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Jury Memberships

Expertise In Medicine, Expertise In Medicine, Aydın Adnan Menderes Üniversitesi, January, 2024

Expertise In Medicine, Expertise In Medicine, Aydın Adnan Menderes Üniversitesi, October, 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **In vitro Study of the Role of Human Neutrophil Enzymes on Root Caries Progression**
Zamperini C. A., Aydin B., Sroussi H. Y., Bedran-Russo A. K.
CARIES RESEARCH, vol.55, no.2, pp.99-107, 2021 (SCI-Expanded)
- II. **Dimeric Proanthocyanidins on the Stability of Dentin and Adhesive Biointerfaces**
Leme-Kraus A. A., Phansalkar R. S., dos Reis M. C., Aydin B., Sousa A. B. S., Alania Y., McAlpine J., Chen S. N., Pauli G. F., Bedran-Russo A. K.
JOURNAL OF DENTAL RESEARCH, vol.99, no.2, pp.175-181, 2020 (SCI-Expanded)
- III. **Evidence to the role of interflavan linkages and galloylation of proanthocyanidins at sustaining long-term dentin biomodification**
Aydin B., Leme-Kraus A. A., Vidal C. M. P., Aguiar T. R., Phansalkar R. S., Nam J., McAlpine J. B., Chen S., Pauli G. F., Bedran-Russo A. K.
DENTAL MATERIALS, vol.35, no.2, pp.328-334, 2019 (SCI-Expanded)
- IV. **Long-term evaluation of the stability of dentin matrix following treatments with aqueous solutions of titanium tetrafluoride at different concentrations**
Bridi E. C., Leme-Kraus A. A., Aydin B., Basting R. T., Bedran-Russo A. K.
ARCHIVES OF ORAL BIOLOGY, vol.91, pp.51-56, 2018 (SCI-Expanded)
- V. **Centrifugal partition chromatography enables selective enrichment of trimeric and tetrameric proanthocyanidins for biomaterial development**
Phansalkar R. S., Nam J., Chen S., McAlpine J. B., Leme A. A., Aydin B., Bedran-Russo A., Pauli G. F.
JOURNAL OF CHROMATOGRAPHY A, vol.1535, pp.55-62, 2018 (SCI-Expanded)
- VI. **The effect of ultrasonically activated irrigation and laser based root canal irrigation methods on debris removal**
Kamaci A., Aydin B., Erdilek N.
INTERNATIONAL JOURNAL OF ARTIFICIAL ORGANS, vol.41, no.2, pp.71-75, 2018 (SCI-Expanded)
- VII. **Encapsulation of grape seed extract in polylactide microcapsules for sustained bioactivity and time-dependent release in dental material applications**
Yourdkhani M., Leme-Kraus A. A., Aydin B., Bedran-Russo A. K., White S. R.
DENTAL MATERIALS, vol.33, no.6, pp.630-636, 2017 (SCI-Expanded)

- VIII. **Biostability of the Proanthocyanidins-Dentin Complex and Adhesion Studies**
Leme-Kraus A. A., Aydin B., Vidal C. M. P., Phansalkar R. M., Nam J. W., McAlpine J., Pauli G. F., Chen S., Bedran-Russo A. K.
JOURNAL OF DENTAL RESEARCH, vol.96, no.4, pp.430-436, 2017 (SCI-Expanded)
- IX. **Collagen-collagen interactions mediated by plant-derived proanthocyanidins: A spectroscopic and atomic force microscopy study**
Vidal C. M. P., Zhu W., Manohar S., Aydin B., Keiderling T. A., Messersmith P. B., Bedran-Russo A. K.
ACTA BIOMATERIALIA, vol.41, pp.110-118, 2016 (SCI-Expanded)
- X. **Assessing Collagen and Micro-permeability at the Proanthocyanidin-treated Resin-Dentin Interface**
Aydin B., Hassan L. S., Viana G., Bedran-Russo A. K.
JOURNAL OF ADHESIVE DENTISTRY, vol.18, no.6, pp.529-534, 2016 (SCI-Expanded)
- XI. **Time-dependent effectiveness of the intracanal medicaments used for pulp revascularization on the dislocation resistance of MTA**
Turk T., Ozisik B., Aydin B.
BMC ORAL HEALTH, vol.15, 2015 (SCI-Expanded)
- XII. **Quantification of Antibiotic in Biofilm-Inhibiting Multilayers by 7.87 eV Laser Desorption Postionization MS Imaging**
Blaze M. M. T., Akhmetov A., Aydin B., Edirisinghe P. D., Uygur G., Hanley L.
ANALYTICAL CHEMISTRY, vol.84, no.21, pp.9410-9415, 2012 (SCI-Expanded)
- XIII. **Identification and imaging of peptides and proteins on Enterococcus faecalis biofilms by matrix assisted laser desorption ionization mass spectrometry**
Blaze M. M. T., Aydin B., Carlson R. P., Hanley L.
ANALYST, vol.137, no.21, pp.5018-5025, 2012 (SCI-Expanded)
- XIV. **Antibacterial activity of dental composites containing zinc oxide nanoparticles**
Sevinc B., Hanley L.
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS, vol.94B, no.1, pp.22-31, 2010 (SCI-Expanded)
- XV. **Apical microleakage of root-end cavities prepared by Er, Cr: YSGG laser**
Caliskan M. K., Parlar N. K., Orucoglu H., Aydin B.
LASERS IN MEDICAL SCIENCE, vol.25, no.1, pp.145-150, 2010 (SCI-Expanded)
- XVI. **Effectiveness of HERO 642 versus Hedstrom files for removing gutta-percha fillings in curved root canals: an ex vivo study**
Aydin B., Kose T., Caliskan M. K.
INTERNATIONAL ENDODONTIC JOURNAL, vol.42, no.11, pp.1050-1056, 2009 (SCI-Expanded)
- XVII. **The effect of spreader size on fracture resistance of maxillary incisor roots**
Piskin B., Aydin B., Sarikanat M.
INTERNATIONAL ENDODONTIC JOURNAL, vol.41, no.1, pp.54-59, 2008 (SCI-Expanded)

Articles Published in Other Journals

- I. **Evaluation of different irrigation techniques on dentin erosion and smear layer removal: A scanning electron microscopy study**
Akçay A., Görduysus M., Aydın B., Görduysus M. Ö.
JOURNAL OF CONSERVATIVE DENTISTRY, no.3, pp.311-316, 2022 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **Determination of Dental Anxiety Levels of Undergraduate Students Enrolled in Department of Physical Therapy and Rehabilitation**

Güvenç P., Bulut G. F., Uzun Saylan B. C., Aydın B., Erten Can S. H.

DEU Dış Hekimliği Fakültesi Dış Hekimliği Eğitimi Uluslararası Kongresi, İzmir, Turkey, 3 - 04 June 2022, pp.39-40

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