

Current status of zirconia restoration

Journal of Prosthodontic Research

57, 236-261

DOI: [10.1016/j.jpor.2013.09.001](https://doi.org/10.1016/j.jpor.2013.09.001)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Novel Zirconia Surface Treatments for Enhanced Osseointegration: Laboratory Characterization. International Journal of Dentistry, 2014, 2014, 1-8.	0.5	11
2	Effect of thione primers on adhesive bonding between an indirect composite material and Ag-Pd-Cu-Au alloy. Dental Materials Journal, 2014, 33, 681-688.	0.8	18
3	Wear performance of bovine tooth enamel against translucent tetragonal zirconia polycrystals after different surface treatments. Dental Materials Journal, 2014, 33, 811-817.	0.8	13
4	Surface characteristics and castability of Zr-14Nb alloy dental castings. Dental Materials Journal, 2014, 33, 631-637.	0.8	10
5	Evaluation of Surface Topography of Zirconia Ceramic After Er:YAG Laser Etching. Photomedicine and Laser Surgery, 2014, 32, 533-539.	2.1	13
6	Soft Tissue Biological Response to Zirconia and Metal Implant Abutments Compared With Natural Tooth. Implant Dentistry, 2014, Publish Ahead of Print, 37-41.	1.7	27
7	Paradigm shifts in prosthodontics. Journal of Prosthodontic Research, 2014, 58, 1-2.	1.1	21
8	Genotoxicity Test of Self-Renovated Ceramics in Primary Human Peripheral Lymphocytes. Cell Biochemistry and Biophysics, 2014, 70, 1773-1777.	0.9	2
9	Loading rate effect on the mechanical behavior of zirconia in nanoindentation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 619, 247-255.	2.6	47
10	Ceramic dental biomaterials and CAD/CAM technology: State of the art. Journal of Prosthodontic Research, 2014, 58, 208-216.	1.1	310
11	The Effectiveness of Polishing Kits: Influence on Surface Roughness of Zirconia. International Journal of Prosthodontics, 2015, 28, 149-151.	0.7	32
12	Influence of surface treatment of contaminated zirconia on surface free energy and resin cement bonding. Dental Materials Journal, 2015, 34, 91-97.	0.8	54
13	Fitting accuracy and fracture resistance of crowns using a hybrid zirconia frame made of both porous and dense zirconia. Dental Materials Journal, 2015, 34, 257-262.	0.8	5
14	The effect of zirconia thickness on the biaxial flexural strength of zirconiaceramic bilayered discs. Dental Materials Journal, 2015, 34, 640-647.	0.8	9
15	Effect of sodium sulfite, carboxylic monomer, and phosphoric acid etching on bonding of tri- <i>n</i> -butylborane initiated resin to human enamel. Journal of Oral Science, 2015, 57, 17-24.	0.7	4
16	Translucency and flexural strength of monolithic translucent zirconia and porcelain-layered zirconia. Dental Materials Journal, 2015, 34, 910-917.	0.8	66
17	Hard and soft tissue responses to three different implant materials in a dog model. Dental Materials Journal, 2015, 34, 692-701.	0.8	13
18	Cutting efficiency of diamond burs operated with electric high-speed dental handpiece on zirconia. European Journal of Oral Sciences, 2015, 123, 375-380.	0.7	14

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19	The color of highly translucent monolithic zirconia crowns. <i>Annals of Japan Prosthodontic Society</i> , 2015, 7, 363-370.	0.0	2
20	Comparison of shear bond strength of orthodontic brackets using various zirconia primers. <i>Korean Journal of Orthodontics</i> , 2015, 45, 164.	0.8	17
21	Biaxial flexural strength of bilayered zirconia using various veneering ceramics. <i>Journal of Advanced Prosthodontics</i> , 2015, 7, 358.	1.1	6
22	Resin bonding of metal brackets to glazed zirconia with a porcelain primer. <i>Korean Journal of Orthodontics</i> , 2015, 45, 299.	0.8	29
23	Fracture resistance of computer-aided design/computer-aided manufacturing-generated composite resin-based molar crowns. <i>European Journal of Oral Sciences</i> , 2015, 123, 122-129.	0.7	35
24	Toughening mechanisms in dental composites. , 2015, , 321-337.		2
25	Clinical Chipping of Zirconia All-Ceramic Restorations. , 2015, , 317-323.		2
26	Quantification of the amount of blue light passing through monolithic zirconia with respect to thickness and polymerization conditions. <i>Journal of Prosthetic Dentistry</i> , 2015, 113, 114-121.	1.1	67
27	Highly-translucent, strong and aging-resistant 3Y-TZP ceramics for dental restoration by grain boundary segregation. <i>Acta Biomaterialia</i> , 2015, 16, 215-222.	4.1	117
28	A retrospective evaluation of zirconia-fixed partial dentures in general practices: An up to 13-year study. <i>Dental Materials</i> , 2015, 31, 162-170.	1.6	44
29	Enhanced reliability of yttria-stabilized zirconia for dental applications. <i>Acta Biomaterialia</i> , 2015, 17, 36-46.	4.1	48
30	Risk factors for technical and biological complications with zirconia single crowns. <i>Clinical Oral Investigations</i> , 2015, 19, 1999-2006.	1.4	22
31	Outcome of zirconia single crowns made by predoctoral dental students: A clinical retrospective study after 2 to 6 years of clinical service. <i>Journal of Prosthetic Dentistry</i> , 2015, 113, 289-294.	1.1	15
33	Numerical simulation of the fracture process in ceramic FPD frameworks caused by oblique loading. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015, 50, 206-214.	1.5	3
34	Adhesion to Zirconium Dioxide Used for Dental Reconstructions: Surface Conditioning Concepts, Challenges, and Future Prospects. <i>Current Oral Health Reports</i> , 2015, 2, 190-194.	0.5	5
35	Dental materials used for metal-free restorations: Recent advances and future challenges. <i>Journal of Prosthodontic Research</i> , 2015, 59, 213-215.	1.1	24
37	Superimposition: a simple method to minimize occlusal adjustment of monolithic restoration. <i>The Journal of Korean Academy of Prosthodontics</i> , 2016, 54, 253.	0.0	0
38	Oral rehabilitation of a patient with severely worn dentition using monolithic zirconia. <i>The Journal of Korean Academy of Prosthodontics</i> , 2016, 54, 273.	0.0	0

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39	Influence of Different Framework Designs on the Fracture Properties of Ceria-Stabilized Tetragonal Zirconia/Alumina-Based All-Ceramic Crowns. <i>Materials</i> , 2016, 9, 339.	1.3	6
40	Influence of Pre-Sintered Zirconia Surface Conditioning on Shear Bond Strength to Resin Cement. <i>Materials</i> , 2016, 9, 518.	1.3	11
41	Examination of the Position Accuracy of Implant Abutments Reproduced by Intra-Oral Optical Impression. <i>PLoS ONE</i> , 2016, 11, e0164048.	1.1	38
42	Influence of the Conditioning Method for Pre-Sintered Zirconia on the Shear Bond Strength of Bilayered Porcelain/Zirconia. <i>Materials</i> , 2016, 9, 765.	1.3	7
43	Bond Strength of Resin Cements to Zirconia Ceramic Using Adhesive Primers. <i>Journal of Prosthodontics</i> , 2016, 25, 380-385.	1.7	27
44	Adhesion Properties of Human Oral Epithelial-Derived Cells to Zirconia. <i>Clinical Implant Dentistry and Related Research</i> , 2016, 18, 906-916.	1.6	14
45	A practice-based clinical evaluation of the survival and success of metal-ceramic and zirconia molar crowns: 5-year results. <i>Journal of Oral Rehabilitation</i> , 2016, 43, 136-144.	1.3	28
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47	Wear characteristics of polished and glazed lithium disilicate ceramics opposed to three ceramic materials. <i>Journal of Oral Science</i> , 2016, 58, 117-123.	0.7	12
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52	Synthesis, biocompatibility and mechanical properties of ZrO ₂ -Al ₂ O ₃ ceramics composites. <i>Dental Materials Journal</i> , 2016, 35, 392-398.	0.8	24
53	Application of Ce-TZP/Al ₂ O ₃ nanocomposite to the framework of an implant-fixed complete dental prosthesis and a complete denture. <i>Journal of Prosthodontic Research</i> , 2016, 60, 337-343.	1.1	15
54	Use of ceria-stabilized zirconia/alumina nanocomposite for fabricating the frameworks of removable dental prostheses: A clinical report. <i>Journal of Prosthetic Dentistry</i> , 2016, 116, 166-171.	1.1	12
55	Does air particle abrasion affect the flexural strength and phase transformation of Y-TZP? A systematic review and meta-analysis. <i>Dental Materials</i> , 2016, 32, 827-845.	1.6	124
56	Evaluation of various polishing systems and the phase transformation of monolithic zirconia. <i>Journal of Prosthetic Dentistry</i> , 2016, 116, 440-449.	1.1	49

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58	Fracture toughness of chairside CAD/CAM materials – Alternative loading approach for compact tension test. <i>Dental Materials</i> , 2016, 32, 847-852.	1.6	53
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66	Comparison of Customized Abutments Made from Titanium and a Machinable Precious Alloy. <i>International Journal of Oral and Maxillofacial Implants</i> , 2016, 31, 92-100.	0.6	6
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75	Prosthetic rehabilitation with an implant-supported fixed prosthesis using computer-aided design and computer-aided manufacturing dental technology for a patient with a mandibulectomy: A clinical report. <i>Journal of Prosthetic Dentistry</i> , 2016, 115, 133-136.	1.1	12
76	Effect of low-temperature degradation on the mechanical and microstructural properties of tooth-colored 3Y-TZP ceramics. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 53, 301-311.	1.5	40

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78	Residual compressive surface stress increases the bending strength of dental zirconia. <i>Dental Materials</i> , 2017, 33, e147-e154.	1.6	44
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80	Trends and perspectives in modification of zirconium oxide for a dental prosthetic applications – A review. <i>Biocybernetics and Biomedical Engineering</i> , 2017, 37, 229-245.	3.3	26
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83	The effect of mechanical fatigue and accelerated ageing on fracture resistance of glazed monolithic zirconia dental bridges. <i>Journal of the European Ceramic Society</i> , 2017, 37, 4415-4422.	2.8	19
84	Effect of cement space on stress distribution in Y-TZP based crowns. <i>Dental Materials</i> , 2017, 33, 144-151.	1.6	37
85	Effect of TiO ₂ addition on microstructure of zirconia/alumina sintered ceramics. <i>Ceramics International</i> , 2017, 43, 10392-10402.	2.3	34
86	Three-dimensional finite element analysis of zirconia all-ceramic cantilevered fixed partial dentures with different framework designs. <i>European Journal of Oral Sciences</i> , 2017, 125, 208-214.	0.7	10
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96	Effects of aqueous and acid-based coloring liquids on the hardness of zirconia restorations. <i>Journal of Prosthetic Dentistry</i> , 2017, 117, 662-668.	1.1	23
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101	Evaluation of five primers and two opaque resins for bonding ceria-stabilized zirconia/alumina nanocomposite. <i>Journal of Dental Sciences</i> , 2017, 12, 91-94.	1.2	5
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129	InÂvitro evaluation of the polishing effect and optical properties of monolithic zirconia. Journal of Prosthetic Dentistry, 2018, 119, 994-999.	1.1	16
130	Evaluation of hardness and wear of surface treated zirconia on enamel wear. An in-vitro study. Future Dental Journal, 2018, 4, 76-83.	0.1	12

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131	Effect of thickness and surface modifications on flexural strength of monolithic zirconia. <i>Journal of Prosthetic Dentistry</i> , 2018, 119, 987-993.	1.1	52
132	A Systematic Review of the Survival and Complication Rates of All-Ceramic Resin-Bonded Fixed Dental Prostheses. <i>Journal of Prosthodontics</i> , 2018, 27, 535-543.	1.7	34
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147	Internal accuracy of digitally fabricated cross-arch yttria-stabilized tetragonal zirconia polycrystalline prosthesis. <i>Clinical, Cosmetic and Investigational Dentistry</i> , 2018, Volume 10, 129-140.	0.7	4
148	Light transmittance of CAD/CAM ceramics with different shades and thicknesses and microhardness of the underlying light-cured resin cement. <i>Restorative Dentistry & Endodontics</i> , 2018, 43, e27.	0.6	12
149	Influence of monolithic lithium disilicate and zirconia thickness on polymerization efficiency of dual-cure resin cements. <i>Journal of Esthetic and Restorative Dentistry</i> , 2018, 30, 360-368.	1.8	14

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150	Comparison of bond strengths of ceramic brackets bonded to zirconia surfaces using different zirconia primers and a universal adhesive. <i>Restorative Dentistry & Endodontics</i> , 2018, 43, e7.	0.6	16
151	Recent advances in understanding the fatigue and wear behavior of dental composites and ceramics. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 88, 504-533.	1.5	94
152	Biaxial flexural strength of the bilayered disk composed of ceria-stabilized zirconia/alumina nanocomposite (Ce-TZP/A) and veneering porcelain. <i>Dental Materials</i> , 2018, 34, 1199-1210.	1.6	13
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156	Bonding of novel self-glazed zirconia dental ceramics. <i>Advances in Applied Ceramics</i> , 2019, 118, 37-45.	0.6	5
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158	Effect of Surface Modification on In-Depth Transformations and Flexural Strength of Zirconia Ceramics. <i>Journal of Prosthodontics</i> , 2019, 28, e364-e375.	1.7	24
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