

Publication List

Mutlu Özcan, Prof. Dr. Dr. h.c., Ph.D

Original Articles:

1. Gemalmaz, D., **Özcan, M.**, Yoruc, B., Alkumru, H.
Marginal Adaptation of a Sintered Ceramic Inlay System Before and After Cementation.
Journal of Oral Rehabilitation 1997; 24: 646-651.
Impact factor: 3.558
2. Atasu, M., Eryilmaz., A, Genc, A., **Özcan, M.**, Özbayrak, S.
Congenital Hypodontia of Maxillary Lateral Incisors in Association with Coloboma of Iris and Hypomaturation Type of Amelogenesis Imperfecta in a Large Kindred.
Journal of Clinical Pediatric Dentistry 1997; 21: 341-355.
Impact factor: 1.338
3. Gemalmaz, D., Yoruc, B., **Özcan, M.**, Alkumru, H.
Effect of Early Water Contact on Solubility of Glass Ionomer Luting Cements.
Journal of Prosthetic Dentistry 1998; 80: 474-478.
Impact factor: 4.148
4. **Özcan, M.**, Alkumru, H., Gemalmaz, D.
The Effect of Surface Treatment on the Shear Bond Strength of Luting Cement to a Glass-infiltrated Alumina Ceramic.
International Journal of Prosthodontics 2001; 14: 335-339.
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5. Gemalmaz, D., **Özcan, M.**, Alkumru, H.
A Clinical Evaluation of Ceramic Inlays Bonded with Different Luting Agents.
Journal of Adhesive Dentistry 2001; 3: 273-283.
Impact factor: 4.309
6. **Özcan, M.**, Niedermeier, W.
Clinical Study on the Reasons for and Location of Failures of Metal-Ceramic Restorations and Survival of Repairs.
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Impact factor: 1.785
7. **Özcan, M.**, Pfeiffer, P., Nergiz, I.
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Operative Dentistry 2002; 27: 132-136.
Impact factor: 2.937
8. Akıslı, I., **Özcan, M.**, Nergiz, I.
Resistance of Core Materials Against Torsional Forces on Differently Conditioned Titanium Posts.
Journal of Prosthetic Dentistry 2002; 88: 367-374.
Impact factor: 4.148
9. Nergiz, I., Schmäge, P., **Özcan, M.**, Platzer, U.
Effect of Length and Diameter of Tapered Posts on the Retention.
Journal of Oral Rehabilitation 2002; 29: 28-34.
Impact factor: 3.558
10. Nergiz, I., Schmäge, P., Platzer, U., **Özcan M.**
Bond Strengths of Five Tapered Root Posts Regarding the Post Surface.
Journal of Oral Rehabilitation 2002; 29: 330-335.
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11. **Özcan, M.**, Vallittu, P.K.
Effect of Surface Conditioning Methods on the Bond Strength of Luting Cement to Ceramics.
Dental Materials 2003; 19: 725-731.
Impact factor: 5.687
12. **Özcan, M.**, Kulak, Y., Kazazoglu, E.
The Efficacy of Two Prototype Chewing Gums for the Removal of Extrinsic Tooth Stain.
International Dental Journal 2003; 53: 62-66.
Impact factor: 2.607
13. **Özcan, M.**, Kulak, Y., Kazazoglu, E.
The Effect of Disinfectant Agents in Eliminating the Contamination of Dental Unit Water.
Journal of Oral Rehabilitation 2003; 30: 290-294.
Impact factor: 3.558
14. Akışlı, I., **Özcan, M.**, Nergiz, I.
Effect of Surface Conditioning Techniques on the Resistance of Resin Composite Resin Core Materials on Titanium Posts.
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15. Pfeiffer, P., Nergiz, I., **Özcan, M.**
Metal Surface Conditioning Concepts for Resin Bonding in Dentistry.
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16. Schmage, P., Nergiz, I., Herrmann, W., **Özcan, M.**
Influence of Various Surface-conditioning Methods on the Bond Strength of Metal Brackets to Ceramic Surfaces.
American Journal of Orthodontics and Dentofacial Orthopedics 2003; 123: 540-546.
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17. **Özcan, M.**, Kulak, Y., Arikan, A., Silahtar, E.
The Attitude of Complete Denture Wearers to Denture Adhesives in Istanbul.
Journal of Oral Rehabilitation 2004; 31: 131-134.
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18. **Özcan, M.**, Matinlinna, J., Vallittu, P. K., Huysmans, M.C.
Effect of Drying Time of 3-Methacryloxypropyltrimethoxysilane on the Shear Bond Strength of a Composite Resin to Silica-coated Base/Noble Alloys.
Dental Materials 2004; 20: 586-590.
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19. **Özcan, M.**, Vallittu, P.K., Peltomäki, T., Huysmans, M. C., Kalk, W.
Bonding Polycarbonate Brackets to Ceramic: Effects of Substrate Treatment on Bond Strength.
American Journal of Orthodontics and Dentofacial Orthopedics 2004; 126: 220-227.
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20. Matinlinna, J.P., **Özcan, M.**, Lassila, L.V.J., Vallittu, P.K.
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21. Nergiz, I., Schmage, P., Herrmann, W., **Özcan, M.**
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22. Schmage, P., Sohn, J., Nergiz, I., **Özcan, M.**
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23. **Özcan, M.**, Breuklander, M., Vallittu, P.K.
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Journal of Prosthetic Dentistry 2005; 93: 337-345.
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24. **Özcan, M.**, Alander, P., Vallittu, P.K., Huysmans, M.C., Kalk, W.
Effect of Three Surface Conditioning Methods to Improve Bond Strength of Particulate Filler Resin Composites.
Journal of Material Science: Materials in Medicine 2005; 16: 21-27.
Impact factor: 3.896
25. **Özcan, M.**, Kulak, Y., de Baat, C., Arikan, A., Ucankale, M.
The Effect of a New Denture Adhesive on Bite Force Until Denture Dislodgement.
Journal of Prosthodontics 2005; 14: 122-126.
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26. Kulak, Y., **Özcan, M.**, Arikan, A.
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Journal of Prosthodontics 2005; 14: 248-252.
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27. Schmage, P., **Özcan, M.**, McMullan-Vogel, C., Nergiz, I.
The Fit of Tapered Posts in Root Canals Luted with Zinc Phosphate Cement: A Histological Study.
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28. Dundar, M., **Özcan, M.**, Comlekoglu, E., Gungor, M.A., Artunc, A.
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International Journal of Prosthodontics 2005; 18: 71-72.
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29. **Özcan, M.**, van der Sleen, J.M., Kurunmäki, H., Vallittu, P.K.
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30. **Özcan, M.**, Vallittu, P.K., Huysmans, M.C., Kalk, W., Vahlberg, T.
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31. Amaral, R., **Özcan, M.**, Bottino, M.A., Valandro, L.F.
Microtensile Bond Strength of a Resin Cement to Glass Infiltrated Zirconia-reinforced Ceramic: The Effect of Surface Conditioning.
Dental Materials 2006; 22: 283-290.
Impact factor: 5.687
32. Itinoche, K., **Özcan, M.**, Bottino, M.A., Oyafuso, D.
Effect of Mechanical Cycling on the Flexural Strength of Reinforced Ceramics.
Dental Materials 2006; 22: 1029-1034.
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33. Valandro, L.F., **Özcan, M.**, Bottino, M.C., Bottino, M.A., Scotti, R., Bona, A.D.
Bond Strength of a Resin Cement to High-Alumina and Zirconia-Reinforced Ceramics: The Effect of Surface Conditioning.
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34. Valandro, L.F., **Özcan, M.**, de Melo, R.M., Galhano, G.A., Baldissara, P., Scotti, R., Bottino, M.A.
Effect of Silica Coating on Flexural Strength of Fiber Posts.
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35. Schmage, P., Sohn, J., **Özcan, M.**, Nergiz, I.
Effect of Surface Treatment of Titanium Posts on the Tensile Bond Strength.
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36. Matinlinna, J.P., Heikkinen, T., **Özcan, M.**, Lassila, L.V., Vallittu, P.K.
Evaluation of Resin Adhesion to Zirconia Ceramic Using Some Organosilanes.
Dental Materials 2006; 22: 824-831.
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37. Goia, T.S., Leite, F.P., Valandro, L.F., **Özcan, M.**, Bottino, M.A.
Repair Bond Strength of a Resin Composite to Alumina-reinforced Feldspathic Ceramic.
International Journal of Prosthodontics 2006; 19: 400-402.
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38. Perez, B.E.M., Barbosa, S.H., Melo, R.M., Zamboni, S.C., **Özcan, M.**, Valandro, L.F., Bottino, M. A.
Does the Thickness of the Resin Cement Affect the Bond Strength of a Fiber Post to the Root Dentin?
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39. **Özcan, M.**, Barbosa, S.H., Melo, R.M., Galhano, G.A.P., Bottino, M.A.
Effect of Surface Conditioning Methods on the Microtensile Bond Strength of Resin Composite to Composite After Aging Conditions.
Dental Materials 2007; 23: 1276-1282.
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40. Brendeke, J., **Özcan, M.**
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Journal of Adhesive Dentistry 2007; 9: 399-406.
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41. Gresnigt, M., **Özcan, M.**
Fracture Strength of Direct Versus Indirect Laminates With and Without Fiber Application at the Cementation Interface.
Dental Materials 2007; 23: 927-933.
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42. Nevzatoğlu, U.E., **Özcan, M.**, Kulak-Ozkan, Y., Kadir, T.
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43. Özkan, Y., **Özcan, M.**, Akoğlu, B., Uçankale, M., Kulak-Özkan, Y.
Three-year Treatment Outcomes with Three Brands of Implants Placed in the Posterior Maxilla and Mandible of Partially Edentulous Patients.
Journal of Prosthetic Dentistry 2007; 97: 78-84.
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44. Valandro, L.F., **Özcan, M.**, Amaral, R., Leite, F.P., Bottino, M.A.
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International Journal of Prosthodontics 2007; 20: 70-72.
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45. Brentel, A.S., **Özcan, M.**, Valandro, L.F., Alarça, L.G., Amaral, R., Bottino, M.A.
Microtensile Bond Strength of a Resin Cement to Feldspathic Ceramic After Different Etching and Silanization Regimens in Dry and Aged Conditions.
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46. Dundar, M., **Özcan, M.**, Gokce, B., Comlekoglu, E., Leite, F., Valandro, L.F.
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The International Journal of Oral & Maxillofacial Implants 2007; 22: 235-242.
Impact factor: 2.912
49. Bottino, M.A., Valandro, L.F., Buso, L., **Özcan, M.**
The Influence of the Cervical Finish Line, Internal Relief and Cement Type on the Cervical Adaptation of Metal Crowns.
Quintessence International 2007; 38: 425-432.
Impact factor: 2.175
50. de Baat, C., van't Hof, M., van Zeghbroeck, L., **Özcan, M.**, Kalk, W.
An International Multicentre Study on the Effectiveness of a Denture Adhesive in Maxillary Dentures Using Disposable Gnathometers.
Clinical Oral Investigation 2007; 11: 237-243.
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51. Saavedra, G., Valandro, L.F., Leite, F.P., Amaral, R., **Özcan, M.**, Bottino, M. A., Kimpara, E.T.
Bond Strength of Acrylic Teeth to Denture Base Resin After Various Surface Conditioning Methods Before and After Thermocycling.
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52. **Özcan, M.**, Finnema, K., Ybema, A.
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53. **Özcan, M.**, Nijhuis, H., Valandro, L.F.
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58. Matinlinna, J., **Özcan, M.**, Lassila, L., Kalk, W., Vallittu, P.K.
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59. Valandro, L.F., **Özcan, M.**, Amaral, R., Passos, S.P., Bottino, M.A.
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European Journal of Orthodontics 2008; 30: 199-204.
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64. Comlekoglu, M.E., Dündar, M., **Özcan, M.**, Güngör, M.A., Gokce, B., Artunc, C.
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66. Passos, S.P., Valandro, L.F., Amaral, R., **Özcan, M.**, Bottino, M.A., Kimpara, E.T.
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69. **Özcan, M.**, Mese, A.
Fracture Strength of Indirect Resin Composite Laminates to Teeth with Existing Restorations: An Evaluation of Conditioning Protocols.
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70. **Özcan, M.**, Valandro, L.F.
Fracture Strength of Endodontically-treated Teeth Restored with Post and Cores and Composite Cores Only.
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71. **Özcan, M.**, Valandro, L.F., Amaral, R., Leite, F., Bottino, M.A.
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72. Fourie, Z., **Özcan, M.**, Sandham, A.
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73. Vásquez, V.Z., **Özcan, M.**, Kimpara, E.T.
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76. **Özcan, M.**, Cura, C., Brendeke, J.
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88. Mesquita, A.M., **Özcan, M.**, Souza, R.O., Kojima, A.N., Nishioka, R.S., Kimpara, E.T., Bottino, M.A.
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Patents:

2011

Name: Caffeic acid phenethyl ester (CAPE) to avoid nanoleakage between dentin and resin-based materials in dentistry.
Patent holders: Mutlu Özcan, Mine Dundar, Erhan Comlekoglu, Bilge Hakan Sen
Application No.: B14.1.TPE.0.10.01-2011/09068
Abstract: This invention refers to production of a chemical adhesive resin derived from natural products aiming for avoiding enzymatic degradation due to matrix metalloproteinases (MMP) activity on dentin that would allow for biologically and mechanically durable minimally invasive reconstructions.

2020

Name: Prosthesis Retention Force Measurement Device With An Electronic Sensor.
Patent holders: Mutlu Özcan, Gulsum Ceylan
Application No.: TPE. 265480-2020/07526
Abstract: This invention refers to production of a device for measuring retention rate of dentures for edentulous patients.

2020

Name: Biodegradable Toothbrush With Interchangeable Brush Tip And Interchangeable Interdental Brush Placed On The Handle.
Patent holders: Mutlu Özcan, Mustafa Özcan
Application No.: TPE. 2020-GE-725613
Abstract: This invention refers to development of a multi-functional, environment-friendly toothbrush with interdental brush using a novel biodegradable polymer.

2021

Name: Non-invasive and Combined Innovative Biomarker in Early Diagnosis of Parkinson Demans.
Patent holders: Suleyman Yildirim, Cuneyd Parlayan, Handan Ankarali, Mutlu Özcan
Application No.: TPE. 2021-315S301
Abstract: This invention refers to development of a biomarker based on saliva proteomics in early diagnosis of Parkinson`s disease.

4 Discovery applications in communication with Unitektra, Zurich, Switzerland (2024-)

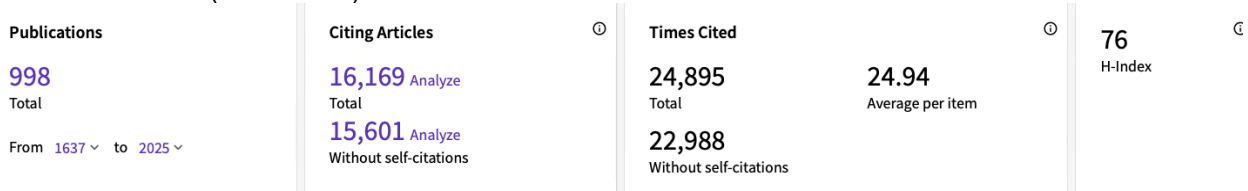
Bibliometric Overview and H-index:

H-index (Web of Science) (09.02.2025):	76
Sum of the Times Cited (Web of Science):	24895
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Citing Articles:	16169
Citing Articles without Self-citations:	15601
h-index (Google Scholar) (09.02.2025):	104
i-10-index (Google Scholar) (09.02.2025):	584
Sum of the Times Cited (Google Scholar):	41286

Top 2% scientists list 2025 (Stanford/Elsevier): rank 8128

Relative citation index (RCR): 2.60±1.50 (for 621 items, Weighted RCR: 1542.34, iCite, 09.02.2025)

Web of Science (09.02.2025):

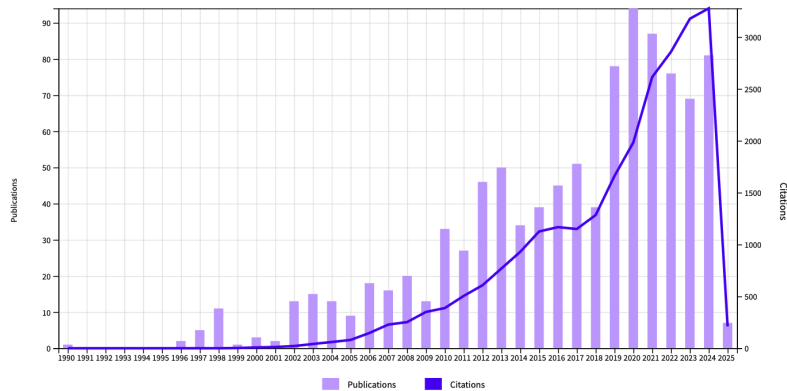


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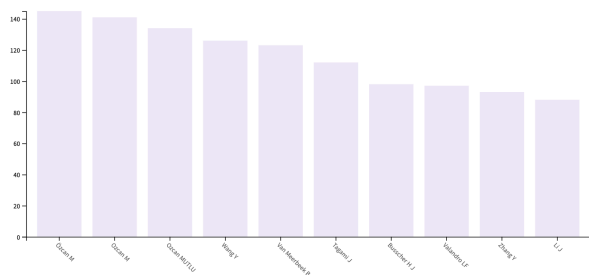
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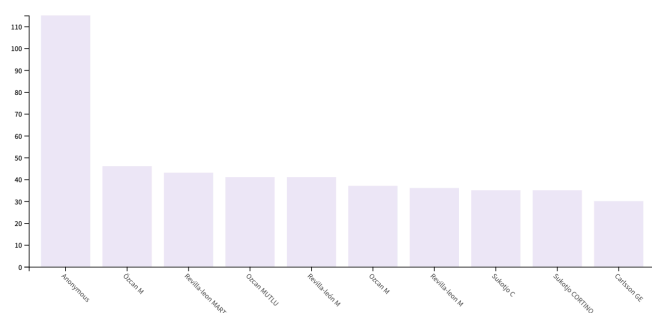
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Ozcan M, Ozcan Mutlu—same person

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