

Marta Revilla-Len

List of Publications by Citations

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89
papers

1,034
citations

18
h-index

29
g-index

124
ext. papers

2,093
ext. citations

3.5
avg, IF

5.78
L-index

| # | Paper | IF | Citations |
|----|--|-----|-----------|
| 89 | Additive Manufacturing Technologies Used for Processing Polymers: Current Status and Potential Application in Prosthetic Dentistry. <i>Journal of Prosthodontics</i> , 2019 , 28, 146-158 | 3.9 | 126 |
| 88 | Intraoral digital scans-Part 1: Influence of ambient scanning light conditions on the accuracy (trueness and precision) of different intraoral scanners. <i>Journal of Prosthetic Dentistry</i> , 2020 , 124, 372-378 | 4.8 | 61 |
| 87 | A review on chemical composition, mechanical properties, and manufacturing work flow of additively manufactured current polymers for interim dental restorations. <i>Journal of Esthetic and Restorative Dentistry</i> , 2019 , 31, 51-57 | 3.5 | 59 |
| 86 | Clinical Study of the Influence of Ambient Light Scanning Conditions on the Accuracy (Trueness and Precision) of an Intraoral Scanner. <i>Journal of Prosthodontics</i> , 2020 , 29, 107-113 | 3.9 | 54 |
| 85 | Additive Manufacturing Technologies Used for 3D Metal Printing in Dentistry. <i>Current Oral Health Reports</i> , 2017 , 4, 201-208 | 1.2 | 37 |
| 84 | A Review of the Applications of Additive Manufacturing Technologies Used to Fabricate Metals in Implant Dentistry. <i>Journal of Prosthodontics</i> , 2020 , 29, 579-593 | 3.9 | 34 |
| 83 | The potential of additive manufacturing technologies and their processing parameters for the fabrication of all-ceramic crowns: A review. <i>Journal of Esthetic and Restorative Dentistry</i> , 2020 , 32, 182-192 ⁵ | 3.5 | 34 |
| 82 | Digital tools and 3D printing technologies integrated into the workflow of restorative treatment: A clinical report. <i>Journal of Prosthetic Dentistry</i> , 2019 , 121, 3-8 | 4 | 32 |
| 81 | An update on applications of 3D printing technologies used for processing polymers used in implant dentistry. <i>Odontology / the Society of the Nippon Dental University</i> , 2020 , 108, 331-338 | 3.6 | 31 |
| 80 | 3D printing parameters, supporting structures, slicing, and post-processing procedures of vat-polymerization additive manufacturing technologies: A narrative review. <i>Journal of Dentistry</i> , 2021 , 109, 103630 | 4.8 | 30 |
| 79 | Metal additive manufacturing technologies: literature review of current status and prosthodontic applications. <i>International Journal of Computerized Dentistry</i> , 2019 , 22, 55-67 | 4.5 | 28 |
| 78 | Discrepancy of complete-arch titanium frameworks manufactured using selective laser melting and electron beam melting additive manufacturing technologies. <i>Journal of Prosthetic Dentistry</i> , 2018 , 120, 942-947 | 4 | 27 |
| 77 | Intraoral digital scans: Part 2-influence of ambient scanning light conditions on the mesh quality of different intraoral scanners. <i>Journal of Prosthetic Dentistry</i> , 2020 , 124, 575-580 | 4 | 27 |
| 76 | Digital workflow for an esthetic rehabilitation using a facial and intraoral scanner and an additive manufactured silicone index: A dental technique. <i>Journal of Prosthetic Dentistry</i> , 2020 , 123, 564-570 | 4 | 27 |
| 75 | Position Accuracy of Implant Analogs on 3D Printed Polymer versus Conventional Dental Stone Casts Measured Using a Coordinate Measuring Machine. <i>Journal of Prosthodontics</i> , 2018 , 27, 560-567 | 3.9 | 22 |
| 74 | Impression technique for a complete-arch prosthesis with multiple implants using additive manufacturing technologies. <i>Journal of Prosthetic Dentistry</i> , 2017 , 117, 714-720 | 4 | 21 |
| 73 | Accuracy (trueness and precision) of a dual-structured light facial scanner and interexaminer reliability. <i>Journal of Prosthetic Dentistry</i> , 2020 , 124, 567-574 | 4 | 19 |

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| 72 | Color dimensions of additive manufactured interim restorative dental material. <i>Journal of Prosthetic Dentistry</i> , 2020 , 123, 754-760 | 4 | 18 |
| 71 | Digital workflow for the design and additively manufacture of a splinted framework and custom tray for the impression of multiple implants: A dental technique. <i>Journal of Prosthetic Dentistry</i> , 2018 , 120, 805-811 | 4 | 17 |
| 70 | Facially generated and additively manufactured baseplate and occlusion rim for treatment planning a complete-arch rehabilitation: A dental technique. <i>Journal of Prosthetic Dentistry</i> , 2019 , 121, 741-745 | 4 | 16 |
| 69 | Influence of scan body design and digital implant analogs on implant replica position in additively manufactured casts. <i>Journal of Prosthetic Dentistry</i> , 2020 , 124, 202-210 | 4 | 14 |
| 68 | Analysis of Different Illuminance of the Room Lighting Condition on the Accuracy (Trueness and Precision) of An Intraoral Scanner. <i>Journal of Prosthodontics</i> , 2021 , 30, 157-162 | 3.9 | 14 |
| 67 | Additive manufacturing technologies for processing zirconia in dental applications. <i>International Journal of Computerized Dentistry</i> , 2020 , 23, 27-37 | 4.5 | 14 |
| 66 | Internal and marginal discrepancies associated with stereolithography (SLA) additively manufactured zirconia crowns. <i>Journal of Prosthetic Dentistry</i> , 2020 , 124, 730-737 | 4 | 13 |
| 65 | Facially Driven Digital Diagnostic Waxing: New Software Features to Simulate and Define Restorative Outcomes. <i>Current Oral Health Reports</i> , 2019 , 6, 284-294 | 1.2 | 13 |
| 64 | Comparison of conventional, photogrammetry, and intraoral scanning accuracy of complete-arch implant impression procedures evaluated with a coordinate measuring machine. <i>Journal of Prosthetic Dentistry</i> , 2021 , 125, 470-478 | 4 | 13 |
| 63 | Workflow description of additively manufactured clear silicone indexes for injected provisional restorations: A novel technique. <i>Journal of Esthetic and Restorative Dentistry</i> , 2019 , 31, 213-221 | 3.5 | 12 |
| 62 | Fracture Resistance of Additively Manufactured Zirconia Crowns when Cemented to Implant Supported Zirconia Abutments: An in vitro Study. <i>Journal of Prosthodontics</i> , 2019 , 28, 893-897 | 3.9 | 12 |
| 61 | 3D Metal Printing - Additive Manufacturing Technologies for Frameworks of Implant-Borne Fixed Dental Prosthesis. <i>European journal of prosthodontics and restorative dentistry, The</i> , 2017 , 25, 143-147 | 0.9 | 9 |
| 60 | Flexural strength and Weibull characteristics of stereolithography additive manufactured versus milled zirconia. <i>Journal of Prosthetic Dentistry</i> , 2021 , 125, 685-690 | 4 | 9 |
| 59 | Implant Prosthodontic Discrepancy of Complete-Arch Co-Cr Implant Frameworks Manufactured Through Selective Laser Melting Additive Manufacturing Technology Using a Coordinate Measuring Machine. <i>International Journal of Oral and Maxillofacial Implants</i> , 2019 , 34, 698-707 | 2.8 | 8 |
| 58 | Discrepancy at the implant abutment-prosthesis interface of complete-arch cobalt-chromium implant frameworks fabricated by additive and subtractive technologies before and after ceramic veneering. <i>Journal of Prosthetic Dentistry</i> , 2021 , 125, 795-803 | 4 | 8 |
| 57 | Clinical Study of the Influence of Ambient Lighting Conditions on the Mesh Quality of an Intraoral Scanner. <i>Journal of Prosthodontics</i> , 2020 , 29, 651-655 | 3.9 | 7 |
| 56 | Maxillary zirconia and mandibular composite resin-lithium disilicate-modified PEEK fixed implant-supported restorations for a completely edentulous patient with an atrophic maxilla and mandible: A clinical report. <i>Journal of Prosthetic Dentistry</i> , 2020 , 124, 403-410 | 4 | 7 |
| 55 | Chemical composition, surface roughness, and ceramic bond strength of additively manufactured cobalt-chromium dental alloys. <i>Journal of Prosthetic Dentistry</i> , 2021 , 125, 825-831 | 4 | 7 |

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| 54 | Chemical Composition, Knoop Hardness, Surface Roughness, and Adhesion Aspects of Additively Manufactured Dental Interim Materials. <i>Journal of Prosthodontics</i> , 2021 , 30, 698-705 | 3.9 | 6 |
| 53 | Digitally Created 3-Piece Additive Manufactured Index for Direct Esthetic Treatment. <i>Journal of Prosthodontics</i> , 2020 , 29, 436-442 | 3.9 | 6 |
| 52 | Artificial intelligence applications in implant dentistry: A systematic review. <i>Journal of Prosthetic Dentistry</i> , 2021 , | 4 | 6 |
| 51 | Artificial intelligence models for tooth-supported fixed and removable prosthodontics: A systematic review. <i>Journal of Prosthetic Dentistry</i> , 2021 , | 4 | 6 |
| 50 | Influence of rescanning mesh holes and stitching procedures on the complete-arch scanning accuracy of an intraoral scanner: An in vitro study. <i>Journal of Dentistry</i> , 2021 , 110, 103690 | 4.8 | 6 |
| 49 | Facial scanning accuracy depending on the alignment algorithm and digitized surface area location: An in vitro study. <i>Journal of Dentistry</i> , 2021 , 110, 103680 | 4.8 | 6 |
| 48 | Additive Manufacturing in Dentistry: Current Technologies, Clinical Applications, and Limitations. <i>Current Oral Health Reports</i> , 2020 , 7, 327-334 | 1.2 | 5 |
| 47 | A vat-polymerized 3-dimensionally printed dual-material occlusal device: A dental technique. <i>Journal of Prosthetic Dentistry</i> , 2021 , 126, 271-275 | 4 | 5 |
| 46 | Reducing the Risk of COVID-19 Transmission in Dental Offices: A Review. <i>Journal of Prosthodontics</i> , 2020 , 29, 739-745 | 3.9 | 5 |
| 45 | Artificial intelligence applications in restorative dentistry: A systematic review. <i>Journal of Prosthetic Dentistry</i> , 2021 , | 4 | 5 |
| 44 | Trueness and precision of complete-arch photogrammetry implant scanning assessed with a coordinate-measuring machine. <i>Journal of Prosthetic Dentistry</i> , 2021 , | 4 | 5 |
| 43 | Influence of printing angulation on the surface roughness of additive manufactured clear silicone indices: An in vitro study. <i>Journal of Prosthetic Dentistry</i> , 2021 , 125, 462-468 | 4 | 5 |
| 42 | Influence of scan body design on accuracy of the implant position as transferred to a virtual definitive implant cast. <i>Journal of Prosthetic Dentistry</i> , 2021 , 125, 918-923 | 4 | 5 |
| 41 | Influence of the Rinsing Postprocessing Procedures on the Manufacturing Accuracy of Vat-Polymerized Dental Model Material. <i>Journal of Prosthodontics</i> , 2021 , 30, 610-616 | 3.9 | 5 |
| 40 | Additive Manufacturing Technologies: Current Status and Future Perspectives.. <i>Journal of Prosthodontics</i> , 2022 , 31, 4-12 | 3.9 | 5 |
| 39 | Perception of occlusal plane that is nonparallel to interpupillary and commissural lines but with the maxillary dental midline ideally positioned. <i>Journal of Prosthetic Dentistry</i> , 2019 , 122, 482-490 | 4 | 4 |
| 38 | Esthetic dental perception comparisons between 2D- and 3D-simulated dental discrepancies. <i>Journal of Prosthetic Dentistry</i> , 2020 , 124, 763-773 | 4 | 4 |
| 37 | Marginal and Internal Gap of Handmade, Milled and 3D Printed Additive Manufactured Patterns for Pressed Lithium Disilicate Onlay Restorations. <i>European journal of prosthodontics and restorative dentistry, The</i> , 2018 , 26, 31-38 | 0.9 | 4 |

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| 36 | Manufacturing accuracy and volumetric changes of stereolithography additively manufactured zirconia with different porosities. <i>Journal of Prosthetic Dentistry</i> , 2021 , | 4 | 4 |
| 35 | 2D and 3D patient's representation of simulated restorative esthetic outcomes using different computer-aided design software programs. <i>Journal of Esthetic and Restorative Dentistry</i> , 2021 , 33, 143-151 | 3.5 | 4 |
| 34 | Silicone Additive Manufactured Indices Performed from a Virtual Diagnostic Waxing for Direct Composite Diastema Closure Combined with Resin Infiltration Technique on White Spot Lesions: A Case Report. <i>Journal of Prosthodontics</i> , 2019 , 28, 855-860 | 3.9 | 3 |
| 33 | Impact of the ambient light illuminance conditions on the shade matching capabilities of an intraoral scanner. <i>Journal of Esthetic and Restorative Dentistry</i> , 2021 , 33, 906-912 | 3.5 | 3 |
| 32 | Laboratory workflow to obtain long-term injected resin composite interim restorations from an additive manufactured esthetic diagnostic template. <i>Journal of Esthetic and Restorative Dentistry</i> , 2019 , 31, 13-19 | 3.5 | 3 |
| 31 | Workflow of a fiber-reinforced composite fixed dental prosthesis by using a 4-piece additive manufactured silicone index: A dental technique. <i>Journal of Prosthetic Dentistry</i> , 2021 , 125, 569-575 | 4 | 3 |
| 30 | An additively manufactured intraoral scan body for aiding complete-arch intraoral implant digital scans with guided integration of 3D virtual representation. <i>Journal of Prosthetic Dentistry</i> , 2021 , | 4 | 3 |
| 29 | Influence of ambient temperature changes on intraoral scanning accuracy.. <i>Journal of Prosthetic Dentistry</i> , 2022 , | 4 | 3 |
| 28 | Layperson and Dental Professional Perception When Evaluating Their Own Virtually 2D or 3D Simulated Esthetic Discrepancies. <i>Journal of Prosthodontics</i> , 2020 , 29, 466-471 | 3.9 | 2 |
| 27 | Clinical evaluation of the effects of cutting off, overlapping, and rescanning procedures on intraoral scanning accuracy.. <i>Journal of Prosthetic Dentistry</i> , 2022 , | 4 | 2 |
| 26 | Influence of rescanning mesh holes on the accuracy of an intraoral scanner: An in vivo study. <i>Journal of Dentistry</i> , 2021 , 115, 103851 | 4.8 | 2 |
| 25 | Three-dimensional virtual representation by superimposing facial and intraoral digital scans with an additively manufactured intraoral scan body. <i>Journal of Prosthetic Dentistry</i> , 2021 , 126, 459-463 | 4 | 2 |
| 24 | Influence of postpolymerization methods and artificial aging procedures on the fracture resistance and flexural strength of a vat-polymerized interim dental material. <i>Journal of Prosthetic Dentistry</i> , 2021 , | 4 | 2 |
| 23 | Accuracy of a patient 3-dimensional virtual representation obtained from the superimposition of facial and intraoral scans guided by extraoral and intraoral scan body systems. <i>Journal of Prosthetic Dentistry</i> , 2021 , | 4 | 2 |
| 22 | 3D Virtual Patient Representation for Guiding a Maxillary Overdenture Fabrication: A Dental Technique. <i>Journal of Prosthodontics</i> , 2021 , 30, 636-641 | 3.9 | 2 |
| 21 | Accuracy of the Implant Replica Positions on the Complete Edentulous Additive Manufactured Cast. <i>Journal of Prosthodontics</i> , 2020 , 29, 780-786 | 3.9 | 1 |
| 20 | Techniques for locating the screw access hole in cement-retained implant-supported prostheses: A systematic review. <i>Journal of Prosthetic Dentistry</i> , 2021 , | 4 | 1 |
| 19 | Techniques to improve the accuracy of complete-arch implant intraoral digital scans: A systematic review. <i>Journal of Prosthetic Dentistry</i> , 2021 , | 4 | 1 |

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| 18 | Scanning accuracy of nondental structured light extraoral scanners compared with that of a dental-specific scanner. <i>Journal of Prosthetic Dentistry</i> , 2021 , 126, 110-114 | 4 | 1 |
| 17 | Additively manufactured scan body for transferring a virtual 3-dimensional representation to a digital articulator for completely edentulous patients. <i>Journal of Prosthetic Dentistry</i> , 2021 , | 4 | 1 |
| 16 | Effect of fluorescent and nonfluorescent glaze pastes on lithium disilicate pressed ceramic color at different thicknesses. <i>Journal of Prosthetic Dentistry</i> , 2021 , 125, 932-939 | 4 | 1 |
| 15 | Fracture resistance of additive manufactured and milled implant-supported interim crowns. <i>Journal of Prosthetic Dentistry</i> , 2021 , | 4 | 1 |
| 14 | Self-perception and self-representation preference between 2-dimensional and 3-dimensional facial reconstructions among dentists, dental students, and laypersons. <i>Journal of Prosthetic Dentistry</i> , 2021 , | 4 | 1 |
| 13 | Surface roughness and shear bond strength to composite resin of additively manufactured interim restorative material with different printing orientations. <i>Journal of Prosthetic Dentistry</i> , 2021 , | 4 | 1 |
| 12 | Influence of ambient light conditions on the accuracy and scanning time of seven intraoral scanners in complete-arch implant scans.. <i>Journal of Dentistry</i> , 2022 , 104138 | 4.8 | 1 |
| 11 | Fiber-reinforced composite fixed dental prosthesis using an additive manufactured silicone index. <i>Journal of Esthetic and Restorative Dentistry</i> , 2020 , 32, 626-633 | 3.5 | 0 |
| 10 | Additively Manufactured Ingot for Interim Dental Restorations Fabrication Using a Chairside Milling Machine. <i>Journal of Prosthodontics</i> , 2021 , 30, 540-543 | 3.9 | 0 |
| 9 | Prosthetically-Driven Full-Mouth Implant-Supported Protheses Using Guided Surgical Implant Planning with Composite Resin Markers: A Case Report. <i>Journal of Prosthodontics</i> , 2021 , 30, 561-568 | 3.9 | 0 |
| 8 | Additively Manufactured Dental Crown with Color Gradient and Graded Structure: A Technique Report. <i>Journal of Prosthodontics</i> , 2021 , 30, 822-825 | 3.9 | 0 |
| 7 | Intraoral scanners: An American Dental Association Clinical Evaluators Panel survey. <i>Journal of the American Dental Association</i> , 2021 , 152, 669-670.e2 | 1.9 | 0 |
| 6 | Two-layer additively manufactured crown: Proof of concept. <i>Journal of Dentistry</i> , 2021 , 112, 103730 | 4.8 | 0 |
| 5 | Surface Roughness and Bond Strength of Resin Composite to Additively Manufactured Zirconia with Different Porosities.. <i>Journal of Prosthodontics</i> , 2022 , 31, 97-104 | 3.9 | 0 |
| 4 | Additively Manufactured Scan Bodies for Virtual Patient Integration: Different Designs, Manufacturing Procedures, and Clinical Protocols.. <i>Journal of Prosthodontics</i> , 2022 , 31, 23-29 | 3.9 | 0 |
| 3 | Influence of the implant scan body bevel location, implant angulation and position on intraoral scanning accuracy: An in vitro study.. <i>Journal of Dentistry</i> , 2022 , 121, 104122 | 4.8 | 0 |
| 2 | Influence of definitive and interim restorative materials and surface finishing on the scanning accuracy of an intraoral scanner.. <i>Journal of Dentistry</i> , 2022 , 104114 | 4.8 | 0 |
| 1 | Implant-Abutment Discrepancy Before and After Acrylic Resin Veneering of Complete-Arch Titanium Frameworks Manufactured Using Milling and Electron Beam Melting Technologies.. <i>Journal of Prosthodontics</i> , 2022 , 31, 88-96 | 3.9 | |

