



## COMPOSITES: NANOCOMPOSITES

<p><a href="#">Interfacial stress transfer and nanoparticle size as key factors in the strength of hydroxyapatite-polymer dental nanocomposites</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]</p>	Dent Mater 2025; Oct 21
<p>Flexural strength of 3D-printed nanocomposite provisional resins: impact of SiO<sub>2</sub> and ZrO<sub>2</sub> nanoparticles and printing orientations in vitro [Accessible from the Wiley link <a href="#">on this page</a>]</p>	J Prosthodont 2025; 34 (5): 500-510
<p><a href="#">Mechanical behaviour of novel nanohybrid resin composite using two light cure systems</a></p>	Int Dent J 2025; 75 (2): 1136-1147
<p><a href="#">Evaluation of colour changes in nanocomposite-based bulk-fill and universal composite using different polishing systems</a></p>	Oral Health Prev Dent 2024; 22: 459-464
<p><a href="#">Effect of nanomodified 3D printed photopolymerizable resin on flexural strength, color, and antimicrobial efficacy: An in vitro study</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]</p>	J Prosthet Dent 2024; 132 (1): 268.e1-268.e8
<p><a href="#">Clinical evaluation of Giomer and self-etch adhesive compared with nanofilled resin composite and etch-and-rinse adhesive – Results at 8 years</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]</p>	Dental Mat 2024; 40 (7): 1088-95
<p>An acid-responsive iron-based nanocomposite for OSCC treatment [can be accessed on DOSS free by logging in <a href="#">on this page</a>]</p>	J Dent Res 2024; 103 (6): 612-21
<p>Flexural strength of 3D-printed nanocomposite provisional resins: Impact of SiO<sub>2</sub> and ZrO<sub>2</sub> nanoparticles and printing orientations in vitro [Accessible from the Wiley link <a href="#">on this page</a>]</p>	J Prosthodont 2024; Feb 15 [Early view]
<p><a href="#">Silica-based silver nanocomposite 80S/Ag as <i>Aggregatibacter actinomycetemcomitans</i> inhibitor and its <i>in vitro</i> bioactivity</a></p>	J Dent Sci 2024; 19(1): 568-579
<p><a href="#">Effects of silica surface modification with silane and poly(ethylene glycol) on flexural strength, protein-repellent, and antibacterial properties of acrylic dental nanocomposites</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]</p>	Dental Materials 2023; 39 (10): 863-71
<p>A three-step etch-and-rinse vs a universal adhesive in nanohybrid composite anterior restorations: A retrospective clinical evaluation [can be accessed on DOSS free by logging in <a href="#">on this page</a>]</p>	J Adhes Dent 2023; 25 (1): 87-97
<p><a href="#">Clinical evaluation of bulk-fill and universal nanocomposites in class II cavities: Five-year results of a randomized clinical split-mouth trial</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]</p>	J Dent 2023; 128: 104362
<p><a href="#">Investigation of antimicrobial and mechanical effects of functional nanoparticles in novel dental resin composites</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]</p>	J Dentistry 2022; 123: 104180



**COMPOSITES: NANOCOMPOSITES**

<a href="#">Effect of natural and commercially produced juices on colour stability of microhybrid and nanohybrid composites</a>	BDJ Open 2022; 8: Article number: 11
<a href="#">Novel rechargeable calcium fluoride dental nanocomposites</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	Dental Mat 2022; 38 (2): 397-408
<a href="#">Minimally-invasive dentistry via dual-function novel bioactive low-shrinkage-stress flowable nanocomposites</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	Dental Mat 2022; 38 (2): 409-420
<a href="#">Mechanical and bonding properties of different combinations of nanohybrid and bulk-fill composites</a>	Acta Odont Latinoam 2021; 34 (3): 221-5
<a href="#">Novel nano calcium fluoride remineralizing and antibacterial dental composites</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	J Dent 2021; (113): 103789
Influence of thickness and shade on the color of layered novel nanohybrid composite systems [can be accessed on DOSS free by logging in <a href="#">on this page</a> ]	Int J Periodont Restor Dent 2021; 41(3): 451-455
<a href="#">Surface roughness and gloss of polished nanofilled and nanohybrid resin composites</a>	J Dent Sci 2021 – online 26 March doi.org/10.1016/j.jds.2021.03.003
*****	*****
One-year clinical evaluation of bulk-fill flowable vs. regular nanofilled composite in non-carious cervical lesions [can be accessed on DOSS free by logging in <a href="#">on this page</a> ]	Clin Oral Invest 2019; 23(2): 889-897
<a href="#">Novel multifunctional nanocomposite for root caries restorations to inhibit periodontitis-related pathogens</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	J Dent 2019; (81): 17-26
<a href="#">Nanofilled resin composite properties and clinical performance: a review</a>	Oper Dent 2018; 43(4): E173-E190
<a href="#">Do nanofilled/nanohybrid composites allow for better clinical performance of direct restorations than traditional microhybrid composites? A systematic review</a>	Oper Dent 2018; (43): E191-E209
<a href="#">Influence of thermal stress on simulated localized and generalized wear of nanofilled resin composites</a>	Oper Dent 2018; (43): 380-390
<a href="#">Five-year clinical evaluation of a nanofilled and a nanohybrid composite in Class IV cavities</a>	Oper Dent 2018; (43): 261-271
<a href="#">Novel rechargeable calcium phosphate nanocomposite with antibacterial activity to suppress biofilm acids and dental caries</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	J Dent 2018; (72): 44-52
Effect of shade, opacity and layer thickness on light transmission through a nano-hybrid dental composite during curing [Accessible from the Wiley link <a href="#">on this page</a> ]	J Esthet Restor Dent 2017; 29(5): 362-367



**COMPOSITES: NANOCOMPOSITES**

<a href="#">Thirty-six month clinical comparison of bulk fill and nanofill composite restorations</a>	Oper Dent 2017; (42): 478-485
<a href="#">Bactericidal dental nanocomposites containing 1,2,3-triazolium-functionalized POSS additive prepared through thiol-ene click polymerization</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	Dent Mater 2017; 33: 119-131
<a href="#">Bioactive glass-based nanocomposites for personalized dental tissue regeneration</a>	Dent Mater J 2016; 35(5): 710-720
Effects of novel finishing and polishing systems on surface roughness and morphology of nanocomposites [Accessible from the Wiley link <a href="#">on this page</a> ]	J Esthet Restor Dent 2016; 28(4): 247-261
The influence of pH and chemical composition of beverages on color stability of a nanofilled composite resin (request using <a href="https://www.smartsurvey.co.uk/s/PJHMV/">https://www.smartsurvey.co.uk/s/PJHMV/</a> )	Gen Dent 2016;64(6):e21-e27.
<a href="#">Use of ceria-stabilized zirconia/alumina nanocomposite for fabricating the frameworks of removable dental prostheses: a clinical report</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	J Prosthet Dent 2016; (116): 166-171
<a href="#">Protein-repellent and antibacterial functions of a calcium phosphate rechargeable nanocomposite</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	J Dent 2016; (52): 15-22
<a href="#">Physical characterization of unfilled and nanofilled dental resins: static versus dynamic mechanical properties</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	Dent Mater 2016; (32): e185-e197
Effect of nanofiller loading on cure efficiency and potential color change of model composites [Accessible from the Wiley link <a href="#">on this page</a> ]	J Esthet Restor Dent 2016; 28(3): 171-177
Effect of instrument lubricants on the surface degree of conversion and crosslinking density of nanocomposites [Accessible from the Wiley link <a href="#">on this page</a> ]	J Esthet Restor Dent 2016; 28(2): 85-91
<a href="#">Thickness dependence of light transmittance, translucency and opalescence of a ceria-stabilized zirconia/alumina nanocomposite for dental application</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	Dent Mater 2016; (32): 660-667
Effect of silane reaction time on the repair of a nanofilled composite using tribochemical treatment [can be accessed on DOSS free by logging in <a href="#">on this page</a> ]	J Adhes Dent 2016; 18(2): 125-134
Surface conditioning and bonding protocol for nanocomposite indirect restorations: how and why? [can be accessed on DOSS free by logging in <a href="#">on this page</a> ]	J Adhes Dent 2016; 18(1): 82
<a href="#">Color stainability of CAD/CAM and nanocomposite resin materials</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	J Prosthet Dent 2016; 115: 71-75



**COMPOSITES: NANOCOMPOSITES**

<a href="#">Novel rechargeable calcium phosphate dental nanocomposite</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	Dent Mater 2016; 32: 285-293
Bending properties of Ce-TZP/A nanocomposite clasps for removable partial dentures [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	Int J Prosthodont 2015; 28(2): 191-197
<a href="#">HRTEM observation of bonding interface between Ce-TZP/Al<sub>2</sub>O<sub>3</sub> nanocomposite and porcelain</a>	Dent Mater J 2014; 33 (4): 565-569
<a href="#">Effect of polishing systems on stain susceptibility and surface roughness of nanocomposite resin material</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	J Prosthet Dent 2014; 112(3): 625-631
<a href="#">Poly(methyl-methacrylate) nanocomposites with low silica addition</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	J Prosthet Dent 2014; (111): 327-334
<a href="#">Cyanoacrylate-POSS nanocomposites: novel adhesives with improved properties for dental applications</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	Dent Mater 2013; (29): e61-e69
<a href="#">Surface properties of dental nanocomposites after finishing with rigid rotary instruments</a>	Oper Dent 2013; 38 (5): 519-527
<a href="#">Novel calcium phosphate nanocomposite with caries-inhibition in a human in situ model</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	Dent Mater 2013; 29: 231-240
<a href="#">Effect of one-step polishing system on the color stability of nanocomposites</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	J Dent 2013; 41S: e53-e61
<a href="#">Remineralization of demineralized enamel via calcium phosphate nanocomposite</a>	J Dent Res 2012; 91: 979-984
<a href="#">The effects of finishing and polishing techniques on surface roughness and color stability of nanocomposites</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	J Dent 2012; 40S: e64-e70
<a href="#">Antibacterial nanocomposite with calcium phosphate and quaternary ammonium</a>	J Dent Res 2012; 91: 460-466
Fracture resistance of microhybrid composite, nano composite and fibre-reinforced composite used for incisal edge restoration [Accessible from the Wiley link <a href="#">on this page</a> ]	Dent Traumatol 2011; 27(3): 225-229
<a href="#">Effect of reduced exposure times on the microhardness of nanocomposites polymerized by QTH and second-generation LED curing lights</a>	Oper Dent 2011; 36: 98-103
<a href="#">Nanocomposite containing amorphous calcium phosphate nanoparticles for caries inhibition</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	Dent Mater 2011; 27: 762-769



## COMPOSITES: NANOCOMPOSITES

Effect of three indigenous food stains on resin-based, microhybrid-, and nanocomposites [Accessible from the Wiley link [on this page](#)]

[The roughness, microhardness, and surface analysis of nanocomposites after application of topical fluoride gels](#) [free to members on Science Direct. If you do not have a login email [library@bda.org](mailto:library@bda.org) to request one]

[Are nano-composites and nano-ionomers suitable for orthodontic bracket bonding?](#)

[Strong nanocomposites with Ca, PO\(4\), and F release for caries inhibition](#)

Effect of light-curing units on the thermal expansion of resin nanocomposites (request using <https://www.smartsurvey.co.uk/s/PJHMV/>)

[Effect of adhesives and thermocycling on the shear bond strength of a nano-composite to coronal and root dentin](#)

Effect of staining solutions on discoloration of resin nanocomposites (request using <https://www.smartsurvey.co.uk/s/PJHMV/>)

Novel ceria-stabilized tetragonal zirconia/alumina nanocomposite as framework for posterior fixed dental prostheses: preliminary results of a prospective case series at 1 year of function [can be accessed on DOSS free by logging in [on this page](#)]

[Novel CaF\(2\) nanocomposite with high strength and fluoride ion release](#)

[The influence of one-step polishing systems on the surface roughness and microhardness of nanocomposites](#)

[Color stability of nanocomposites polished with one-step systems](#)

Noncarious Class V lesions restored with a polyacid modified resin composite and a nanocomposite: a two-year clinical trial [can be accessed on DOSS free by logging in [on this page](#)]

[Repair potential of a laboratory-processed nano-hybrid resin composite](#)

[Comparative evaluation of shear bond strength of conventional composite resin and nanocomposite resin to sandblasted primary anterior stainless steel crown](#)

Physicochemical evaluation of low-shrinkage dental nanocomposites based on silsesquioxane cores [Accessible from the Wiley link [on this page](#)]

[Curing behavior of a nanocomposite as a function of polymerization procedure](#)

In vitro wear of nano-composite denture teeth [Accessible from the Wiley link [on this page](#)]

J Esthet Restor Dent 2011; 23(4): 250-259

Dent Mater 2011; 27: 187-196

Eur J Orthod 2010; 32: 78-82

J Dent Res 2010; 89: 19-28

Am J Dent 2010; 23: 331-334

Oper Dent 2010; 35: 522-529

Am J Dent 2010; 23: 39-42

Quintessence Int 2010; 41: 313-319

J Dent Res 2010; 89: 739-745

Oper Dent 2008; 33: 44-50

Oper Dent 2008; 33: 413-420

J Adhes Dent 2008; 10(5): 399-405

J Oral Sci 2008; 50 (4): 403-412

J Ind Soc Pedod Prev Dent 2007; 25: 82-85

Eur J Oral Sci 2007; 115: 230-238

Dent Mater J 2005; 24: 469-477

J Prosthodont 2004; 13(4): 238-243