

May Lei Mei

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

4,170
citations

147801

31
h-index

123424

61
g-index

81
all docs

81
docs citations

81
times ranked

2892
citing authors

#	ARTICLE	IF	CITATIONS
1	<p>The Antibacterial Mechanism of Silver Nanoparticles and Its Application in Dentistry</p>. International Journal of Nanomedicine, 2020, Volume 15, 2555-2562.	6.7	831
2	Caries remineralisation and arresting effect in children by professionally applied fluoride treatment â€“ a systematic review. BMC Oral Health, 2016, 16, 12.	2.3	208
3	Inhibitory effect of silver diamine fluoride on dentine demineralisation and collagen degradation. Journal of Dentistry, 2013, 41, 809-817.	4.1	179
4	Mechanisms of silver diamine fluoride on arresting caries: a literature review. International Dental Journal, 2018, 68, 67-76.	2.6	175
5	Antibacterial effects of silver diamine fluoride on multi-species cariogenic biofilm on caries. Annals of Clinical Microbiology and Antimicrobials, 2013, 12, 4.	3.8	169
6	Clinical Trials of Silver Diamine Fluoride in Arresting Caries among Children. JDR Clinical and Translational Research, 2016, 1, 201-210.	1.9	169
7	Arresting Dentine Caries with Silver Diamine Fluoride: Whatâ€™s Behind It?. Journal of Dental Research, 2018, 97, 751-758.	5.2	143
8	An ex vivo study of arrested primary teeth caries with silver diamine fluoride therapy. Journal of Dentistry, 2014, 42, 395-402.	4.1	119
9	The inhibitory effects of silver diamine fluoride at different concentrations on matrix metalloproteinases. Dental Materials, 2012, 28, 903-908.	3.5	108
10	Caries arresting effect of silver diamine fluoride on dentine carious lesion with S. mutans and L. acidophilus dual-species cariogenic biofilm. Medicina Oral, Patologia Oral Y Cirugia Bucal, 2013, 18, e824-e831.	1.7	103
11	Methods for Biomimetic Remineralization of Human Dentine: A Systematic Review. International Journal of Molecular Sciences, 2015, 16, 4615-4627.	4.1	96
12	Formation of Fluorohydroxyapatite with Silver Diamine Fluoride. Journal of Dental Research, 2017, 96, 1122-1128.	5.2	89
13	Agarose Hydrogel Biomimetic Mineralization Model for the Regeneration of Enamel Prismlike Tissue. ACS Applied Materials & Interfaces, 2014, 6, 410-420.	8.0	77
14	Fluoride and silver concentrations of silver diammine fluoride solutions for dental use. International Journal of Paediatric Dentistry, 2013, 23, 279-285.	1.8	76
15	The inhibitory effects of silver diamine fluorides on cysteine cathepsins. Journal of Dentistry, 2014, 42, 329-335.	4.1	75
16	Effect of Silver Diamine Fluoride and Potassium Iodide Treatment on Secondary Caries Prevention and Tooth Discolouration in Cervical Glass Ionomer Cement Restoration. International Journal of Molecular Sciences, 2017, 18, 340.	4.1	68
17	Biomimetic mineralisation of phosphorylated dentine by CPP-ACP. Journal of Dentistry, 2013, 41, 818-825.	4.1	67
18	Antimicrobial peptides for the prevention and treatment of dental caries: A concise review. Archives of Oral Biology, 2021, 122, 105022.	1.8	55

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19	Developing biocompatible silver nanoparticles using epigallocatechin gallate for dental use. Archives of Oral Biology, 2019, 102, 106-112.	1.8	54
20	Acquired salivary pellicle and oral diseases: A literature review. Journal of Dental Sciences, 2021, 16, 523-529.	2.5	54
21	Prevention of secondary caries using silver diamine fluoride treatment and casein phosphopeptide-amorphous calcium phosphate modified glass-ionomer cement. Journal of Dentistry, 2017, 57, 38-44.	4.1	53
22	Self-cleaning and antibiofouling enamel surface by slippery liquid-infused technique. Scientific Reports, 2016, 6, 25924.	3.3	52
23	Remineralisation of enamel with silver diamine fluoride and sodium fluoride. Dental Materials, 2018, 34, e344-e352.	3.5	50
24	A novel self-assembled oligopeptide amphiphile for biomimetic mineralization of enamel. BMC Biotechnology, 2014, 14, 32.	3.3	48
25	A Review of the Common Models Used in Mechanistic Studies on Demineralization-Remineralization for Cariology Research. Dentistry Journal, 2017, 5, 20.	2.3	47
26	Use of fluorides in dental caries management. General Dentistry, 2010, 58, 37-43; quiz 44-5, 79-80.	0.4	46
27	Effect of silver diamine fluoride and potassium iodide on shear bond strength of glass ionomer cements to caries-affected dentine. International Dental Journal, 2019, 69, 341-347.	2.6	45
28	A novel oligopeptide simulating dentine matrix protein 1 for biomimetic mineralization of dentine. Clinical Oral Investigations, 2014, 18, 873-881.	3.0	44
29	Dental Biofilm and Laboratory Microbial Culture Models for Cariology Research. Dentistry Journal, 2017, 5, 21.	2.3	43
30	Caries-arresting effects of silver diamine fluoride and sodium fluoride on dentine caries lesions. Journal of Dentistry, 2018, 78, 65-71.	4.1	38
31	Effect of silver diamine fluoride solution application on the bond strength of dentine to adhesives and to glass ionomer cements: a systematic review. BMC Oral Health, 2020, 20, 40.	2.3	37
32	Enamel prism-like tissue regeneration using enamel matrix derivative. Journal of Dentistry, 2014, 42, 1535-1542.	4.1	34
33	Methods for Biomimetic Mineralisation of Human Enamel: A Systematic Review. Materials, 2015, 8, 2873-2886.	2.9	33
34	Prevention of secondary caries by silver diamine fluoride. International Dental Journal, 2016, 66, 71-77.	2.6	32
35	Arresting simulated dentine caries with adjunctive application of silver nitrate solution and sodium fluoride varnish: an in vitro study. International Dental Journal, 2017, 67, 206-214.	2.6	32
36	Using next-generation sequencing to detect oral microbiome change following periodontal interventions: A systematic review. Oral Diseases, 2021, 27, 1073-1089.	3.0	32

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37	Arresting rampant dental caries with silver diamine fluoride in a young teenager suffering from chronic oral graft versus host disease post-bone marrow transplantation: a case report. <i>BMC Research Notes</i> , 2014, 7, 3.	1.4	31
38	<p>Remineralising Dentine Caries Using Sodium Fluoride with Silver Nanoparticles: An In Vitro Study</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 2829-2839.	6.7	31
39	<p>Use of Silver Nanomaterials for Caries Prevention: A Concise Review</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 3181-3191.	6.7	29
40	Mechanisms of Bioactive Glass on Caries Management: A Review. <i>Materials</i> , 2019, 12, 4183.	2.9	26
41	The multifaceted roles of antimicrobial peptides in oral diseases. <i>Molecular Oral Microbiology</i> , 2021, 36, 159-171.	2.7	26
42	<p>Synthesis and Characterization of Fluoridated Silver Nanoparticles and Their Potential as a Non-Staining Anti-Caries Agent</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 3207-3215.	6.7	25
43	Changes in Oral Health Policies and Guidelines During the COVID-19 Pandemic. <i>Frontiers in Oral Health</i> , 2021, 2, 668444.	3.0	24
44	Remineralising effect of 45S5 bioactive glass on artificial caries in dentine. <i>BMC Oral Health</i> , 2020, 20, 49.	2.3	22
45	A Direct Electric Field-Aided Biomimetic Mineralization System for Inducing the Remineralization of Dentin Collagen Matrix. <i>Materials</i> , 2015, 8, 7889-7899.	2.9	21
46	The effects of strontium-doped bioactive glass and fluoride on hydroxyapatite crystallization. <i>Journal of Dentistry</i> , 2021, 105, 103581.	4.1	21
47	Remineralizing effect of a new strontium-doped bioactive glass and fluoride on demineralized enamel and dentine. <i>Journal of Dentistry</i> , 2021, 108, 103633.	4.1	20
48	Prevention of dentine caries using silver diamine fluoride application followed by Er:YAG laser irradiation: an in vitro study. <i>Lasers in Medical Science</i> , 2014, 29, 1785-1791.	2.1	19
49	Anti-proteolytic property and bonding durability of mussel adhesive protein-modified dentin adhesive interface. <i>Dental Materials</i> , 2017, 33, 1075-1083.	3.5	19
50	Preventing root caries development under oral biofilm challenge in an artificial mouth. <i>Medicina Oral, Patologia Oral Y Cirugia Bucal</i> , 2013, 18, e557-e563.	1.7	18
51	Antibacterial effect of a new bioactive glass on cariogenic bacteria. <i>Archives of Oral Biology</i> , 2020, 117, 104833.	1.8	18
52	Clinical Use of Silver Diamine Fluoride in Dental Treatment. <i>Compendium of Continuing Education in Dentistry</i> (Jamesburg, NJ: 1995), 2016, 37, 93-8; quiz100.	0.1	18
53	Effects of Fluoride on Two Chemical Models of Enamel Demineralization. <i>Materials</i> , 2017, 10, 1245.	2.9	17
54	Effect of silver diamine fluoride on plaque microbiome in children. <i>Journal of Dentistry</i> , 2020, 102, 103479.	4.1	17

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55	An Electrophoresis-Aided Biomineralization System for Regenerating Dentin- and Enamel-Like Microstructures for the Self-Healing of Tooth Defects. <i>Crystal Growth and Design</i> , 2014, 14, 5537-5548.	3.0	15
56	Mussel-inspired silver-nanoparticle coating on porous titanium surfaces to promote mineralization. <i>RSC Advances</i> , 2016, 6, 104025-104035.	3.6	15
57	Inhibition of dentine caries using fluoride solution with silver nanoparticles: An in vitro study. <i>Journal of Dentistry</i> , 2020, 103, 103512.	4.1	15
58	Influence of the indirect restoration design on the fracture resistance: a finite element study. <i>BioMedical Engineering OnLine</i> , 2016, 15, 3.	2.7	13
59	A novel dual-action antimicrobial peptide for caries management. <i>Journal of Dentistry</i> , 2021, 111, 103729.	4.1	13
60	Effect of laser irradiation on the fluoride uptake of silver diamine fluoride treated dentine. <i>Lasers in Medical Science</i> , 2015, 30, 985-991.	2.1	12
61	Effect of Heat Treatment on the Physical Properties of Provisional Crowns during Polymerization: An in Vitro Study. <i>Materials</i> , 2015, 8, 1766-1777.	2.9	11
62	Shear Bond Strength and Remineralisation Effect of a Casein Phosphopeptide-Amorphous Calcium Phosphate-Modified Glass Ionomer Cement on Artificial "Caries-Affected" Dentine. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1723.	4.1	11
63	Effect of Silver Nitrate and Sodium Fluoride with Tri-Calcium Phosphate on Streptococcus mutans and Demineralised Dentine. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1288.	4.1	11
64	Remineralising dentine caries using an artificial antimicrobial peptide: An in vitro study. <i>Journal of Dentistry</i> , 2021, 111, 103736.	4.1	10
65	Efficacy of the dual-action GA-KR12 peptide for remineralising initial enamel caries: an in vitro study. <i>Clinical Oral Investigations</i> , 2022, 26, 2441-2451.	3.0	8
66	Inhibition of Cariogenic Plaque Formation on Root Surface with Polydopamine-Induced-Polyethylene Glycol Coating. <i>Materials</i> , 2016, 9, 414.	2.9	7
67	Layer-by-layer self-assembly polyelectrolytes loaded with cyclic adenosine monophosphate enhances the osteo/odontogenic differentiation of stem cells from apical papilla. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 207-218.	4.0	7
68	Restoring proximal caries lesions conservatively with tunnel restorations. <i>Clinical, Cosmetic and Investigational Dentistry</i> , 2013, 5, 43.	1.6	6
69	Caries Prevention Effects of Silver Diamine Fluoride with 10,600-nm Carbon Dioxide Laser Irradiation on Dentin. <i>Photobiomodulation, Photomedicine, and Laser Surgery</i> , 2020, 38, 295-300.	1.4	6
70	Antibacterial Membrane with a Bone-Like Structure for Guided Bone Regeneration. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-8.	2.7	5
71	Effects of carbon dioxide lasers on preventing caries: a literature review. <i>Lasers in Dental Science</i> , 2019, 3, 83-90.	0.6	4
72	Editorial: The Use of Bioactive Materials in Caries Management. <i>Frontiers in Oral Health</i> , 2022, 3, 832285.	3.0	4

#	ARTICLE	IF	CITATIONS
73	<p>Conservative Composite Resin Restoration for Proximal Caries â€“ Two Case Reports</p>. Clinical, Cosmetic and Investigational Dentistry, 2020, Volume 12, 415-422.	1.6	3
74	Effect of Strontium-Doped Bioactive Glass on Preventing Formation of Demineralized Lesion. Materials, 2021, 14, 4645.	2.9	3
75	A survey of practices of tunnel preparation among dentists who attended the 100th <sc>FDI A</sc>nnual <sc>W</sc>orld <sc>D</sc>ental <sc>C</sc>ongress. Journal of Investigative and Clinical Dentistry, 2015, 6, 63-68.	1.8	2
76	A multicenter study of dental curricula in Asia/Pacific nations: The views and experiences of finalâ€year dental students. Journal of Dental Education, 2021, 85, 660-668.	1.2	2
77	Effect of Er:YAG laser irrigation with different etching modes on the push-out bond strength of fiber posts to the root dentine. Lasers in Medical Science, 2022, 37, 2687-2696.	2.1	1
78	Effect of strontium-doped bioactive glass-ceramic containing toothpaste on prevention of artificial dentine caries formation: an in vitro study. BMC Oral Health, 2022, 22, .	2.3	1