

# CITATION REPORT

List of articles citing

Novel antioxidative nanotherapeutics in a rat periodontitis model: Reactive oxygen species scavenging by redox injectable gel suppresses alveolar bone resorption

DOI: 10.1016/j.biomaterials.2015.10.077  
Biomaterials, 2016, 76, 292-301.

**Source:** <https://exaly.com/paper-pdf/65699021/citation-report.pdf>

**Version:** 2024-04-29

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
60	Design of Novel PEGylated Materials for Different Approaches to Cancer Immunotherapy. <i>Drug Delivery System</i> , <b>2016</b> , 31, 320-330	0	
59	Development of a local anesthetic lidocaine-loaded redox-active injectable gel for postoperative pain management. <i>Acta Biomaterialia</i> , <b>2017</b> , 57, 127-135	10.8	6
58	The Role of Reactive Oxygen Species and Autophagy in Periodontitis and Their Potential Linkage. <i>Frontiers in Physiology</i> , <b>2017</b> , 8, 439	4.6	75
57	Oxidative Stress and Antioxidants in the Diagnosis and Therapy of Periodontitis. <i>Frontiers in Physiology</i> , <b>2017</b> , 8, 1055	4.6	60
56	Direct access to biocompatible nitroxide containing polymers. <i>Polymer Chemistry</i> , <b>2018</b> , 9, 1348-1355	4.9	9
55	Silicon nanowire-based multifunctional platform for chemo-photothermal synergistic cancer therapy. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 3876-3883	7.3	6
54	Nitroxide radical polymers as versatile material class for high-tech applications. <i>Polymer Chemistry</i> , <b>2018</b> , 9, 1479-1516	4.9	90
53	Effect of heteroatom and functionality substitution on the oxidation potential of cyclic nitroxide radicals: role of electrostatics in electrochemistry. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 2606-2614	3.6	30
52	Novel angiogenesis therapeutics by redox injectable hydrogel - Regulation of local nitric oxide generation for effective cardiovascular therapy. <i>Biomaterials</i> , <b>2018</b> , 167, 143-152	15.6	55
51	Design and application of redox polymers for nanomedicine. <i>Polymer Journal</i> , <b>2018</b> , 50, 821-836	2.7	16
50	Reactive oxygen species scavenging with a biodegradable, thermally responsive hydrogel compatible with soft tissue injection. <i>Biomaterials</i> , <b>2018</b> , 177, 98-112	15.6	81
49	Polydopamine Nanoparticles as Efficient Scavengers for Reactive Oxygen Species in Periodontal Disease. <i>ACS Nano</i> , <b>2018</b> , 12, 8882-8892	16.7	193
48	The Relationship between Vitamin C and Periodontal Diseases: A Systematic Review. <i>International Journal of Environmental Research and Public Health</i> , <b>2019</b> , 16,	4.6	20
47	Reactive oxygen species (ROS)-responsive biomaterials mediate tissue microenvironments and tissue regeneration. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 5019-5037	7.3	96
46	Topical Host-Modulating Therapy for Periodontal Regeneration: A Systematic Review and Meta-Analysis. <i>Tissue Engineering - Part B: Reviews</i> , <b>2019</b> , 25, 526-543	7.9	8
45	An enzyme-responsive membrane for antibiotic drug release and local periodontal treatment. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2019</b> , 183, 110454	6	15
44	Self-supported NiCoP/nanoporous copper as highly active electrodes for hydrogen evolution reaction. <i>Scripta Materialia</i> , <b>2019</b> , 173, 51-55	5.6	9

43	Redox Polyion Complex Micelle-Based Injectable Hydrogel as Local Reactive Oxygen Species Scavenging Therapeutics. <i>ACS Symposium Series</i> , <b>2019</b> , 287-307	0.4	1
42	Redox-active injectable gel using polyion complex to achieve sustained release of exenatide and enhance therapeutic efficacy for the treatment of type 2 diabetes. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2019</b> , 107, 1107-1113	5.4	4
41	Hydrogels as Emerging Materials for Translational Biomedicine. <i>Advanced Therapeutics</i> , <b>2019</b> , 2, 1800088	4.9	43
40	Towards the nano-control of periodontal inflammation?. <i>Oral Diseases</i> , <b>2020</b> , 26, 245-248	3.5	3
39	Metformin promotes osteogenic differentiation and protects against oxidative stress-induced damage in periodontal ligament stem cells via activation of the Akt/Nrf2 signaling pathway. <i>Experimental Cell Research</i> , <b>2020</b> , 386, 111717	4.2	25
38	ROS-Scavenging Nanomaterials to Treat Periodontitis. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 595530	5	11
37	Emerging Nanotechnology in Non-Surgical Periodontal Therapy in Animal Models: A Systematic Review. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	2
36	Low-intensity Pulsed Ultrasound regulates alveolar bone homeostasis in experimental Periodontitis by diminishing Oxidative Stress. <i>Theranostics</i> , <b>2020</b> , 10, 9789-9807	12.1	8
35	In situ gel drug delivery system for periodontitis: an insight review. <i>Future Journal of Pharmaceutical Sciences</i> , <b>2020</b> , 6,	2.1	4
34	Nanodrug with ROS and pH Dual-Sensitivity Ameliorates Liver Fibrosis via Multicellular Regulation. <i>Advanced Science</i> , <b>2020</b> , 7, 1903138	13.6	31
33	Redox injectable gel protects osteoblastic function against oxidative stress and suppresses alveolar bone loss in a rat peri-implantitis model. <i>Acta Biomaterialia</i> , <b>2020</b> , 110, 82-94	10.8	6
32	Suppressing ROS generation by apocynin inhibited cyclic stretch-induced inflammatory reaction in HPDLCs via a caspase-1 dependent pathway. <i>International Immunopharmacology</i> , <b>2021</b> , 90, 107129	5.8	2
31	Morphological characteristics of interalveolar septum and mandible in BMAL1 gene knockout mice. <i>Journal of Oral Science</i> , <b>2020</b> , 63, 83-86	1.5	2
30	Influence of the cumulative effect of zoledronic acid on periodontal microcirculation in rats. <i>Oral and Maxillofacial Surgery</i> , <b>2021</b> , 25, 487-494	1.6	2
29	Polydopamine functionalized mesoporous silica as ROS-sensitive drug delivery vehicles for periodontitis treatment by modulating macrophage polarization. <i>Nano Research</i> , <b>2021</b> , 14, 4577	10	4
28	Biocatalytic and Antioxidant Nanostructures for ROS Scavenging and Biotherapeutics. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2101804	15.6	16
27	Changes in the microcirculation in periodontal tissue due to experimental peri-implantitis. <i>Journal of Oral Biosciences</i> , <b>2021</b> , 63, 153-160	2.5	3
26	Biomimetic and Bioinspired Intervention Strategies for the Treatment of Rheumatoid Arthritis. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2104640	15.6	7

25	Protein-Mimicking Nanoparticles for a Cellular Regulation of Homeostasis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 31331-31336	9.5	8
24	Remodeling the periodontitis microenvironment for osteogenesis by using a reactive oxygen species-cleavable nanoplatform. <i>Acta Biomaterialia</i> , <b>2021</b> , 135, 593-605	10.8	5
23	Epigallocatechin gallate-based nanoparticles with reactive oxygen species scavenging property for effective chronic periodontitis treatment. <i>Chemical Engineering Journal</i> , <b>2021</b> , 433, 132197	14.7	4
22	Constructing biocompatible MSN@Ce@PEG nanoplatform for enhancing regenerative capability of stem cell via ROS-scavenging in periodontitis. <i>Chemical Engineering Journal</i> , <b>2021</b> , 423, 130207	14.7	4
21	Downregulation of protein and mRNA levels of vimentin in periodontitis: A potential biomarker candidate for periodontal severity?. <i>Gene Reports</i> , <b>2021</b> , 25, 101308	1.4	0
20	Effect of Butyrate on Collagen Expression, Cell Viability, Cell Cycle Progression and Related Proteins Expression of MG-63 Osteoblastic Cells. <i>PLoS ONE</i> , <b>2016</b> , 11, e0165438	3.7	11
19	Microcirculation changes in gingival tissue after ultrasonic tooth preparation in beagle dogs. <i>Journal of Applied Oral Science</i> , <b>2020</b> , 28, e20190145	3.3	3
18	Obesity and Periodontal Disease: A Narrative Review on Current Evidence and Putative Molecular Links. <i>Open Dentistry Journal</i> , <b>2019</b> , 13, 526-536	0.8	11
17	The Impact of Engineered Silver Nanomaterials on the Immune System. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	18
16	Liver trauma: An Insight into Therapeutic Approach. <i>Journal of Nanotechnology and Materials Science</i> , <b>2016</b> , 3, 1-3		
15	Autophagy and the potential linkage with the human oral diseases. <i>Journal of Dental Problems and Solutions</i> , <b>2020</b> , 7, 010-019	0.1	1
14	Cerium oxide nanozyme attenuates periodontal bone destruction by inhibiting the ROS-NFB pathway.. <i>Nanoscale</i> , <b>2022</b> ,	7.7	5
13	Advanced application of stimuli-responsive drug delivery system for inflammatory arthritis treatment.. <i>Materials Today Bio</i> , <b>2022</b> , 14, 100223	9.9	11
12	Comparative Transcriptome Analysis of Gingival Immune-Mediated Inflammation in Peri-Implantitis and Periodontitis Within the Same Host Environment. <i>Journal of Inflammation Research</i> , Volume 15, 3119-3133 <sup>0</sup>	4.8	0
11	Polymeric nanotechnologies for the treatment of periodontitis: A chronological review. <b>2022</b> , 625, 122065		0
10	Anti-inflammatory and antioxidant effects of rhein loaded nanomicelles in periodontitis. <b>2022</b> , 654, 130164		0
9	Sustained release of chlorogenic acid-loaded nanomicelles alleviates bone loss in mouse periodontitis. <b>2022</b> , 10, 5583-5595		1
8	Functional biomaterials for comprehensive periodontitis therapy. <b>2022</b> ,		0

- 7 An injectable multifunctional thermo-sensitive chitosan-based hydrogel for periodontitis therapy. **2022**, 142, 213158 ○
- 6 ROS-scavenging biomaterials for periodontitis. ○
- 5 Architecture of Nanoantioxidant Based on Mesoporous Organosilica Trp-Met-PMO with Dipeptide Skeleton. **2023**, 16, 638 1
- 4 Smart stimuli-responsive hydrogels for drug delivery in periodontitis treatment. **2023**, 162, 114688 ○
- 3 Antioxidant Materials in Oral and Maxillofacial Tissue Regeneration: A Narrative Review of the Literature. **2023**, 12, 594 ○
- 2 Cerium oxide nanozymes alleviate oxidative stress in tenocytes for Achilles tendinopathy healing. ○
- 1 Rational Design of Bioactive Hydrogels toward Periodontal Delivery: From Pathophysiology to Therapeutic Applications. ○