

Oscar E Pecho

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

1,409
citations

394421

19
h-index

395702

33
g-index

39
all docs

39
docs citations

39
times ranked

1172
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Optical properties of CAD/CAM ceramic systems. <i>Journal of Dentistry</i> , 2014, 42, 1202-1209. | 4.1 | 163 |
| 2 | Zirconia as a Dental Biomaterial. <i>Materials</i> , 2015, 8, 4978-4991. | 2.9 | 159 |
| 3 | Visual and instrumental shade matching using CIELAB and CIEDE2000 color difference formulas. <i>Dental Materials</i> , 2016, 32, 82-92. | 3.5 | 156 |
| 4 | Whiteness difference thresholds in dentistry. <i>Dental Materials</i> , 2019, 35, 292-297. | 3.5 | 107 |
| 5 | Color and translucency of zirconia ceramics, human dentine and bovine dentine. <i>Journal of Dentistry</i> , 2012, 40, e34-e40. | 4.1 | 102 |
| 6 | Applications of artificial intelligence in dentistry: A comprehensive review. <i>Journal of Esthetic and Restorative Dentistry</i> , 2022, 34, 259-280. | 3.8 | 71 |
| 7 | Optical behavior of dental zirconia and dentin analyzed by Kubelka-Munk theory. <i>Dental Materials</i> , 2015, 31, 60-67. | 3.5 | 63 |
| 8 | Colour parameters and shade correspondence of CAD/CAM ceramic systems. <i>Journal of Dentistry</i> , 2015, 43, 726-734. | 4.1 | 60 |
| 9 | Influence of Gender on Visual Shade Matching in Dentistry. <i>Journal of Esthetic and Restorative Dentistry</i> , 2017, 29, E15-E23. | 3.8 | 53 |
| 10 | Recent Advances in Color and Whiteness Evaluations in Dentistry. <i>Current Research in Dentistry</i> , 2019, 1, 23-29. | 1.0 | 49 |
| 11 | Lightness, chroma and hue differences on visual shade matching. <i>Dental Materials</i> , 2016, 32, 1362-1373. | 3.5 | 46 |
| 12 | Influence of Bleaching and Aging Procedures on Color and Whiteness of Dental Composites. <i>Operative Dentistry</i> , 2019, 44, 648-658. | 1.2 | 43 |
| 13 | Relevant optical properties for direct restorative materials. <i>Dental Materials</i> , 2016, 32, e105-e112. | 3.5 | 41 |
| 14 | Influence of composite type and light irradiance on color stability after immersion in different beverages. <i>Journal of Esthetic and Restorative Dentistry</i> , 2018, 30, 390-396. | 3.8 | 41 |
| 15 | Effect of hydrogen peroxide on color and whiteness of resin-based composites. <i>Journal of Esthetic and Restorative Dentistry</i> , 2019, 31, 132-139. | 3.8 | 30 |
| 16 | Optical properties of supra-nano spherical filled resin composites compared to nanofilled, nano-hybrid and micro-hybrid composites. <i>Dental Materials Journal</i> , 2016, 35, 353-359. | 1.8 | 29 |
| 17 | Influence of surface roughness on the color of dental-resin composites. <i>Journal of Zhejiang University: Science B</i> , 2011, 12, 552-562. | 2.8 | 26 |
| 18 | Masking ability of indirect restorative systems on tooth-colored resin substrates. <i>Dental Materials</i> , 2019, 35, e122-e130. | 3.5 | 26 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Optical and colorimetric evaluation of a multi-color polymer-infiltrated ceramic-network material. <i>Dental Materials</i> , 2019, 35, e131-e139. | 3.5 | 22 |
| 20 | Does background color influence visual thresholds?. <i>Journal of Dentistry</i> , 2020, 102, 103475. | 4.1 | 20 |
| 21 | Adhesion to Dental Ceramics. <i>Current Oral Health Reports</i> , 2014, 1, 232-238. | 1.6 | 16 |
| 22 | Influence of background color on color perception in dentistry. <i>Journal of Dentistry</i> , 2021, 108, 103640. | 4.1 | 14 |
| 23 | Efficacy of color discrimination tests used in dentistry. <i>Journal of Esthetic and Restorative Dentistry</i> , 2021, 33, 865-873. | 3.8 | 13 |
| 24 | Influence of the photoactivation distance on the color and whiteness stability of resin-based composite after bleaching and aging. <i>Journal of Dentistry</i> , 2020, 99, 103408. | 4.1 | 12 |
| 25 | Predictive algorithms for determination of reflectance data from quantity of pigments within experimental dental resin composites. <i>BioMedical Engineering OnLine</i> , 2015, 14, S4. | 2.7 | 7 |
| 26 | Effect of substrate and cement on the final color of zirconia-based all-ceramic crowns. <i>Journal of Esthetic and Restorative Dentistry</i> , 2021, 33, 891-898. | 3.8 | 7 |
| 27 | Experimental methodologies to evaluate the masking ability of dental materials: A systematic review. <i>Journal of Esthetic and Restorative Dentistry</i> , 2021, 33, 1118-1131. | 3.8 | 7 |
| 28 | Color Change of Resin-based Composites After <i>In Vitro</i> Bleaching Protocols: A Systematic Review and Meta-analysis. <i>Operative Dentistry</i> , 2022, 47, 149-162. | 1.2 | 7 |
| 29 | Comparison of visual shade matching and photographic shade analysis. <i>Journal of Esthetic and Restorative Dentistry</i> , 2022, 34, 374-382. | 3.8 | 5 |
| 30 | Intraoral repair of a chipped porcelain-zirconia restoration. <i>Journal of Esthetic and Restorative Dentistry</i> , 2020, 32, 444-450. | 3.8 | 4 |
| 31 | Measurements of scattering anisotropy in dental tissue and zirconia ceramic. <i>Proceedings of SPIE</i> , 2012, , . | 0.8 | 3 |
| 32 | Color Fuzzy Set Design for dental applications. , 2013, , . | | 2 |
| 33 | Influence of a glycolic acid-based final irrigant for photosensitizer removal of photodynamic therapy on the microhardness and colour change of the dentin structure. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 33, 102151. | 2.6 | 2 |
| 34 | Effect of cementation on the mechanical behavior of a nanoceramic resin. <i>Ceramica</i> , 2020, 66, 236-242. | 0.8 | 2 |
| 35 | Researching in biomaterials optics. , 2017, , . | | 1 |
| 36 | Measurements of optical polarization properties in dental tissues and biomaterials. <i>Proceedings of SPIE</i> , 2011, , . | 0.8 | 0 |

| # | ARTICLE | IF | CITATIONS |
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| 37 | Rugometric and microtopographic non-invasive inspection in dental-resin composites and zirconia ceramics. Proceedings of SPIE, 2013, , . | 0.8 | 0 |
| 38 | Influência dos agentes clareadores na dureza e cor de materiais restauradores diretos. Revista Da Faculdade De Odontologia (Universidade De Passo Fundo), 2017, 22, . | 0.2 | 0 |
| 39 | How heating and surface finishing affect the crystalline and mechanical properties of CAD/CAM dental lithium disilicate glass ceramic. Acta Crystallographica Section A: Foundations and Advances, 2018, 74, e266-e266. | 0.1 | 0 |