

Arzu Tezvergil-Mutluay

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7627938/publications.pdf>

Version: 2024-02-01

92
papers

4,825
citations

145106

33
h-index

107981

68
g-index

92
all docs

92
docs citations

92
times ranked

3049
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Composite repair: On the fatigue strength of universal adhesives. <i>Dental Materials</i> , 2022, 38, 231-241. | 1.6 | 9 |
| 2 | Long-term effect of curcuminoid treatment on resin-to-dentin bond strength. <i>European Journal of Oral Sciences</i> , 2022, 130, . | 0.7 | 1 |
| 3 | To etch or not to etch, Part II: On the hydrophobic-rich content and fatigue strength of universal adhesives. <i>Dental Materials</i> , 2022, 38, 1419-1431. | 1.6 | 1 |
| 4 | Incorporation of dimethyl sulfoxide into experimental hydrophilic and hydrophobic adhesive resins: evaluation of cytotoxic activities. <i>European Journal of Oral Sciences</i> , 2021, 129, e12756. | 0.7 | 4 |
| 5 | The effect of phytic acid on enzymatic degradation of dentin. <i>European Journal of Oral Sciences</i> , 2021, 129, e12771. | 0.7 | 10 |
| 6 | To etch or not to etch, Part I: On the fatigue strength and dentin bonding performance of universal adhesives. <i>Dental Materials</i> , 2021, 37, 949-960. | 1.6 | 8 |
| 7 | The pursuit of resin-dentin bond durability: Simultaneous enhancement of collagen structure and polymer network formation in hybrid layers. <i>Dental Materials</i> , 2021, 37, 1083-1095. | 1.6 | 12 |
| 8 | Global Oral Health Policies and Guidelines: Using Silver Diamine Fluoride for Caries Control. <i>Frontiers in Oral Health</i> , 2021, 2, 685557. | 1.2 | 27 |
| 9 | Dry bonding to dentin: Broadening the moisture spectrum and increasing wettability of etch-and-rinse adhesives. <i>Dental Materials</i> , 2021, 37, 1676-1687. | 1.6 | 9 |
| 10 | Inhibition of cathepsin-K and matrix metalloproteinase by photodynamic therapy. <i>Dental Materials</i> , 2021, 37, e485-e492. | 1.6 | 6 |
| 11 | Fatigue resistance of metal-free cantilever bridges supported by labial laminate veneers. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 103, 103596. | 1.5 | 0 |
| 12 | Activation of matrix-bound endogenous proteases by self-etch adhesives. <i>Dental Materials Journal</i> , 2020, 39, 1044-1049. | 0.8 | 5 |
| 13 | Performance of Adhesives and Restorative Materials After Selective Removal of Carious Lesions. <i>Dental Clinics of North America</i> , 2019, 63, 715-729. | 0.8 | 10 |
| 14 | Influence of silica nanocoating on stain susceptibility and superficial integrity of dimethacrylate-based composites. <i>European Journal of Oral Sciences</i> , 2019, 127, 361-368. | 0.7 | 1 |
| 15 | Influence of polar solvents on permeability, stiffness and collagen dissociation of demineralized dentin. <i>International Journal of Adhesion and Adhesives</i> , 2019, 89, 148-153. | 1.4 | 1 |
| 16 | Incorporation of dimethyl sulfoxide to model adhesive resins with different hydrophilicities: Physico/mechanical properties. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 93, 143-150. | 1.5 | 7 |
| 17 | Inhibition of dentin matrix-bound cysteine cathepsins by potassium fluoride. <i>European Journal of Oral Sciences</i> , 2019, 127, 1-9. | 0.7 | 12 |
| 18 | Effect of gallic acid addition on some mechanical properties of self-adhesive resin cements. <i>Brazilian Oral Research</i> , 2019, 33, e053. | 0.6 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Optimization of the etch-and-rinse technique: New perspectives to improve resin-dentin bonding and hybrid layer integrity by reducing residual water using dimethyl sulfoxide pretreatments. <i>Dental Materials</i> , 2018, 34, 967-977. | 1.6 | 33 |
| 20 | In situ analysis of gelatinolytic activity in human dentin. <i>Acta Histochemica</i> , 2018, 120, 136-141. | 0.9 | 3 |
| 21 | Repair bond strength of nanohybrid composite resins with a universal adhesive. <i>Acta Biomaterialia Odontologica Scandinavica</i> , 2018, 4, 10-19. | 4.0 | 47 |
| 22 | Antimicrobial efficacy and mechanical properties of BAC-modified hard and soft denture liners. <i>Odontology / the Society of the Nippon Dental University</i> , 2018, 106, 83-89. | 0.9 | 8 |
| 23 | Cross-linking effect on dentin bond strength and MMPs activity. <i>Dental Materials</i> , 2018, 34, 288-295. | 1.6 | 51 |
| 24 | A novel dry-bonding approach to reduce collagen degradation and optimize resin-dentin interfaces. <i>Scientific Reports</i> , 2018, 8, 16890. | 1.6 | 27 |
| 25 | Biochemical and immunohistochemical identification of MMP-7 in human dentin. <i>Journal of Dentistry</i> , 2018, 79, 90-95. | 1.7 | 9 |
| 26 | Do collagen cross-linkers improve dentin's bonding receptiveness?. <i>Dental Materials</i> , 2018, 34, 1679-1689. | 1.6 | 23 |
| 27 | Effect of calcium fluoride on the activity of dentin matrix-bound enzymes. <i>Archives of Oral Biology</i> , 2018, 96, 162-168. | 0.8 | 9 |
| 28 | Microtensile bond strength to phosphoric acid-etched dentin treated with NaF, KF and CaF ₂ . <i>International Journal of Adhesion and Adhesives</i> , 2018, 85, 337-343. | 1.4 | 2 |
| 29 | Inhibitory effect of curcuminoid pretreatments on endogenous dentin proteases. <i>Dental Materials Journal</i> , 2018, 37, 445-452. | 0.8 | 6 |
| 30 | Effect of various dimethyl sulfoxide concentrations on the durability of dentin bonding and hybrid layer quality. <i>Dental Materials Journal</i> , 2018, 37, 501-505. | 0.8 | 14 |
| 31 | Selective dentin etching: A potential method to improve bonding effectiveness of universal adhesives. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 86, 14-22. | 1.5 | 26 |
| 32 | Effects of Composites Containing Bioactive Glasses on Demineralized Dentin. <i>Journal of Dental Research</i> , 2017, 96, 999-1005. | 2.5 | 86 |
| 33 | Effects of EDC crosslinking on the stiffness of dentin hybrid layers evaluated by nanoDMA over time. <i>Dental Materials</i> , 2017, 33, 904-914. | 1.6 | 13 |
| 34 | Fatigue resistance of dentin bonds prepared with two- vs. three-step adhesives: Effect of carbodiimide. <i>Dental Materials</i> , 2017, 33, 1340-1350. | 1.6 | 6 |
| 35 | Zinc Inhibits Collagenolysis by Cathepsin K and Matrix Metalloproteinases in Demineralized Dentin Matrix. <i>Caries Research</i> , 2017, 51, 576-581. | 0.9 | 14 |
| 36 | Effect of pH on dentin protease inactivation by carbodiimide. <i>European Journal of Oral Sciences</i> , 2017, 125, 288-293. | 0.7 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Is the inactivation of dentin proteases by crosslinkers reversible?. <i>Dental Materials</i> , 2017, 33, e62-e68. | 1.6 | 23 |
| 38 | The influence of cyclic stress on surface properties of soft liners. <i>Odontology / the Society of the Nippon Dental University</i> , 2017, 105, 214-221. | 0.9 | 10 |
| 39 | Tooth as an adhesive substrate for fiber-reinforced composites. , 2017, , 79-96. | | 2 |
| 40 | The Fracture Resistance of Composite Core Materials Reinforced by Varying Fiber Orientations. <i>International Journal of Prosthodontics</i> , 2017, 30, 25-26. | 0.7 | 1 |
| 41 | NaF Inhibits Matrix-Bound Cathepsin-Mediated Dentin Matrix Degradation. <i>Caries Research</i> , 2016, 50, 124-132. | 0.9 | 25 |
| 42 | Influence of dimethyl sulfoxide used as a solvent on the physical properties and long-term dentin bonding of hydrophilic resins. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 64, 220-228. | 1.5 | 21 |
| 43 | Dentin bond optimization using the dimethyl sulfoxide-wet bonding strategy: A 2-year in vitro study. <i>Dental Materials</i> , 2016, 32, 1472-1481. | 1.6 | 31 |
| 44 | Use of crosslinkers to inactivate dentin MMPs. <i>Dental Materials</i> , 2016, 32, 423-432. | 1.6 | 65 |
| 45 | Effect of carbodiimide on the fatigue crack growth resistance of resin-dentin bonds. <i>Dental Materials</i> , 2016, 32, 211-222. | 1.6 | 18 |
| 46 | Long-Term Durability of Dental Adhesives. <i>Current Oral Health Reports</i> , 2015, 2, 174-181. | 0.5 | 29 |
| 47 | Water distribution in dentin matrices: Bound vs. unbound water. <i>Dental Materials</i> , 2015, 31, 205-216. | 1.6 | 63 |
| 48 | Can quaternary ammonium methacrylates inhibit matrix MMPs and cathepsins?. <i>Dental Materials</i> , 2015, 31, e25-e32. | 1.6 | 65 |
| 49 | Effect of pretreatment with collagen crosslinkers on dentin protease activity. <i>Dental Materials</i> , 2015, 31, 941-947. | 1.6 | 34 |
| 50 | Effect of polyacrylic acid on dentin protease activities. <i>Dental Materials</i> , 2015, 31, 901-906. | 1.6 | 22 |
| 51 | Effect of ultraviolet A-induced crosslinking on dentin collagen matrix. <i>Dental Materials</i> , 2015, 31, 1225-1231. | 1.6 | 16 |
| 52 | Zoledronate and Ion-releasing Resins Impair Dentin Collagen Degradation. <i>Journal of Dental Research</i> , 2014, 93, 999-1004. | 2.5 | 24 |
| 53 | Addition of benzalkonium chloride to self-adhesive resin-cements: some clinically relevant properties. <i>Acta Odontologica Scandinavica</i> , 2014, 72, 831-838. | 0.9 | 9 |
| 54 | Effects of Fiber-reinforced Composite Bases on Microleakage of Composite Restorations in Proximal Locations. <i>Open Dentistry Journal</i> , 2014, 8, 213-219. | 0.2 | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | The importance of size-exclusion characteristics of type I collagen in bonding to dentin matrices. <i>Acta Biomaterialia</i> , 2013, 9, 9522-9528. | 4.1 | 58 |
| 56 | Strategies to prevent hydrolytic degradation of the hybrid layer—A review. <i>Dental Materials</i> , 2013, 29, 999-1011. | 1.6 | 313 |
| 57 | Effect of carbodiimide (EDC) on the bond stability of etch-and-rinse adhesive systems. <i>Dental Materials</i> , 2013, 29, 1040-1047. | 1.6 | 90 |
| 58 | Optimizing dentin bond durability: Control of collagen degradation by matrix metalloproteinases and cysteine cathepsins. <i>Dental Materials</i> , 2013, 29, 116-135. | 1.6 | 379 |
| 59 | Effect of Phosphoric Acid on the Degradation of Human Dentin Matrix. <i>Journal of Dental Research</i> , 2013, 92, 87-91. | 2.5 | 95 |
| 60 | Effects of Etch-and-Rinse and Self-etch Adhesives on Dentin MMP-2 and MMP-9. <i>Journal of Dental Research</i> , 2013, 92, 82-86. | 2.5 | 143 |
| 61 | The Effect of Surface Roughness on Repair Bond Strength of Light-Curing Composite Resin to Polymer Composite Substrate. <i>Open Dentistry Journal</i> , 2013, 7, 126-131. | 0.2 | 14 |
| 62 | Carbodiimide Cross-linking Inactivates Soluble and Matrix-bound MMPs, <i>in vitro</i> . <i>Journal of Dental Research</i> , 2012, 91, 192-196. | 2.5 | 98 |
| 63 | The anti-MMP activity of benzalkonium chloride. <i>Journal of Dentistry</i> , 2011, 39, 57-64. | 1.7 | 127 |
| 64 | State of the art etch-and-rinse adhesives. <i>Dental Materials</i> , 2011, 27, 1-16. | 1.6 | 785 |
| 65 | Inhibition of MMPs by alcohols. <i>Dental Materials</i> , 2011, 27, 926-933. | 1.6 | 40 |
| 66 | The Inhibitory Effects of Quaternary Ammonium Methacrylates on Soluble and Matrix-bound MMPs. <i>Journal of Dental Research</i> , 2011, 90, 535-540. | 2.5 | 151 |
| 67 | Biomimetic remineralization as a progressive dehydration mechanism of collagen matrices — Implications in the aging of resin—dentin bonds. <i>Acta Biomaterialia</i> , 2010, 6, 3729-3739. | 4.1 | 77 |
| 68 | The inhibitory effect of polyvinylphosphonic acid on functional matrix metalloproteinase activities in human demineralized dentin. <i>Acta Biomaterialia</i> , 2010, 6, 4136-4142. | 4.1 | 65 |
| 69 | Chlorhexidine binding to mineralized versus demineralized dentin powder. <i>Dental Materials</i> , 2010, 26, 771-778. | 1.6 | 122 |
| 70 | The requirement of zinc and calcium ions for functional MMP activity in demineralized dentin matrices. <i>Dental Materials</i> , 2010, 26, 1059-1067. | 1.6 | 302 |
| 71 | Hyperzincemia from ingestion of denture adhesives. <i>Journal of Prosthetic Dentistry</i> , 2010, 103, 380-383. | 1.1 | 26 |
| 72 | Bond Strength of Soft Liners to Fiber—Reinforced Denture—Base Resin. <i>Journal of Prosthodontics</i> , 2010, 19, 620-624. | 1.7 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Effect of fiber-reinforced composites on the failure load and failure mode of composite veneers. <i>Dental Materials Journal</i> , 2009, 28, 530-536. | 0.8 | 13 |
| 74 | Incremental layers bonding of silorane composite: The initial bonding properties. <i>Journal of Dentistry</i> , 2008, 36, 560-563. | 1.7 | 62 |
| 75 | Comparison between regional micropush-out and microtensile bond strength of resin composite to dentin. <i>Acta Odontologica Scandinavica</i> , 2008, 66, 73-81. | 0.9 | 24 |
| 76 | Effect of Intermediate Fiber Layer on the Fracture Load and Failure Mode of Maxillary Incisors Restored with Laminate Veneers. <i>Dental Materials Journal</i> , 2008, 27, 61-68. | 0.8 | 15 |
| 77 | Microtensile bond strength of fiber-reinforced composite with semi-interpenetrating polymer matrix to dentin using various bonding systems. <i>Dental Materials Journal</i> , 2008, 27, 821-826. | 0.8 | 9 |
| 78 | Intraoral Repair of All Ceramic Fixed Partial Denture Utilizing Preimpregnated Fiber Reinforced Composite. <i>European Journal of Dentistry</i> , 2008, 02, 63-68. | 0.8 | 1 |
| 79 | Effect of fiber-reinforced composite at the interface on bonding of resin core system to dentin. <i>Dental Materials Journal</i> , 2008, 27, 736-743. | 0.8 | 10 |
| 80 | Degree of conversion of dual-cure luting resins light-polymerized through various materials. <i>Acta Odontologica Scandinavica</i> , 2007, 65, 201-205. | 0.9 | 55 |
| 81 | Static and fatigue compression test for particulate filler composite resin with fiber-reinforced composite substructure. <i>Dental Materials</i> , 2007, 23, 17-23. | 1.6 | 77 |
| 82 | The effect of fiber orientation on the polymerization shrinkage strain of fiber-reinforced composites. <i>Dental Materials</i> , 2006, 22, 610-616. | 1.6 | 68 |
| 83 | In vitro fracture resistance of fiber reinforced cusp-replacing composite restorations. <i>Dental Materials</i> , 2005, 21, 565-572. | 1.6 | 83 |
| 84 | The degree of conversion of fiber-reinforced composites polymerized using different light-curing sources. <i>Dental Materials</i> , 2005, 21, 469-475. | 1.6 | 32 |
| 85 | Evaluation of some properties of two fiber-reinforced composite materials. <i>Acta Odontologica Scandinavica</i> , 2005, 63, 196-204. | 0.9 | 46 |
| 86 | The shear bond strength of bidirectional and random-oriented fibre-reinforced composite to tooth structure. <i>Journal of Dentistry</i> , 2005, 33, 509-516. | 1.7 | 63 |
| 87 | Acoustic emission analysis of fiber-reinforced composite in flexural testing. <i>Dental Materials</i> , 2004, 20, 305-312. | 1.6 | 67 |
| 88 | Repair bond strength of restorative resin composite applied to fiber-reinforced composite substrate. <i>Acta Odontologica Scandinavica</i> , 2004, 62, 51-60. | 0.9 | 36 |
| 89 | The effect of fiber orientation on the thermal expansion coefficients of fiber-reinforced composites. <i>Dental Materials</i> , 2003, 19, 471-477. | 1.6 | 112 |
| 90 | Composite repair bond strength: effect of different adhesion primers. <i>Journal of Dentistry</i> , 2003, 31, 521-525. | 1.7 | 151 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 91 | Water Sorption, Solubility and Dimensional Changes of Denture Base Polymers Reinforced with Short Glass Fibers. Journal of Biomaterials Applications, 2003, 17, 321-335. | 1.2 | 32 |
| 92 | Effect of Acid or Laser Treatment on Degradation of Dentin Matrix. Lasers in Dental Science, 0, , 1. | 0.3 | 1 |