating Effects of Dental Implant Coated with Dimethylaminododecyl Methacrylate. <i>Molecules</i> , 2017, 22, 2013.	3.8	24

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91	Mapping of Heterogeneous Catalyst Degradation in Polymer Electrolyte Fuel Cells. <i>Advanced Energy Materials</i> , 2020, 10, 2000623.	19.5	24
92	<i>Gudongella oleilytica</i> gen. nov., sp. nov., an aerotolerant bacterium isolated from Shengli oilfield and validation of family Tissierellaceae. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 951-957.	1.7	24
93	Growth and adherence of <i>Staphylococcus aureus</i> were enhanced through the PGE2 produced by the activated COX-2/PGE2 pathway of infected oral epithelial cells. <i>PLoS ONE</i> , 2017, 12, e0177166.	2.5	24
94	Inorganic binder-containing composite cathode contact materials for solid oxide fuel cells. <i>Journal of Power Sources</i> , 2013, 224, 174-179.	7.8	23
95	Effects of different substrates/growth media on microbial community of saliva-derived biofilm. <i>FEMS Microbiology Letters</i> , 2017, 364, .	1.8	23
96	Nicotine Enhances Interspecies Relationship between <i>Streptococcus mutans</i> and <i>Candida albicans</i> . <i>BioMed Research International</i> , 2017, 2017, 1-9.	1.9	23
97	In situ antibiofilm effect of glass-ionomer cement containing dimethylaminododecyl methacrylate. <i>Dental Materials</i> , 2015, 31, 992-1002.	3.5	22
98	Alanine racemase is essential for the growth and interspecies competitiveness of <i>Streptococcus mutans</i> . <i>International Journal of Oral Science</i> , 2016, 8, 231-238.	8.6	22
99	Enhanced lithium ion transport in garnet-type solid state electrolytes. <i>Journal of Electroceramics</i> , 2017, 38, 168-175.	2.0	22
100	Quaternary ammonium-induced multidrug tolerant <i>Streptococcus mutans</i> persists elevate cariogenic virulence in vitro. <i>International Journal of Oral Science</i> , 2017, 9, e7-e7.	8.6	22
101	MicroRNA 224 Regulates Ion Transporter Expression in Ameloblasts To Coordinate Enamel Mineralization. <i>Molecular and Cellular Biology</i> , 2015, 35, 2875-2890.	2.3	21
102	<i>Staphylococcus aureus</i> Synergized with <i>Candida albicans</i> to Increase the Pathogenesis and Drug Resistance in Cutaneous Abscess and Peritonitis Murine Models. <i>Pathogens</i> , 2021, 10, 1036.	2.8	21
103	Effect of pH-sensitive nanoparticles on inhibiting oral biofilms. <i>Drug Delivery</i> , 2022, 29, 561-573.	5.7	21
104	Effect of toothpaste containing arginine on dental plaque—A randomized controlled in situ study. <i>Journal of Dentistry</i> , 2017, 67, 88-93.	4.1	20
105	Heat-Polymerized Resin Containing Dimethylaminododecyl Methacrylate Inhibits <i>Candida albicans</i> Biofilm. <i>Materials</i> , 2017, 10, 431.	2.9	20
106	Effects of simulated microgravity on <i>Streptococcus mutans</i> physiology and biofilm structure. <i>FEMS Microbiology Letters</i> , 2014, 359, 94-101.	1.8	19
107	Novel metformin-containing resin promotes odontogenic differentiation and mineral synthesis of dental pulp stem cells. <i>Drug Delivery and Translational Research</i> , 2019, 9, 85-96.	5.8	19
108	Short-Time Antibacterial Effects of Dimethylaminododecyl Methacrylate on Oral Multispecies Biofilm In Vitro. <i>BioMed Research International</i> , 2019, 2019, 1-10.	1.9	17

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109	Hyperosmotic response of streptococcus mutans: from microscopic physiology to transcriptomic profile. BMC Microbiology, 2013, 13, 275.	3.3	16
110	Intermittent Contact Alternating Current Scanning Electrochemical Microscopy: A Method for Mapping Conductivities in Solid Li Ion Conducting Electrolyte Samples. Frontiers in Energy Research, 2016, 4, .	2.3	15
111	Research on oral microbiota of monozygotic twins with discordant caries experience - in vitro and in vivo study. Scientific Reports, 2018, 8, 7267.	3.3	15
112	Effect of D-cysteine on dual-species biofilms of Streptococcus mutans and Streptococcus sanguinis. Scientific Reports, 2019, 9, 6689.	3.3	15
113	Novel Nanocomposite Inhibiting Caries at the Enamel Restoration Margins in an In Vitro Saliva-Derived Biofilm Secondary Caries Model. International Journal of Molecular Sciences, 2020, 21, 6369.	4.1	15
114	Thermosynergistes pyruvativorans gen. nov., sp. nov., an anaerobic, pyruvate-degrading bacterium from Shengli oilfield, and proposal of Thermosynergistaceae fam. nov. in the phylum Synergistetes. International Journal of Systematic and Evolutionary Microbiology, 2021, 71, .	1.7	15
115	Novel Cavity Disinfectants Containing Quaternary Ammonium Monomer Dimethylaminododecyl Methacrylate. Materials, 2016, 9, 674.	2.9	14
116	Primer containing dimethylaminododecyl methacrylate kills bacteria impregnated in human dentin blocks. International Journal of Oral Science, 2016, 8, 239-245.	8.6	14
117	Function of alanine racemase in the physiological activity and cariogenicity of Streptococcus mutans. Scientific Reports, 2018, 8, 5984.	3.3	14
118	Influence of bio-film aging on corrosion behavior of different implant materials. Clinical Implant Dentistry and Related Research, 2019, 21, 1225-1234.	3.7	13
119	The two-component signal transduction system and its regulation in <i>Candida albicans</i> . Virulence, 2021, 12, 1884-1899.	4.4	13
120	The cross-kingdom interaction between Helicobacter pylori and Candida albicans. PLoS Pathogens, 2021, 17, e1009515.	4.7	11
121	Effect of Antibacterial Root Canal Sealer on Persistent Apical Periodontitis. Antibiotics, 2021, 10, 741.	3.7	11
122	Intelligent pH-responsive dental sealants to prevent long-term microleakage. Dental Materials, 2021, 37, 1529-1541.	3.5	11
123	Applications of CRISPR/Cas gene-editing technology in yeast and fungi. Archives of Microbiology, 2022, 204, 79.	2.2	11
124	Effects of water aging on the mechanical and anti-biofilm properties of glass-ionomer cement containing dimethylaminododecyl methacrylate. Dental Materials, 2019, 35, 434-443.	3.5	10
125	Casein phosphopeptide-amorphous calcium phosphate modified glass ionomer cement attenuates demineralization and modulates biofilm composition in dental caries. Dental Materials Journal, 2021, 40, 84-93.	1.8	10
126	Correlating the morphological changes to electrochemical performance during carbon corrosion in polymer electrolyte fuel cells. Journal of Materials Chemistry A, 2022, 10, 12551-12562.	10.3	10



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127	Novel dental implant modifications with two-staged double benefits for preventing infection and promoting osseointegration in vivo and in vitro. <i>Bioactive Materials</i> , 2021, 6, 4568-4579.	15.6	8
128	The Adhesion and Invasion Mechanisms of Streptococci. <i>Current Issues in Molecular Biology</i> , 2019, 32, 521-560.	2.4	8
129	Integrated thermal management strategy and materials for solid oxide fuel cells. <i>Journal of Power Sources</i> , 2011, 196, 10074-10078.	7.8	7
130	Accuracy of Raman spectroscopy in discrimination of nasopharyngeal carcinoma from normal samples: a systematic review and meta-analysis. <i>Journal of Cancer Research and Clinical Oncology</i> , 2019, 145, 1811-1821.	2.5	7
131	Comparative analysis of oral microbiome from Zang and Han populations living at different altitudes. <i>Archives of Oral Biology</i> , 2021, 121, 104986.	1.8	7
132	Control of hydroxyapatite crystal growth by gallic acid. <i>Dental Materials Journal</i> , 2015, 34, 108-113.	1.8	6
133	Starvation Survival and Biofilm Formation under Subminimum Inhibitory Concentration of QAMs. <i>BioMed Research International</i> , 2021, 2021, 1-10.	1.9	6
134	Anti-bacterial and anti-microbial aging effects of resin-based sealant modified by quaternary ammonium monomers. <i>Journal of Dentistry</i> , 2021, 112, 103767.	4.1	6
135	Molecular fingerprints in shales from the Sanhu biogenic gas fields in eastern Qaidam Basin, NW China: Evidence of biodegradation of shale organic matter. <i>Marine and Petroleum Geology</i> , 2021, 133, 105289.	3.3	6
136	Novel dual-functional implants via oxygen non-thermal plasma and quaternary ammonium to promote osteogenesis and combat infections. <i>Dental Materials</i> , 2022, 38, 169-182.	3.5	5
137	Cathode Contact Materials for Solid Oxide Fuel Cells. <i>ECS Transactions</i> , 2011, 35, 2625-2630.	0.5	3
138	Mining the Gut Microbiota for Microbial-Based Therapeutic Strategies in Cancer Immunotherapy. <i>Frontiers in Oncology</i> , 2021, 11, 721249.	2.8	3
139	Signal Transduction of Streptococci by Cyclic Dinucleotide Second Messengers. <i>Current Issues in Molecular Biology</i> , 2019, 32, 87-122.	2.4	3
140	Application of Omics and Bioinformatics Tools in <i>Streptococcus</i> Research. <i>Current Issues in Molecular Biology</i> , 2019, 32, 327-376.	2.4	3
141	The Oral Complications of COVID-19. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 803785.	3.5	3
142	The Synergistic Effect of Nicotine and <i>Staphylococcus aureus</i> on Peri-Implant Infections. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 658380.	4.1	2