

## Articles scientifiques

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### Produits dans l'unité de recherche

2022

109. Shindo K., Tapie L., Schmitt N., Vennat E. A Prototype CAE Tool for Mechanical Optimization of Dental CAD/CAM Process for All-ceramic Restoration. *Computer-aided design and applications*. 19(3), janvier 2022, 426-448

2021

108. Crenn M.J., Dubot P., Mimran E., Fromentin O., Lebon N., Peyre P. Influence of Anodized Titanium Surfaces on the Behavior of Gingival Cells in Contact with: A Systematic Review of In Vitro Studies. *Crystals* 2021, 11, 1566. doi.org/10.3390/cryst11121566 **IF 2.404**

107. Pacquet W., Tapie L., Mawussi B., Boitelle P., Volumetric and dimensional accuracy assessment of CAD-CAM-manufactured dental prostheses from different materials, *The Journal of Prosthetic Dentistry*, July 2021, **IF 2.444**

106. Pacquet W., Tapie L., Mawussi B., Boitelle P. Evaluation of the dimensional accuracy of a manufactured dental prosthesis in relation to its computer-aided model. *Int J Comput Dent*. 2020;23(4):335-342. **IF 1.436**

105. Lebon, N., Tapie, L. Milled Surface Integrity: Application to Fixed Dental Prosthesis. *Crystals* 2021, 11, 559. doi.org/10.3390/cryst11050559. **IF 2.404**

104. Rignon-Bret C., Wulfman C., Valet F., Hadida A., Nguyen TH., Aidan A., Naveau A. Radiographic evaluation of a bone substitute material in alveolar ridge preservation for maxillary removable immediate dentures: A randomized controlled trial. *J Prosthet Dent*. 2021. (Accepté) **IF 2,347**

103. Crenn M.J., Benoit A., Rohman J., Guilbert T., Fromenton O., Attal J.P., Bardet C. Selective Laser Melted Titanium Alloy for Transgingival Components: Influence of Surface Condition on Fibroblast Cell Behavior. *Journal of Prosthodontics*. February 2021 **IF 2.172**

102. Dupagne L., Tapie L., Lebon N., Mawussi B. Comparison of the acquisition accuracy and digitizing noise of 9 intraoral and extraoral scanners: An objective method. *The Journal of Prosthetic Dentistry*. February 14, 2021. **IF 2.444**

101. Vennat E., Hemmati A., Schmitt N., Aubry D. The role of lateral branches on effective stiffness and local overstresses in dentin. *Journal of the Mechanical Behavior of Biomedical Materials*. Jan 2021. DOI:10.1016/j.jmbbm.2021.104329. **IF 3.372**

2020

100. Aurélie Benoit, Hiba Issaoui, Nicolas Lebon. (2020) Impact of machining process on the flexural strength of CAD/CAM blocks for dental restorations, *Computer Methods in Biomechanics and Biomedical Engineering*, 23:sup1, S31-S32. **IF 1.502**

99. Lemarteleur V., Fouquet V., Le Goff S., Tapie L., Morenton P., Benoit A., Vennat E., Zamansky B., Guilbert T., Depil-Duval A., Gaultier A.L., Tavitian B., Plaisance P., Tharaux P.L., Ceccaldi P.F., Attal J.P., Dursun E. 3D-printed protected face shields for

healthcare workers in Covid-19 pandemic. American Journal of Infection Control. Aout 2020. DOI:10.1016/j.ajic.2020.08.005. **IF 2.294**

98. Sapoval M., Gaultier A.L., Del Giudice C., Pellerin O., Kassis-Chikhani N., Lemarteleur V., Fouquet V., Tapie L., Morenton P., Tavitian B., Attal J.P. 3D-printed face protective shield in interventional radiology: evaluation of an immediate solution in the era of COVID-19 pandemic. Diagnostic and Interventional Imaging. 2020 <https://doi.org/10.1016/j.diii.2020.04.004> **IF 2.486**

97. Lebon N., Tapie L., Vennat E. Influence of milling tool and prosthetic materials on roughness of the dental CAD CAM prostheses in end milling mode. Applied Sciences. 10(7), 2238; 2020 **IF 2.217**

96. Lagarde M, Vennat E, Attal JP, Dursun E, Strategies to optimise bonding of adhesive materials to MolarIncisor Hypomineralizationaffected enamel: a systematic review. Inter J of Paediatric Dentistry ; Jan 2020 **IF 2.057**

## 2019

95. Koenig V, Wulfman C, Dupont N, Bekaert S, Le Goff S, Eldafrawy M, Vanheusden A, Mainjot A. Clinical behaviour of second-generation zirconia monolithic restorations: a prospective study with ex vivo analyses. J Dent. nov 2019. (Accepté) **IF 3.280**

94. Lopez-cazaux S, Aiem E, Velly AM, Muller-Bolla M. Preformed pediatric zirconia crown versus preformed pediatric metal crown: study protocol for a randomized clinical trial. Trials 2019 ; 20(1) : 530. **IF 1.975**

93. Keys T, Burrow MF, Rajan SV, Rompre P, Doméjean S, Muller-Bolla M, Manton DJ. Carious lesion management in children and adolescents by Australian dentists. Aust Dent J 2019 ; 64(3) :282-292. **IF 1.282**

92. Smail-Faugeron V, Muller-Bolla M, Sixou JL, Courson F. Combined split-mouth and parallel-arm trial: results of evaluation of intraosseous versus conventional infiltration anesthesia in pediatric oral health care. International Journal of Paediatric Dentistry 2019 ;29(5):573-584. **IF 2.057**

91. Wulfman C, Naveau A, Rignon-Bret C. Digital scanning for complete arch implant-supported restorations: a systematic review. J Prosthet Dent. 2019. (Accepté) **IF 2,347**

90. Naveau A, Rignon-Bret C, Wulfman C. Zirconia abutments in the anterior region: a systematic review of mechanical and esthetic outcomes. J Prosthet Dent. 2019 ;121(5) : 775-781.e1 **IF 2,347**

89. Grégoire G, Ahmed Y, Favaretto A, Lacomblet MP, Destruhaut F. Sealing performance of a universal adhesive in the root canal: evaluation at six and twelve months. Oral Health and Care. Vol 4. 2019 **IF 1.81**

88. Aguila M, Benichou M, Hennequin A, Grégoire G, Destruhaut F .Temporomandibular disorders and benefits of a cervical therapeutic approach in facial myalgia treatment: A review of the literature. Oral Health and Care.Vol 4. 2019. **IF 1.81**

87. Grégoire G., Sharrock P., Lacomblet M-P., Tavernier B., Destruhaut F. Evaluation of a self-etch primer containing acrylophosphonic acid and HEMA monomers on human dentin.Oral Health and Care. Vol 4. 2019. **IF 1.81**

86. Grégoire, G., Poulet P-P., Sharrock P., Destruhaut F., Tavernier B. Hydrofluoric acid etching versus self-etching glass ceramic primer: consequences on the interface with resin cements. Oral Health and Care. Vol 4. 2019. **IF 1.81**

85. Rohman, G., Languet, C., Ramtani, S., Lataillade, J. J., Lutomski, D., Senni, K., & Changotade, S. The Use of Platelet-Rich Plasma to Promote Cell Recruitment into Low-Molecular-Weight Fucoidan-Functionalized Poly (Ester-Urea-Urethane) Scaffolds for Soft-Tissue Engineering. Polymers, 11(6), 1016. 2019. **IF 3.164**

84. Lebon N, Tapie L, Vennat E, Mawussi B. A Computer-Aided Tool to Predict Dental Crown Prosthesis Surface Integrity

after Milling. Computer-aided design and applications. 2019. 16(5), 894-903 doi: 10.14733/cadaps.2019.894-903

83. Rignon-Bret C, Wulfman C, Hadida A, Renouard F, Gourraud PA, Naveau A. Immediate loading of two unsplinted implants in edentulous patients with mandibular overdenture : a ten-year prospective study. The International Journal of Oral and Maxillofacial Implants. 2019; 34(1). **IF 1.699**

82. de Albuquerque RF Jr, Fromentin O, Lassauzay C, Conceição Pereira Saraiva MD. Patient satisfaction versus retention of implant overdentures with two attachment systems: A randomized trial. Clin Implant Dent Relat Res. 2019 Feb;21(1):21-31. **IF 3.097**

81. Lagarde M, Francois P, Le Goff S, Attal JP, Dursun E. Structural and long-term mechanical properties from a resin-modified glass ionomer cement after various delays of light-activation. 2018. Dental materials journal, 2017-342. **IF 1.205**

80. Naveau A, Rignon-Bret C, Wulfman C. Zirconia abutment in the anterior region : a systematic review of mechanical and esthetical outcomes. Journal of Prosthetic Dentistry. JPD-S-18\_00782. 2018. **IF 2.347**

79. Pacquet W, Benoit A, Hatège-Kimana C, Wulfman C. Mechanical properties of CAD/CAM denture base resins. The International Journal of Prosthodontics. 2019; 32(1):104-106. **IF 1.33**

## **2018**

78. Crenn M-J, Benoit A, Attal J-P, Fromentin O. Comparison of mechanical properties of CAD/CAM milled and selective laser melted Ti6Al4V for dental superstructures. The International Journal of Prosthodontics. 2018; 31(6):591-593. DOI: 10.11607/ijp.5885 **IF 1.33**

77. Muller-Bolla M, Courson F, Lupi-Pégurier, Tardieu C, Mohit S, Staccini P, Velly AM. Sealant effectiveness according to dental material: Multicentric 2-year split-mouth randomized clinical trial. Caries Research. 2018; 52:312–322 (DOI:10.1159/000486426) **IF 2.188**

76. Featherstone JDB, Muller-Bolla M, Doméjean S. Caries Preventive Therapy. Clinical Dentistry Reviewed. 2018; 2(1) 14.

75. Koenig V, Wulfman C, Dupont N, Bekaert S, Le Goff S, Eldafrawy M, Martin G, Vandeusden A, Mainjot A. In Vivo Low Thermal Degradation of Monolithic Zirconia Restorations. Journal of Dental Research. 2018. **IF 4.602**

74. Wulfman C, Koenig V, Mainjot AK. Wear measurement of dental tissues and materials in clinical studies: A systematic review. Dental Materials. 2018;34: 825-850. **IF 4.07**

73. Dursun E, Monnier-Da Costa A, Moussally C, Chairsides CAD/CAM Composite Onlays for the Restoration Of Primary Molars. The Journal of clinical pediatric dentistry. 2018; 42(5): 349-354. DOI 10.17796/1053-4625-42.5.5. **IF 0.775**

72. Smaïl-Faugeron V, Glenney AM, Courson F, Durieux P, Muller-Bolla M, Fron Chabouis H. Pulp treatment for extensive decay in primary teeth. Cochrane Database of Systematic Reviews. 2018 (5); DOI: 10.1002/14651858.CD003220.pub3. **IF 6.124**

71. Boitelle P, Tapie L, Mawussi B, Fromentin O. Evaluation of the marginal adaptation of CAD-CAM Zirconia copings - Comparison of 2D and 3D measurements methods. J Prosth Dent. 2018;119(1): 75-81. **IF 1.753**

70. Muller-Bolla M, Courson F, Lupi-Pégurier L, Tardieu C, Mohit S, Staccini P, Velly AM. Effectiveness of Resin-Based Sealants with and without Fluoride Placed in a High Caries Risk Population: Multicentric 2-Year Randomized Clinical Trial. Caries Research. Mars 2018; 1;52(4): 312-322. doi: 10.1159/000486426. **IF 1.811**

69. Koenig V, Wulfman C, Dupont N, Bekaert S, Le Goff S, Eldafrawy M, Martin G, Vandeusden A, Mainjot A. Low Thermal Degradation of monolithic zirconia dental prostheses: 1-yr results of a prospective clinical study with ex vivo analyses.

## 2017

68. Wulfman C, Koenig V, Dupont N., Bekaert S, Le Goff S, Eldafrawy M, Martin G, Vanheusden A, Mainjot A. In vivo low thermal degradation of monolithic zirconia restorations. *Dental Materials*. 2017; 33: e86. **IF 4.07**
67. Vennat E, Wang W, Genthial R, David B, Dursun E, Débarre D, Gourrier A. Mesoscale porosity at the dentin-enamel junction could affect the biomechanical properties of teeth. *Acta Biomaterialia*. 2017;51:418-32. **IF 6.319**
66. Mahdhaoui K, Fournier B, Derbanne MA. Unbound monomers do diffuse through the dentin barrier. *Dental Materials*. 2017; **IF 4.07**
65. Muller-Bolla M, Joseph C, Pisapia M, Tramini P, Velly AM, Tassery H. Performance of a recent light fluorescence device for detection of occlusal carious lesions in children and adolescents. *European Archives of Paediatric Dentistry*. 2017 Mar; 29. doi:10.1007/s40368-017-0285-9.

## 2016

64. Tapie L, Chiche N, Boitelle P, Morenton P, Attal JP, Schmitt N, Vennat E. Adaptation measurement of CAD/CAM dental crowns with X-ray micro-CT : metrological chain standardization and 3D gap size distribution. *Advances in Materials Science and Engineering*. 2016; ID 7963928, 13 p. **IF 1.01**
63. Koenig V, Wulfman C, Derbanne, M, Dupont N, Le Goff S, Tang, ML, Seidel L, Dewael T, Van Heusden A, Mainjot, AK. Aging of monolithic zirconia dental prostheses: Protocol for a 5-year prospective clinical study using ex vivo analyses. *Contemporary clinical trials communications* 4; 2016: 25-32. **IF 1.44**
62. Dursun, E., Nguyen, JF., Tang, ML., Attal, JP., & Sadoun, M. HEMA release and degree of conversion from a resin-modified glass ionomer cement after various delays of light activation. *Dental Materials*. 2016;32(5):640-645. **IF 4.07**
61. Rignon-Bret C, Hadida A, Aidan A, Nguyen TH, Pasquet G, Fron-Chabouis H, Wulfman C. Efficacy of bone substitute material in preserving volume when placing a maxillary immediate complete denture: study protocol for the PANORAMIX randomized controlled trial. *Trials*. 2016;17(1):255. **IF 1.969**
60. Villat C, Attal JP, Brulat N, Decup F, Doméjean S, Dursun E, Fron-Chabouis H, Jacquot B, Muller Bolla M, Plasse-Pradelle N, Roche L, Maucourt-Boulch D, Nony P, Gritsch K, Millet P, Gueyffier F, Grosogoeat B. One-step partial or complete caries removal and bonding with antibacterial or traditional self-etch adhesives: study protocol for a randomized controlled trial. *Trials*. 2016;17:404. **IF 1.969**
59. Bardet C, Courson F, Wu Y, Khaddam M, Salmon B, Ribes S, Thumfart J, Yamaguti PM, Rochefort GY, Figueres ML, Breiderhoff T, Garcia-Castaño A, Vallée B, Le Denmat D, Baroukh B, Guilbert T, Schmitt A, Massé JM, Bazin D, Lorenz G, Morawietz M, Hou J, Carvalho-Lobato P, Manzanares MC, Fricain JC, Talmud D, Demontis R, Neves F, Zenaty D, Berdal A, Kiesow A, Petzold M, Menashi S, Linglart A, Acevedo AC, Vargas-Poussou R, Müller D, Houillier P, Chaussain C. Claudin-16 Deficiency Impairs Tight Junction Function in Ameloblasts, Leading to Abnormal Enamel Formation. *J Bone Miner Res*. 2016;31(3):498-513. **IF 6.284**
58. Muller-Bolla M., Pierre A., Lupi-Pegurier L., & Velly AM. Effectiveness of school-based dental sealant programs among children from low-income backgrounds: a pragmatic randomized clinical trial with a follow-up of 3 years. *Community Dent Oral Epidemiol*. 2016;44(5):504-511. **IF 2.302**
57. Tassin M., Bonte E., Loison-Robert L. S., Nassif A., Berbar T., Le Goff S., Berdal A., Sadoun M., & Fournier B. P. J., Effects of High-Temperature-Pressure Polymerized Resin-Infiltrated Ceramic Networks on Oral Stem Cells. *PLoS One*. 2016; 11(5) e0155450. **IF 2.086**

56. Koenig V, Wulfman C, Derbanne M, Dupont N, Le Goff S, Tang ML, Seidel L, Dewael T, Vanheusden A, Mainjot A. Aging of monolithic zirconia dental prostheses: Protocol for a 5-year prospective clinical study using ex vivo analyses. *Contemporary Clinical Trials Communications*. 2016; 4:25-32.
55. Grégoire G, Sharrock P, Prigent Y. Performance of a universal adhesive on etched and non-etched surfaces: Do the results match the expectations? *Mater Sci Eng C Mater Biol Appl*. 2016;66:199-205. **IF 3.094**
54. Jee SE, Zhou J, Tan J, Breschi L, Tay FR, Grégoire G, Pashley DH, Jang SS. Investigation of ethanol infiltration into demineralized dentin collagen fibrils using molecular dynamics simulations. *Acta Biomater*. 2016;36:175-185. **IF 6.319**
53. Chiba A, Zhou J, Nakajima M, Tan J, Tagami J, Scheffel D, Hebling J, Agee KA, Breschi L, Grégoire G, Jang SS, Tay FR, Pashley DH. The effects of ethanol on the size-exclusion characteristics of type I dentin collagen to adhesive resin monomers. *Acta Biomater*. 2016;33:235-41. **IF 6.319**
52. Prasad MK, Geoffroy V, Vicaire S, Jost B, Dumas M, Le Gras S, Switala M, Gasse B, Laugel-Haushalter V, Paschaki M, Leheup B, Droz D, Dalstein A, Loing A, Grollemund B, Muller-Bolla M, Lopez-Cazaux S, Minoux M, Jung S, Obry F, Vogt V, Davideau JL, Davit-Beal T, Kaiser AS, Moog U, Richard B, Morrier JJ, Duprez JP, Odent S, Bailleul-Forestier I, Rousset MM, Merametdijan L, Toutain A, Joseph C, Giuliano F, Dahlet JC, Courval A, El Alloussi M, Laouina S, Soskin S, Guffon N, Dieux A, Doray B, Feierabend S, Ginglinger E, Fournier B, de la Dure Molla M, Alembik Y, Tardieu C, Clauss F, Berdal A, Stoetzel C, Manière MC, Dollfus H, Bloch-Zupan A. A targeted next-generation sequencing assay for the molecular diagnosis of genetic disorders with orodental involvement. *Journal of medical genetics*. 2016; 53.2: 98-1. **IF 5.451**
51. Costenoble A, Vennat E, Attal JP, Dursun E. Bond strength and interfacial morphology of orthodontic brackets, bonded to eroded enamel treated with calcium silicate-sodium phosphate salts or resin infiltration. *Angle Orthodontist* 2016; 86(6):909-916. **IF 1.366**
50. Dursun E, Fron Chabouis H, Attal JP, Raskin A. Bisphenol A release: survey of the composition of resin composites. *The Open Dentistry Journal*. 2016;10:446-53.
49. N. Lebon, L. Tapie, F. Duret, JP. Attal. Understanding dental CAD/CAM for restorations: dental milling machines from a mechanical engineering viewpoint Part B : Labside milling machines, *International Journal of Computerized Dentistry*, 2016;19(2):115-134. **IF 1.436**
48. N. Lebon, L. Tapie, F. Duret, JP. Attal. Understanding dental CAD/CAM for restorations: dental milling machines from a mechanical engineering viewpoint Part A : Chairside milling machines, *International Journal of Computerized Dentistry*, 2016;19(1):45-62 **IF 1.436**
47. P. Boitelle, L. Tapie, B. Mawussi, O. Fromentin. 3D fitting accuracy evaluation of CAD-CAM copings – Comparison with spacer design settings., *International Journal of Computerized Dentistry*, 2016;19(1):27-43. **IF 1.436**
46. Besse, V., Derbanne MA., Pham, T.-N., Cook, W. D., & Le Pluart, L. Photopolymerization study and adhesive properties of self-etch adhesives containing bis(acryl)phosphine oxide initiator. *Dental Materials*. 2016;32; 4:561-569. **IF 4.07**
45. Schossing A, Bloch-Zupan A, Lussi A, Wolf N, Raskin S, Cohen M, Giuliano F, Jurgens J, Krabichler J, Koolen D, de Macena Sobreira NL, Maurer E, Muller-Bolla M, Penzien J, Zschocke J, Kapferer-Seebacher I. SLC13A5 is the second gene associated with Kohlschütter-Tönz syndrome. *Journal of Medical Genetics*, 2016;0:1-9 **IF 5.451**

## 2015

44. Tapie L, Lebon N, Mawussi B, Fron Chabouis H, Duret F, Attal JP. Understanding dental CAD/CAM for restorations-the digital workflow from a mechanical engineering viewpoint. *International Journal of Computerized Dentistry*. 2015 18(1):21-44. **IF 1.436**

43. Tapie L, Lebon N, Mawussi B, Fron-Chabouis H, Duret F, Attal JP. Understanding dental CAD/CAM for restorations-accuracy from a mechanical engineering viewpoint. *International Journal of Computerized Dentistry*. 2015;18(4):343-67. **IF 1.436**
42. Vennat E, Denis M, David B, Attal JP. A natural biomimetic porous medium mimicking hypomineralized enamel. *Dental Materials*. 2015;31(3): 225-234. **IF 4.07**
41. Kup E, Tirlet G, Attal JP. The scalpel finishing technique: a tooth-friendly way to finish dental composites in anterior teeth. *International Journal of Esthetic Dentistry*. 2015;10(2):22845.
40. Mainjot AK, Najjar A, Jakubowicz-Kohen B, Sadoun M. Influence of thermal expansion mismatch on residual stress profile in veneering ceramic layered on zirconia: Measurement by hole-drilling. *Dental Materials*. 2015;31(9):1142-1149. **IF 4.07**
39. Phan AC., Béhin P., Stoclet G., Ruse ND., Nguyen JF., Sadoun M. Optimum pressure for the high-pressure polymerization of urethane dimethacrylate. *Dental Materials*. 2015; 31(4):406-412. **IF 4.07**
38. Lebon N., Tapie L., Vennat E., Mawussi B. Influence of CAD/CAM tool and material on tool wear and roughness of dental prostheses after milling. *The Journal of prosthetic dentistry*. 2015;114(2):236-247. **IF 2.095**
37. Melo R. M., Souza R. O. A., Dursun E., Monteiro, E. B. C., Valandro, L. F., & Bottino, M. A. Surface Treatments of Zirconia to Enhance Bonding Durability. *Operative dentistry*. 2015;40(6):636-643. **IF 2.893**
36. Smail-Faugeron V, Fron Chabouis H, Durieux P. Clinical trial registration in oral-health journals. *Journal of Dental Research*. 2015; 94(3 suppl), 8S-13S. **IF 4.755**
35. Smail-Faugeron V, Muller-Bolla M, Sixou JL, Courson F. Split-mouth and parallel-arm trials to compare pain with intraosseous anaesthesia delivered by the computerised Quick sleeper system and conventional infiltration anaesthesia in paediatric oral healthcare: protocol for a randomised controlled trial. *BMJ Open*. 2015 Jul 10;5(7):e007724. **IF 2.369**
34. Muller-Bolla M, Courson F, Smail-Faugeron V, Bernardin T, Lupi-Pégurier L. Dental erosion in French adolescents. *BMC Oral Health*. 2015 Nov 19; 15:147. **IF 1.481**
33. Opsahl-Vital S, Gaucher C, Bardet C, Courson F, Linglart A, Chaussain C. Diseases revealed by the mouth. *Arch Pediatr*. 2015 May; 22(5 Suppl 1):151-2. **IF 0.372**

## 2014

32. Mainjot AK., Najjar A., Jakubowicz-Kohen B., Sadoun M. Thermal mismatch influence on residual stress in veneer on zirconia. *Dental Materials*, 2014, vol. 30, p. e4. **IF 4.07**
31. Wulfman C., Djaker N., Sadoun M., & Lamy de la Chapelle M. 3YTZP InDepth Phase Transformation by Raman Spectroscopy: A Comparison of Three Methods. *Journal of the American Ceramic Society*. 2014;97(7):2233-2240. **IF 2.841**
30. Vennat E, Attal JP, Aubry D, Degrange M. Three-dimensional pore-scale modelling of dentinal infiltration. *Comput Methods Biomech Biomed Engin*. 2014;17(6):63242. **IF 1.909**
29. Ruse ND., Sadoun M., Resin-composite Blocks for Dental CAD/CAM Applications, *Journal of Dental Research*, 2014;93:1232-1234. **IF 4.755**
28. Béhin P., Stoclet G., Ruse ND., Sadoun M., Dynamic mechanical analysis of high pressure polymerized urethane dimethacrylate, *Dental Materials*. 2014;30:728-734. **IF 4.07**
27. Schittly E., Le Goff S., Besnau C., Sadoun M., Ruse N., Effect of water storage on the flexural strength of four self-etching

adhesive resin cements and on the dentin-titanium shear bond strength mediated by them, *Operative Dentistry*. 2014; 39:171-177. **IF 2.893**

26. Phan AC., TangML., Nguyen JF., Ruse ND., Sadoun M., High-temperature high-pressure polymerized urethane dimethacrylate-mechanical properties and monomer release, *Dental Materials*, 2014;30:350-356. **IF 4.07**

25. Jakubowicz-Kohen BD, Sadoun MJ, Douillard T, Mainjot AK, Influence of firing time and framework thickness on veneered Y-TZP discs curvature, *Dental Materials*. 2014;30:242-248. **IF 4.07**

24. Fukushima KA., Sadoun MJ., Cesar PF., Mainjot AK., Residual stress profiles in veneering ceramic on Y-TZP, alumina and ZTA frameworks: measurement byhole-drilling, *Dental Materials*, 2014;30:242-249. **IF 4.07**

23. Nguyen JF.,Ruse D., Phan AC., Sadoun MJ., High-temperature-pressure polymerized resin-infiltrated ceramic networks, *Journal of Dental Research*, 2014;93:242-250, 2014. **IF 4.755**

22. Derbanne M.,Zulauf A., Le Goff S., Pfund E., Sadoun M., Pham TN., Lequeux T., Fluorophosphonylated Monomers for Dental Applications, *Organic Process Research & Development*, 2014;18(8):1010-1019. **IF 2.857**

21. Derbanne M.,Besse V., Le Goff S., Sadoun M., Pham TN., The effect offunctional monomer chain spacer length on the bond strength of an experimentaldental adhesive, *International Journal of Adhesion and Adhesives*, 2014; 55 :95-105. **IF 2.211**

20. Attal JP., Atlan A., Denis M., Vennat E., Tirlet G., White spots on enamel: Treatment protocol by superficial or deep infiltration (part 2), *International Orthodontics*, 2014;12(1):1-31.

19. Tang ML, Nguyen JF, Sadoun M, Ruse N.D. HPLC analysis of monomer release from conventionally and high temperature high-pressure polymerised urethanedimethacrylate intended for biomedical applications. *Journal of Chromatography & Separation Techniques*, 2014, vol. 2014.

18. Fron Chabouis H, Chabouis F, Gillaizeau F, Durieux P, Chatellier G, Ruse DN, Attal JP. Randomization in clinical trials:stratification or minimization? The HERMES free simulation software. *Clinical Oral Investigations*. 2014;18(1):25-34.**IF 2.308**

17. Noureddine A, Fron Chabouis H, Parenton S, Lasserre JF. Laypersons' esthetic perception of various computer-generated diastemas :a pilot study. *Journal of Prosthetic Dentistry*. 2014;112(4),914-920. **IF 2.095**

16. Chaussain C, Bouazza N, Gasse B, Lafont AG, Grabar S, Opsahl Vital S, Davit-Béal T, Moulis E, Chabadel O, Hennequin M, Courson F, Droz D, Vaysse F, Laboux O, Tassery H, Carel JC, Alcais A, Treluyer JM, Beldjord C, Sire JY. Dental caries and ENAM haplotype in French population. *Journal of Dental Research*. 2014;93(4):360-5. **IF 4.755**

15. Smail-Faugeron V, Fron Chabouis H, Courson F, Durieux P, Trinquart L. Comparison of intervention effects in split-mouthand parallel-arm randomized controlled trials: a meta-epidemiological study. *BMC Medical Research Methodology*. 2014;4(1):64. **IF 3.295**

## **2013**

14. Smaïl-Faugeron V, Fron Chabouis H, Durieux P, Attal JP, Muller-Bolla M, Courson F. Development of a core set of outcomes for randomized controlled trials with multiple outcomes- example of pulp treatments of primary teeth for extensive decay in children. *PLoS One*. 2013;8(1):e51908. **IF 2.806**

13. Tirlet G, Fron Chabouis H, Attal JP. Infiltration, a new therapy for masking enamel white spots: a 19-month follow-up case series. *European Journal of Esthetic Dentistry*. 2013; Summer;8(2).

12. Fron Chabouis H, Prot C, Cazier S, Moussally C, Fonteneau C, Gaucher A, Nasr K, Chabreron O, Ben Jaballah I, Boyer R, Leforestier JF, Caumont Prim A, Chemla F, Maman L, Nabet C, Attal JP. Efficacy of composite versus ceramic inlays and onlays: protocol of the CECOIA randomized controlled trial. *Trials*. 2013;14(1):278. **IF 1.969**
11. Denis M., Atlan A., Vennat E., Tirlet G., Attal JP., White defects on enamel: Diagnosis and anatomopathology, two essential factors for proper treatment (Part 1), *International Orthodontics*, 2013; 11(2):139-165.
10. Gasse B., Grabar S., Lafont AG., Quinquis L., Opsahl Vital S., Davit-Béal T., Moulis E., Chabadel O., Hennequin M., Courson F., Droz D., Vaysse F., Laboux O., Tassery H., Al-Hashimi N., Boillot A., Carel JC., Treluyer JM., Jean pierre M., Beldjord C., Sire JY., Chaussain C., Common SNPs of AmelogeninX (AMELX) and dental caries susceptibility, *Journal of Dental Research*, 2013;92(5):418-424. **IF 4.755**
9. Smaïl-Faugeron V., Courson F., Arrêto CD., Assessment and management of chronic orofacial pain associated with a disease in children: a multidisciplinary approach, *Acta Paediatrica*, 2013;102(8):778-786. **IF 2.043**
8. MullerBolla M., L.LupiPégurier, H. Bardakjian, AM. Velly, Effectiveness of schoolbased dental sealant programs among children from lowincome backgrounds in France: a pragmatic randomized clinical trial, *Community dentistry and oral epidemiology*, 2013;41(3):232-241. **IF 2.302**
7. Dursun E., LeGoff S., Ruse DN., Attal JP. Effect of chlorhexidine application on the long-term shear bond strength to dentin of a resin-modified glass ionomer. *Operative dentistry*. 2013 ;38(3) :275-281. **IF 2.893**
6. Tapie L., Mawussi B., Rubio W., Furet B.. Machining of complex shaped parts with guidance curves. *The International Journal of Advanced Manufacturing Technology*. 2013;69 (5), pp.1499-1509.
5. Nguyen JF., Migonney V., Ruse ND., Sadoun M., Properties of experimental urethanedimethacrylate-based dental resin composite blocks obtained via thermo-polymerization under high pressure, *Dental Materials*, 2013;29(5):535-541. **IF 4.07**
4. Mainjot A., Douillard T., Grémillard A., Sadoun M., Chevalier J., 3D-Characterization of the veneer-zirconia interface using FIB nano-tomography, *Dental Materials*, 2013;29(2):157-165. **IF 4.07**
3. Djaker N., Wulfman C., Sadoun M., Lamy de la Chapelle M., Zirconiadental implants degradation by confocal Raman microspectroscopy analytical simulation and experiments, *Biomedical optics express*, 2013;4(5):725-731. **IF 3.337**
2. Koenig V, Vanheusden AJ., Le Goff S., Mainjot A., Clinical risk factors related to failures with zirconia-based restorations: an up to 9-year retrospective study, *Journal of Dentistry*. 2013;41(12):1164-1174. **IF 3.456**
1. Derbanne M., Besse V., Le Goff S., Sadoun M., Pham TN., Hydrolytically stable acidic monomers used in two steps self-etch adhesives, *Polymer Degradation and Stability*. 2013;(9):688-1698. **IF 3.386**

## Produits dans les unités de recherche d'origine des membres

7. Ibru T, Violante S, Vennat E, Arson C, Antoniou A. Structure and mechanical behavior of dentin-inspired nanoporous copper. *Scripta Materialia*. February 2020, 176: 99-103 **IF 3.747**
6. Mustafy T, Arnoux P-J, Benoit A, Bianco R-J, Aubin C-E, Villemure I. Load-Sharing Biomechanics at the Thoracolumbar Junction under Dynamic Loadings Are Modified by Anatomical Features in Adolescent and Pediatric vs Adult Functional Spinal Units. *Journal of the Mechanical Behavior of Biomedical Materials*. 2018;88:78-91. **IF 3.11**
5. Benoit A, Mustafy, T, Aubin C-E, Grimard G, Villemure I. In vivo dynamic compression has less detrimental effect than static compression on newly formed bone of a rat caudal vertebra than static compression. *J Musculoskelet Neuronal Interact*. 2016;3:211-220. **IF 1.489**



4. Benoit A, Latour G, Schanne-Klein M-C, Allain J-M. Simultaneous microstructural and mechanical characterization of human corneas at increasing pressure. *Journal of the Mechanical Behavior of Biomedical Materials*. 2016;60:93-105. **IF 3.11**
3. Agee KA, Prakki A, Abu-Haimed T, Naguib GH, Nawareg MA, Tezvergil-Mutluay A, Scheffel DL, Chen C, Jang SS, Hwang H, Brackett M, Grégoire G, Tay FR, Breschi L, Pashley DH. Water distribution in dentin matrices: Bound vs. unbound water. *Dental Materials*. 2015;31(3):205-216. **IF 4.07**
2. Grégoire G, Sharrock P, Delannée M, Delisle M-B. Depletion of water molecules during ethanol wetbonding with etch and rinse dental adhesives. *Mater Sci Eng C Mater Biol Appl*. 2013;33(1):21-27. **IF 3.094**
1. Delannée M, Grégoire G, Vergnes JN, Sharrock P. Fluid flow through dentine-self-etch resin interface during long term in vitro aging. *Mater Sci Eng C Mater Biol Appl*. 2013;33(7):3711-3715. **IF 3.094**