

# Petros Koidis

## List of Publications by Citations

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56  
papers

1,070  
citations

20  
h-index

31  
g-index

59  
ext. papers

1,325  
ext. citations

3.9  
avg, IF

4.42  
L-index

#	Paper	IF	Citations
56	Is there a potential for durable adhesion to zirconia restorations? A systematic review. <i>Journal of Prosthetic Dentistry</i> , <b>2016</b> , 115, 9-19	4	113
55	Assessment of the impact of two different isolation methods on the osteo/odontogenic differentiation potential of human dental stem cells derived from deciduous teeth. <i>Calcified Tissue International</i> , <b>2011</b> , 88, 130-41	3.9	76
54	Isolation and prolonged expansion of oral mesenchymal stem cells under clinical-grade, GMP-compliant conditions differentially affects "stemness" properties. <i>Stem Cell Research and Therapy</i> , <b>2017</b> , 8, 247	8.3	62
53	Angiogenic Potential and Secretome of Human Apical Papilla Mesenchymal Stem Cells in Various Stress Microenvironments. <i>Stem Cells and Development</i> , <b>2015</b> , 24, 2496-512	4.4	56
52	Effects of HEMA and TEDGMA on the in vitro odontogenic differentiation potential of human pulp stem/progenitor cells derived from deciduous teeth. <i>Dental Materials</i> , <b>2011</b> , 27, 608-17	5.7	56
51	Effect of in vitro aging on the flexural strength and probability to fracture of Y-TZP zirconia ceramics for all-ceramic restorations. <i>Dental Materials</i> , <b>2014</b> , 30, e306-16	5.7	49
50	Reinforcement of a PMMA resin for fixed interim prostheses with nanodiamonds. <i>Dental Materials Journal</i> , <b>2011</b> , 30, 222-31	2.5	41
49	Dental pulp stem cells in chitosan/gelatin scaffolds for enhanced orofacial bone regeneration. <i>Dental Materials</i> , <b>2019</b> , 35, 310-327	5.7	39
48	Microstructural characterization and comparative evaluation of physical, mechanical and biological properties of three ceramics for metal-ceramic restorations. <i>Dental Materials</i> , <b>2008</b> , 24, 1362-73	5.7	38
47	Platelet-rich plasma for the therapeutic management of temporomandibular joint disorders: a systematic review. <i>International Journal of Oral and Maxillofacial Surgery</i> , <b>2018</b> , 47, 188-198	2.9	32
46	Dental pulp stem cells secretome enhances pulp repair processes and compensates TEGDMA-induced cytotoxicity. <i>Dental Materials</i> , <b>2014</b> , 30, e405-18	5.7	31
45	Effects of resinous monomers on the odontogenic differentiation and mineralization potential of highly proliferative and clonogenic cultured apical papilla stem cells. <i>Dental Materials</i> , <b>2012</b> , 28, 327-39	5.7	31
44	Reinforcement of a PMMA resin for interim fixed prostheses with silica nanoparticles. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2017</b> , 69, 213-222	4.1	26
43	Odontogenic differentiation and biomineralization potential of dental pulp stem cells inside Mg-based bioceramic scaffolds under low-level laser treatment. <i>Lasers in Medical Science</i> , <b>2017</b> , 32, 201-210	3.1	26
42	Human treated dentin matrices combined with Zn-doped, Mg-based bioceramic scaffolds and human dental pulp stem cells towards targeted dentin regeneration. <i>Dental Materials</i> , <b>2016</b> , 32, e159-75	5.7	25
41	Fibro/chondrogenic differentiation of dental stem cells into chitosan/alginate scaffolds towards temporomandibular joint disc regeneration. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2018</b> , 29, 97	4.5	23
40	Wnt/βcatenin signaling regulates Dental Pulp Stem Cells responses to pulp injury by resinous monomers. <i>Dental Materials</i> , <b>2015</b> , 31, 542-55	5.7	22

39	Aging of 3Y-TZP dental zirconia and yttrium depletion. <i>Dental Materials</i> , <b>2017</b> , 33, e385-e392	5.7	22
38	Color stability of lithium disilicate ceramics after aging and immersion in common beverages. <i>Journal of Prosthetic Dentistry</i> , <b>2018</b> , 119, 632-642	4	20
37	The effects of implant length and diameter prior to and after osseointegration: a 2-D finite element analysis. <i>Journal of Oral Implantology</i> , <b>2007</b> , 33, 243-56	1.2	20
36	Assessment of cytotoxicity and antibacterial effects of silver nanoparticle-doped titanium alloy surfaces. <i>Dental Materials</i> , <b>2019</b> , 35, e220-e233	5.7	19
35	Effect of heat treatment and in vitro aging on the microstructure and mechanical properties of cold isostatic-pressed zirconia ceramics for dental restorations. <i>Dental Materials</i> , <b>2014</b> , 30, e272-82	5.7	17
34	Dental ceramics coated with bioactive glass: Surface changes after exposure in a simulated body fluid under static and dynamic conditions. <i>Physica Status Solidi A</i> , <b>2003</b> , 198, 65-75		16
33	Hybrid chitosan/gelatin/nanohydroxyapatite scaffolds promote odontogenic differentiation of dental pulp stem cells and in vitro biomineralization. <i>Dental Materials</i> , <b>2021</b> , 37, e23-e36	5.7	15
32	Flexural strength and the probability of failure of cold isostatic pressed zirconia core ceramics. <i>Journal of Prosthetic Dentistry</i> , <b>2012</b> , 108, 84-95	4	14
31	The effect of impression technique and implant angulation on the impression accuracy of external- and internal-connection implants. <i>International Journal of Oral and Maxillofacial Implants</i> , <b>2012</b> , 27, 1422-8	2.8	14
30	Evaluation of color stability of preshaded and liquid-shaded monolithic zirconia. <i>Journal of Prosthetic Dentistry</i> , <b>2018</b> , 119, 467-472	4	13
29	Material characterization and bioactivity evaluation of dental porcelain modified by bioactive glass. <i>Ceramics International</i> , <b>2012</b> , 38, 5585-5596	5.1	13
28	Thermal analysis and in vitro bioactivity of bioactive glass/alumina composites. <i>Materials Characterization</i> , <b>2011</b> , 62, 118-129	3.9	12
27	Effect of severely reduced bone support on the stress field developed within the connectors of three types of cross-arch fixed partial dentures. <i>Journal of Prosthetic Dentistry</i> , <b>2009</b> , 101, 54-65	4	11
26	Development of new sol-gel derived Ag-doped biomaterials for dental applications. <i>Materials Research Society Symposia Proceedings</i> , <b>2012</b> , 1417, 48		10
25	Evaluation of the biological behaviour of various dental implant abutment materials on attachment and viability of human gingival fibroblasts. <i>Dental Materials</i> , <b>2019</b> , 35, 1053-1063	5.7	9
24	Evaluation of the micro-mechanical and bioactive properties of bioactive glass-dental porcelain composite. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2018</b> , 86, 77-83	4.1	9
23	Inducing bioactivity of dental ceramic/bioactive glass composites by Nd:YAG laser. <i>Dental Materials</i> , <b>2016</b> , 32, e284-e296	5.7	8
22	Stress generation in mandibular anterior teeth restored with different types of post-and-core at various levels of ferrule. <i>Journal of Prosthetic Dentistry</i> , <b>2018</b> , 119, 965-974	4	8

21	Investigation of the influence of gastric acid on the surface roughness of ceramic materials of metal-ceramic restorations. An in vitro study. <i>International Journal of Prosthodontics</i> , <b>2011</b> , 24, 26-9	1.9	8
20	Accuracy of 3 different impression techniques for internal connection angulated implants. <i>Journal of Prosthetic Dentistry</i> , <b>2015</b> , 114, 517-23	4	7
19	The effect of high tempered firing cycle on the bioactive behavior of sol-gel derived dental porcelain modified by bioactive glass. <i>Journal of Sol-Gel Science and Technology</i> , <b>2012</b> , 63, 481-494	2.3	7
18	Effect of varying the vertical dimension of connectors of cantilever cross-arch fixed dental prostheses in patients with severely reduced osseous support: a three-dimensional finite element analysis. <i>Journal of Prosthetic Dentistry</i> , <b>2010</b> , 103, 91-100	4	6
17	Attitudes of dentists regarding the restoration of root canal treated teeth: a survey in Greece. <i>International Dental Journal</i> , <b>2010</b> , 60, 336-42	2.2	6
16	The Efficacy of Stem Cells Secretome Application in Osteoarthritis: A Systematic Review of In Vivo Studies. <i>Stem Cell Reviews and Reports</i> , <b>2020</b> , 16, 1222-1241	7.3	5
15	The Use of Lasers in Dental Materials: A Review. <i>Materials</i> , <b>2021</b> , 14,	3.5	5
14	In Vitro evaluation of the shear bond strength and bioactivity of a bioceramic cement for bonding monolithic zirconia. <i>Journal of Prosthetic Dentistry</i> , <b>2019</b> , 122, 167.e1-167.e10	4	4
13	The effect of type of restoration on the stress field developed in terminal abutments with severely reduced periodontal support and coronal structure. <i>Journal of Prosthetic Dentistry</i> , <b>2013</b> , 110, 303-12	4	4
12	Variables affecting the fit of zirconia fixed partial dentures: A systematic review. <i>Journal of Prosthetic Dentistry</i> , <b>2020</b> , 123, 686-692.e8	4	4
11	Advanced in Vitro Experimental Models for Tissue Engineering-based Reconstruction of a 3D Dentin/pulp Complex: a Literature Review. <i>Stem Cell Reviews and Reports</i> , <b>2021</b> , 17, 785-802	7.3	4
10	Color alterations of a PMMA resin for fixed interim prostheses reinforced with silica nanoparticles. <i>Journal of Advanced Prosthodontics</i> , <b>2019</b> , 11, 193-201	2.2	3
9	An experimental bioactive dental ceramic for metal-ceramic restorations: Textural characteristics and investigation of the mechanical properties. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2017</b> , 66, 95-103	4.1	3
8	Probing the mechanical properties of dental porcelain through nanoindentation. <i>Journal of the Mechanical Behavior of Materials</i> , <b>2012</b> , 21, 41-46	1.9	2
7	Development of HydroxyCarbonate Apatite on hybrid polymers used in fixed restorations modified by bioactive glass. <i>Physica Status Solidi A</i> , <b>2004</b> , 201, 733-738		2
6	Effect of Water Storage on Hardness and Interfacial Strength of Resin Composite Luting Agents Bonded to Surface-Treated Monolithic Zirconia. <i>Dentistry Journal</i> , <b>2021</b> , 9,	3.1	2
5	Novel Glass-Ceramics for Dental Application by Sol Gel Technique. <i>Key Engineering Materials</i> , <b>2008</b> , 396-398, 153-156	0.4	1
4	Fracture strength of endodontically treated premolars restored with different post systems and metal-ceramic or monolithic zirconia crowns. <i>Dental Materials Journal</i> , <b>2021</b> , 40, 606-614	2.5	1

- 3 Biocompatibility assessment of resin-based cements on vascularized dentin/pulp tissue-engineered analogues. *Dental Materials*, **2021**, 37, 914-927 5.7 ○
- 2 Characterization and In Vitro Bioactivity Study of Ternary Glass-ceramic Coatings. *Materials Research Society Symposia Proceedings*, **2007**, 1054, 29
- 1 The effect of different aging protocols on the flexural strength and phase transformations of two monolithic zirconia ceramics. *Journal of Applied Biomaterials and Functional Materials*, **2020**, 18, 228080001.8  
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