

Compomers

[View the current Compomers InDepth page on BioPortfolio.com](http://www.bioportfolio.com/indepth/Compomers.html) (PDF)

(<http://www.bioportfolio.com/indepth/Compomers.html>) - Regularly Updated.

Recent Publications on Compomers:



- [Mechanical properties and three-body wear of dental restoratives and their comparative flowable materials.](#)
*Objective: To compare wear performance and resistance to crack propagation...*13th November, 2009
- Quintessence Int. 2010 Jan-Feb;41(1):e1-e10.
- [One-step self-etching adhesive polymerization: influence of a self-curing activator.](#)
*OBJECTIVES: The objectives of this work were to study the spatially...*5th November, 2009
Centro de Quimica Estrutural, Complexo Interdisciplinar, Instituto- J Dent. 2009 Aug;37(8):616-21.
Epub 2009 Apr 15. ([DOI Direct Link](#))
- [Setting reaction of polyacid modified composite resins or compomers.](#)
*The hardening of modified polyacid composite resins (compomers) and...*17th October, 2009
Unidad de Biofisica (Centro Mixto CSIC-UPV/EHU) and Departamento de- Open Dent J. 2009 Sep 16;3:197-201. ([DOI Direct Link](#))
- [The efficacy of a modified omega wire extension for the treatment of severely damaged primary anterior teeth.](#)
*OBJECTIVES: The restoration of the severely damaged anterior teeth is...*14th October, 2009
Department of Pediatric Dentistry, Tabriz University of Medical Sciences,- J Clin Pediatr Dent. 2009 Summer;33(4):283-8.
- [Influence of flowable materials on microleakage of nanofilled and hybrid Class II composite restorations with LED and QTH LCUs.](#)
*BACKGROUND: Class II composite restorations are more frequently being...*30th September, 2009
Department of Restorative Dentistry, Dental School, Rafsanjan University,- Indian J Dent Res. 2009 Apr-Jun;20(2):159-63. ([DOI Direct Link](#))
- [Shear bond strengths of molar tubes bonded with different adhesives.](#)
*AIMS: This study determined which molar base retentive designs produced...*29th September, 2009
Department of Orthodontics, Louisiana State University School of- Aust Orthod J. 2009 May;25(1):1-7.
- [Evaluation of different flowable materials for bonding brackets.](#)
*PURPOSE: To compare the shear bond strength and the adhesive remnant on...*29th September, 2009
Orthodontic Teaching Unit, Dental Clinic, The University of Murcia,- Am J Dent. 2009 Apr;22(2):111-4.
- [Effect of a bleaching agent on abrasion of resin-based restoratives.](#)
*PURPOSE: To evaluate the effect of a 10% carbamide peroxide-containing...*23rd September, 2009
Department of Restorative Dentistry, School of Dentistry of Ribeirao- Am J Dent. 2009 Jun;22(3):171-4.
- [The effect of flowable materials on the microleakage of Class II composite restorations that extend apical to the cemento-enamel junction.](#)

*This in vitro study investigated the effects of a thin layer of flowable...*16th September, 2009
Dept of Restorative Dentistry, Dental School, Rafsanjan University,- Oper Dent. 2009
May-Jun;34(3):306-11.

- [The potential of fluoride-releasing dental restoratives to inhibit enamel demineralization: an SEM study.](#)
(Full text is available at <http://www.manu.edu.mk/prilozi>). Objectives:...9th September, 2009
Pediatric and Preventive Dentistry Clinic, Faculty of Dental Medicine, Ss.- Prilozi. 2009
Jul;30(1):191-204.
- [Compressive strength of esthetic restorative materials polymerized with quartz-tungsten-halogen light and blue LED.](#)
*This study compared the compressive strength of a composite resin and...*25th August, 2009
Dental School, Federal University- Braz Dent J. 2009;20(1):54-7.
- [Comparative evaluation of fluoride release from PRG-composites and compomer on application of topical fluoride: an in-vitro study.](#)
*AIMS AND OBJECTIVE: To determine the fluoride release from Giomer and...*25th August, 2009
Department of Pedodontics & Preventive Dentistry, JSS Dental College and- J Indian Soc Pedod Prev Dent. 2009 Jan-Mar;27(1):27-32. ([DOI Direct Link](#))
- [The interaction of polyacid-modified composite resins \('compomers'\) with aqueous fluoride solutions.](#)
*OBJECTIVE: The aim of this study was to investigate how the release of...*19th August, 2009
School of Science, University of Greenwich, Chatham, United Kingdom.- J Appl Oral Sci. 2009
May-Jun;17(3):216-9.
- [Teaching approaches in South African dental schools: direct restorative procedures.](#)
*INTRODUCTION: Worldwide the use of amalgam has declined and...*6th August, 2009
Department of Operative Dentistry, School of Dentistry, University of- SADJ. 2009 Feb;64(1):16, 18-20.
- [In vitro antibacterial evaluation of flowable restorative materials.](#)
*OBJECTIVES: The microgap at the tooth-restoration interface is inevitable...*8th July, 2009
Department of Oral Rehabilitation, Maurice and Gabriela Goldschleger- Quintessence Int. 2009
Apr;40(4):327-32.

Compomers Patents:



- 6353040- [Dental composite restorative material and method of restoring a tooth](#)
- 6693143- [Dental materials having a nanoscale filler](#)
- 6696507- [Dental composite restorative material and method of restoring a tooth](#)
- 6703518- [Fluoride-releasing compositions](#)
- 6719834- [Polyelectrolyte cement](#)
- 6730715- [Dental restorative composition, dental restoration, and a method of use thereof](#)
- 6783366- [Method of finishing resin-based dental restorations](#)
- 6793489- [Automated tooth shade analysis and matching system](#)
- 6854974- [Device for restorative dentistry](#)
- 6902608- [Dental material containing phosphonic acids](#)
- 6916858- [Dental adhesive composition](#)
- 6659772- [Provisional restorations for human teeth and method](#)
- 6632853- [Dental composites containing hybrid fillers and process for their production](#)
- 6620859- [Methods of preparing polymerizable dental compositions with improved taste or aroma, and](#)

[that prevent oxygen-inhibited layer](#)

- 6362251- [Dental material comprising porous glass ceramics, porous glass ceramics, processes and use](#)
- 6399037- [Dental materials having a nanoscale filler](#)
- 6407148- [Metal-free dental filling system as a substitute for amalgam](#)
- 6419904- [Flavored tooth conditioning compositions and methods for using the compositions to condition a tooth surface](#)
- 6447907- [Spherical ionomer particles and production thereof](#)
- 6451292- [Methods for dentistry using compositions comprising an oil](#)
- 6479592- [Functionalized and polymerizable polymer](#)
- 6512068- [Adhesive composition and method for producing it](#)
- 6575752- [Tooth surface treatment composition and methods](#)
- 6592851- [Methods for dentistry using compositions comprising an oil](#)
- 6932599- [Irradiation unit](#)
- 6953535- [Initiator system for acid dental formulations](#)
- 7374420- [Multi-layer adhesives and methods for bonding orthodontic appliances to tooth structure](#)
- 7404714- [Method and apparatus for indirect bonding of orthodontic appliances](#)
- 7410357- [Method and apparatus for indirect bonding of orthodontic appliances](#)
- 7452205- [Orthodontic indirect bonding apparatus with occlusal positioning stop members](#)
- 7456232- [Use of branched polyacids in dental compounds](#)
- 7465758- [Dental compositions and methods with arylsulfinate salts](#)
- 7473096- [Orthodontic adhesive dispensing assembly](#)
- 7553362- [High strength biological cement composition and using the same](#)
- 7556496- [Method of making indirect bonding apparatus for orthodontic therapy](#)
- 7563095- [Computer-readable medium for automated tooth shade analysis and matching](#)
- 7320398- [Device for storing and dispensing a free-flowing substance and method of making and using the device](#)
- 7250452- [Dental compositions and methods with arylsulfinate salts](#)
- 7188421- [Orthodontic appliances having a contoured bonding surface](#)
- 6979702- [Ionomer composite compositions](#)
- 6997883- [Diagnostic apparatus for determining the remineralization ability of tissue](#)
- 7014462- [Method and instrument for introducing a dental synthetic resin into a tooth cavity](#)
- 7020963- [Method and apparatus for indirect bonding of orthodontic appliances](#)
- 7086528- [Device for storing and dispensing substances and method of making and using same](#)
- 7090720- [Use of bioactive glass in dental filling material](#)
- 7128246- [Slotted plunger](#)
- 7137812- [Apparatus for indirect bonding of orthodontic appliances and method of making the same](#)
- 7167742- [Utilization of an infrared probe to discriminate between materials](#)
- 7172066- [Device for storing and mixing pasty materials](#)
- 7582686- [Hydrolysis-stable monomers with acid groups](#)

Resources from the [NCBI](#) used in this document, [NCBI's standard disclaimer applies](#).

Nothing in this document should be used in place of personal medical advice from your own qualified medical practitioner. See BioPortfolio.com [User Agreement](#)

Send comments and feedback to:

Peter Barfoot Managing Director, BioPortfolio Ltd.

UK Tel: (+44) 1300 321501

USA Voicemail and Fax: (+1) 415 680 2472

[Peter Barfoot peter.barfoot@bioportfolio.com](mailto:peter.barfoot@bioportfolio.com)

All rights reserved. All other trademarks recognized.

BioPortfolio Limited is registered in England & Wales at Stafford House, 10 Prince of Wales Road,
Dorchester, Dorset, DT1 1PW, UK. No.3312883 VAT No. GB 744 6483 10

Copyright 1997-2009 - BioPortfolio Limited.

