

# 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	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
2	Effect of Er:YAG laser irrigation with different etching modes on the push-out bond strength of fiber posts to the root dentine. <i>Lasers in Medical Science</i> , 2022, 37, 2687-2696.	2.1	1
3	Editorial: The Use of Bioactive Materials in Caries Management. <i>Frontiers in Oral Health</i> , 2022, 3, 832285.	3.0	4
4	Effect of strontium-doped bioactive glass-ceramic containing toothpaste on prevention of artificial dentine caries formation: an in vitro study. <i>BMC Oral Health</i> , 2022, 22, .	2.3	1
5	Using next-generation sequencing to detect oral microbiome change following periodontal interventions: A systematic review. <i>Oral Diseases</i> , 2021, 27, 1073-1089.	3.0	32
6	Acquired salivary pellicle and oral diseases: A literature review. <i>Journal of Dental Sciences</i> , 2021, 16, 523-529.	2.5	54
7	Antimicrobial peptides for the prevention and treatment of dental caries: A concise review. <i>Archives of Oral Biology</i> , 2021, 122, 105022.	1.8	55
8	The effects of strontium-doped bioactive glass and fluoride on hydroxyapatite crystallization. <i>Journal of Dentistry</i> , 2021, 105, 103581.	4.1	21
9	The multifaceted roles of antimicrobial peptides in oral diseases. <i>Molecular Oral Microbiology</i> , 2021, 36, 159-171.	2.7	26
10	Changes in Oral Health Policies and Guidelines During the COVID-19 Pandemic. <i>Frontiers in Oral Health</i> , 2021, 2, 668444.	3.0	24
11	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
12	Effect of Strontium-Doped Bioactive Glass on Preventing Formation of Demineralized Lesion. <i>Materials</i> , 2021, 14, 4645.	2.9	3
13	A novel dual-action antimicrobial peptide for caries management. <i>Journal of Dentistry</i> , 2021, 111, 103729.	4.1	13
14	Remineralising dentine caries using an artificial antimicrobial peptide: An in vitro study. <i>Journal of Dentistry</i> , 2021, 111, 103736.	4.1	10
15	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
16	A multicenter study of dental curricula in Asia/Pacific nations: The views and experiences of final-year dental students. <i>Journal of Dental Education</i> , 2021, 85, 660-668.	1.2	2
17	Effect of silver diamine fluoride on plaque microbiome in children. <i>Journal of Dentistry</i> , 2020, 102, 103479.	4.1	17
18	<p>Conservative Composite Resin Restoration for Proximal Caries – Two Case Reports</p>. <i>Clinical, Cosmetic and Investigational Dentistry</i> , 2020, Volume 12, 415-422.	1.6	3

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19	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
20	&lt;p&gt;Remineralising Dentine Caries Using Sodium Fluoride with Silver Nanoparticles: An In Vitro Study&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 2829-2839.	6.7	31
21	&lt;p&gt;Synthesis and Characterization of Fluoridated Silver Nanoparticles and Their Potential as a Non-Staining Anti-Caries Agent&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 3207-3215.	6.7	25
22	&lt;p&gt;Use of Silver Nanomaterials for Caries Prevention: A Concise Review&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 3181-3191.	6.7	29
23	Antibacterial effect of a new bioactive glass on cariogenic bacteria. <i>Archives of Oral Biology</i> , 2020, 117, 104833.	1.8	18
24	Remineralising effect of 45S5 bioactive glass on artificial caries in dentine. <i>BMC Oral Health</i> , 2020, 20, 49.	2.3	22
25	&lt;p&gt;The Antibacterial Mechanism of Silver Nanoparticles and Its Application in Dentistry&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 2555-2562.	6.7	831
26	Caries Prevention Effects of Silver Diamine Fluoride with 10,600â€%nm Carbon Dioxide Laser Irradiation on Dentin. <i>Photobiomodulation, Photomedicine, and Laser Surgery</i> , 2020, 38, 295-300.	1.4	6
27	Effect of silver diamine fluoride solution application on the bond strength of dentine to adhesives and to glass ionomer cements: a systematic review. <i>BMC Oral Health</i> , 2020, 20, 40.	2.3	37
28	Effects of carbon dioxide lasers on preventing caries: a literature review. <i>Lasers in Dental Science</i> , 2019, 3, 83-90.	0.6	4
29	Effect of silver diamine fluoride and potassium iodide on shear bond strength of glass ionomer cements to caries-affected dentine. <i>International Dental Journal</i> , 2019, 69, 341-347.	2.6	45
30	Developing biocompatible silver nanoparticles using epigallocatechin gallate for dental use. <i>Archives of Oral Biology</i> , 2019, 102, 106-112.	1.8	54
31	Mechanisms of Bioactive Glass on Caries Management: A Review. <i>Materials</i> , 2019, 12, 4183.	2.9	26
32	Mechanisms of silver diamine fluoride on arresting caries: a literature review. <i>International Dental Journal</i> , 2018, 68, 67-76.	2.6	175
33	Remineralisation of enamel with silver diamine fluoride and sodium fluoride. <i>Dental Materials</i> , 2018, 34, e344-e352.	3.5	50
34	Arresting Dentine Caries with Silver Diamine Fluoride: Whatâ€™s Behind It?. <i>Journal of Dental Research</i> , 2018, 97, 751-758.	5.2	143
35	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
36	Caries-arresting effects of silver diamine fluoride and sodium fluoride on dentine caries lesions. <i>Journal of Dentistry</i> , 2018, 78, 65-71.	4.1	38

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37	Formation of Fluorohydroxyapatite with Silver Diamine Fluoride. <i>Journal of Dental Research</i> , 2017, 96, 1122-1128.	5.2	89
38	Arresting simulated dentine caries with adjunctive application of silver nitrate solution and sodium fluoride varnish: an in vitro study. <i>International Dental Journal</i> , 2017, 67, 206-214.	2.6	32
39	Prevention of secondary caries using silver diamine fluoride treatment and casein phosphopeptide-amorphous calcium phosphate modified glass-ionomer cement. <i>Journal of Dentistry</i> , 2017, 57, 38-44.	4.1	53
40	Effects of Fluoride on Two Chemical Models of Enamel Demineralization. <i>Materials</i> , 2017, 10, 1245.	2.9	17
41	Dental Biofilm and Laboratory Microbial Culture Models for Cariology Research. <i>Dentistry Journal</i> , 2017, 5, 21.	2.3	43
42	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
43	Effect of Silver Diamine Fluoride and Potassium Iodide Treatment on Secondary Caries Prevention and Tooth Discolouration in Cervical Glass Ionomer Cement Restoration. <i>International Journal of Molecular Sciences</i> , 2017, 18, 340.	4.1	68
44	A Review of the Common Models Used in Mechanistic Studies on Demineralization-Remineralization for Cariology Research. <i>Dentistry Journal</i> , 2017, 5, 20.	2.3	47
45	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
46	Inhibition of Cariogenic Plaque Formation on Root Surface with Polydopamine-Induced-Polyethylene Glycol Coating. <i>Materials</i> , 2016, 9, 414.	2.9	7
47	Self-cleaning and antibiofouling enamel surface by slippery liquid-infused technique. <i>Scientific Reports</i> , 2016, 6, 25924.	3.3	52
48	Clinical Trials of Silver Diamine Fluoride in Arresting Caries among Children. <i>JDR Clinical and Translational Research</i> , 2016, 1, 201-210.	1.9	169
49	Mussel-inspired silver-nanoparticle coating on porous titanium surfaces to promote mineralization. <i>RSC Advances</i> , 2016, 6, 104025-104035.	3.6	15
50	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
51	Prevention of secondary caries by silver diamine fluoride. <i>International Dental Journal</i> , 2016, 66, 71-77.	2.6	32
52	Caries remineralisation and arresting effect in children by professionally applied fluoride treatment " a systematic review. <i>BMC Oral Health</i> , 2016, 16, 12.	2.3	208
53	Clinical Use of Silver Diamine Fluoride in Dental Treatment. <i>Compendium of Continuing Education in Dentistry</i> (Jamesburg, N J: 1995), 2016, 37, 93-8; quiz100.	0.1	18
54	A survey of practices of tunnel preparation among dentists who attended the 100th FDI Annual World Dental Congress. <i>Journal of Investigative and Clinical Dentistry</i> , 2015, 6, 63-68.	1.8	2

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55	Methods for Biomimetic Mineralisation of Human Enamel: A Systematic Review. <i>Materials</i> , 2015, 8, 2873-2886.	2.9	33
56	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
57	Antibacterial Membrane with a Bone-Like Structure for Guided Bone Regeneration. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-8.	2.7	5
58	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
59	Methods for Biomimetic Remineralization of Human Dentine: A Systematic Review. <i>International Journal of Molecular Sciences</i> , 2015, 16, 4615-4627.	4.1	96
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	Enamel prism-like tissue regeneration using enamel matrix derivative. <i>Journal of Dentistry</i> , 2014, 42, 1535-1542.	4.1	34
62	A novel oligopeptide simulating dentine matrix protein 1 for biomimetic mineralization of dentine. <i>Clinical Oral Investigations</i> , 2014, 18, 873-881.	3.0	44
63	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
64	An ex vivo study of arrested primary teeth caries with silver diamine fluoride therapy. <i>Journal of Dentistry</i> , 2014, 42, 395-402.	4.1	119
65	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
66	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
67	A novel self-assembled oligopeptide amphiphile for biomimetic mineralization of enamel. <i>BMC Biotechnology</i> , 2014, 14, 32.	3.3	48
68	The inhibitory effects of silver diamine fluorides on cysteine cathepsins. <i>Journal of Dentistry</i> , 2014, 42, 329-335.	4.1	75
69	Agarose Hydrogel Biomimetic Mineralization Model for the Regeneration of Enamel Prismlike Tissue. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 410-420.	8.0	77
70	Fluoride and silver concentrations of silver diammine fluoride solutions for dental use. <i>International Journal of Paediatric Dentistry</i> , 2013, 23, 279-285.	1.8	76
71	Antibacterial effects of silver diamine fluoride on multi-species cariogenic biofilm on caries. <i>Annals of Clinical Microbiology and Antimicrobials</i> , 2013, 12, 4.	3.8	169
72	Inhibitory effect of silver diamine fluoride on dentine demineralisation and collagen degradation. <i>Journal of Dentistry</i> , 2013, 41, 809-817.	4.1	179

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73	Biomimetic mineralisation of phosphorylated dentine by CPP-ACP. <i>Journal of Dentistry</i> , 2013, 41, 818-825.	4.1	67
74	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
75	Caries arresting effect of silver diamine fluoride on dentine carious lesion with <i>S. mutans</i> and <i>L. acidophilus</i> dual-species cariogenic biofilm. <i>Medicina Oral, Patologia Oral Y Cirugia Bucal</i> , 2013, 18, e824-e831.	1.7	103
76	Restoring proximal caries lesions conservatively with tunnel restorations. <i>Clinical, Cosmetic and Investigational Dentistry</i> , 2013, 5, 43.	1.6	6
77	The inhibitory effects of silver diamine fluoride at different concentrations on matrix metalloproteinases. <i>Dental Materials</i> , 2012, 28, 903-908.	3.5	108
78	Use of fluorides in dental caries management. <i>General Dentistry</i> , 2010, 58, 37-43; quiz 44-5, 79-80.	0.4	46