

# Marta Revilla-Len

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Clinical evaluation of the effects of cutting off, overlapping, and rescanning procedures on intraoral scanning accuracy.. <i>Journal of Prosthetic Dentistry</i> , <b>2022</b> ,	4	2
88	Influence of ambient temperature changes on intraoral scanning accuracy.. <i>Journal of Prosthetic Dentistry</i> , <b>2022</b> ,	4	3
87	Additive Manufacturing Technologies: Current Status and Future Perspectives.. <i>Journal of Prosthodontics</i> , <b>2022</b> , 31, 4-12	3.9	5
86	Surface Roughness and Bond Strength of Resin Composite to Additively Manufactured Zirconia with Different Porosities.. <i>Journal of Prosthodontics</i> , <b>2022</b> , 31, 97-104	3.9	0
85	Additively Manufactured Scan Bodies for Virtual Patient Integration: Different Designs, Manufacturing Procedures, and Clinical Protocols.. <i>Journal of Prosthodontics</i> , <b>2022</b> , 31, 23-29	3.9	0
84	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> , <b>2022</b> , 31, 88-96	3.9	
83	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> , <b>2022</b> , 121, 104122	4.8	0
82	Influence of definitive and interim restorative materials and surface finishing on the scanning accuracy of an intraoral scanner.. <i>Journal of Dentistry</i> , <b>2022</b> , 104114	4.8	0
81	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> , <b>2022</b> , 104138	4.8	1
80	Chemical Composition, Knoop Hardness, Surface Roughness, and Adhesion Aspects of Additively Manufactured Dental Interim Materials. <i>Journal of Prosthodontics</i> , <b>2021</b> , 30, 698-705	3.9	6
79	Techniques for locating the screw access hole in cement-retained implant-supported prostheses: A systematic review. <i>Journal of Prosthetic Dentistry</i> , <b>2021</b> ,	4	1
78	Influence of rescanning mesh holes on the accuracy of an intraoral scanner: An in vivo study. <i>Journal of Dentistry</i> , <b>2021</b> , 115, 103851	4.8	2
77	Techniques to improve the accuracy of complete-arch implant intraoral digital scans: A systematic review. <i>Journal of Prosthetic Dentistry</i> , <b>2021</b> ,	4	1
76	Impact of the ambient light illuminance conditions on the shade matching capabilities of an intraoral scanner. <i>Journal of Esthetic and Restorative Dentistry</i> , <b>2021</b> , 33, 906-912	3.5	3
75	Three-dimensional virtual representation by superimposing facial and intraoral digital scans with an additively manufactured intraoral scan body. <i>Journal of Prosthetic Dentistry</i> , <b>2021</b> , 126, 459-463	4	2
74	Scanning accuracy of nondental structured light extraoral scanners compared with that of a dental-specific scanner. <i>Journal of Prosthetic Dentistry</i> , <b>2021</b> , 126, 110-114	4	1
73	A vat-polymerized 3-dimensionally printed dual-material occlusal device: A dental technique. <i>Journal of Prosthetic Dentistry</i> , <b>2021</b> , 126, 271-275	4	5

72	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> , <b>2021</b> ,	4	2
71	Additively Manufactured Ingot for Interim Dental Restorations Fabrication Using a Chairside Milling Machine. <i>Journal of Prosthodontics</i> , <b>2021</b> , 30, 540-543	3.9	0
70	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> , <b>2021</b> ,	4	2
69	Artificial intelligence applications in restorative dentistry: A systematic review. <i>Journal of Prosthetic Dentistry</i> , <b>2021</b> ,	4	5
68	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> , <b>2021</b> ,	4	1
67	Flexural strength and Weibull characteristics of stereolithography additive manufactured versus milled zirconia. <i>Journal of Prosthetic Dentistry</i> , <b>2021</b> , 125, 685-690	4	9
66	Prosthetically-Driven Full-Mouth Implant-Supported Protheses Using Guided Surgical Implant Planning with Composite Resin Markers: A Case Report. <i>Journal of Prosthodontics</i> , <b>2021</b> , 30, 561-568	3.9	0
65	3D Virtual Patient Representation for Guiding a Maxillary Overdenture Fabrication: A Dental Technique. <i>Journal of Prosthodontics</i> , <b>2021</b> , 30, 636-641	3.9	2
64	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> , <b>2021</b> , 125, 795-803	4	8
63	Trueness and precision of complete-arch photogrammetry implant scanning assessed with a coordinate-measuring machine. <i>Journal of Prosthetic Dentistry</i> , <b>2021</b> ,	4	5
62	3D printing parameters, supporting structures, slicing, and post-processing procedures of vat-polymerization additive manufacturing technologies: A narrative review. <i>Journal of Dentistry</i> , <b>2021</b> , 109, 103630	4.8	30
61	Artificial intelligence applications in implant dentistry: A systematic review. <i>Journal of Prosthetic Dentistry</i> , <b>2021</b> ,	4	6
60	Artificial intelligence models for tooth-supported fixed and removable prosthodontics: A systematic review. <i>Journal of Prosthetic Dentistry</i> , <b>2021</b> ,	4	6
59	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> , <b>2021</b> , 110, 103690	4.8	6
58	Facial scanning accuracy depending on the alignment algorithm and digitized surface area location: An in vitro study. <i>Journal of Dentistry</i> , <b>2021</b> , 110, 103680	4.8	6
57	Influence of printing angulation on the surface roughness of additive manufactured clear silicone indices: An in vitro study. <i>Journal of Prosthetic Dentistry</i> , <b>2021</b> , 125, 462-468	4	5
56	Chemical composition, surface roughness, and ceramic bond strength of additively manufactured cobalt-chromium dental alloys. <i>Journal of Prosthetic Dentistry</i> , <b>2021</b> , 125, 825-831	4	7
55	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> , <b>2021</b> , 125, 569-575	4	3

54	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> , <b>2021</b> , 125, 470-478	4	13
53	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> , <b>2021</b> , 125, 918-923	4	5
52	Effect of fluorescent and nonfluorescent glaze pastes on lithium disilicate pressed ceramic color at different thicknesses. <i>Journal of Prosthetic Dentistry</i> , <b>2021</b> , 125, 932-939	4	1
51	Influence of the Rinsing Postprocessing Procedures on the Manufacturing Accuracy of Vat-Polymerized Dental Model Material. <i>Journal of Prosthodontics</i> , <b>2021</b> , 30, 610-616	3.9	5
50	Analysis of Different Illuminance of the Room Lighting Condition on the Accuracy (Trueness and Precision) of An Intraoral Scanner. <i>Journal of Prosthodontics</i> , <b>2021</b> , 30, 157-162	3.9	14
49	Fracture resistance of additive manufactured and milled implant-supported interim crowns. <i>Journal of Prosthetic Dentistry</i> , <b>2021</b> ,	4	1
48	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> , <b>2021</b> ,	4	3
47	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> , <b>2021</b> ,	4	1
46	Manufacturing accuracy and volumetric changes of stereolithography additively manufactured zirconia with different porosities. <i>Journal of Prosthetic Dentistry</i> , <b>2021</b> ,	4	4
45	Additively Manufactured Dental Crown with Color Gradient and Graded Structure: A Technique Report. <i>Journal of Prosthodontics</i> , <b>2021</b> , 30, 822-825	3.9	0
44	Intraoral scanners: An American Dental Association Clinical Evaluators Panel survey. <i>Journal of the American Dental Association</i> , <b>2021</b> , 152, 669-670.e2	1.9	0
43	Two-layer additively manufactured crown: Proof of concept. <i>Journal of Dentistry</i> , <b>2021</b> , 112, 103730	4.8	0
42	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> , <b>2021</b> ,	4	1
41	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> , <b>2021</b> , 33, 143-151	3.5	4
40	Additive Manufacturing in Dentistry: Current Technologies, Clinical Applications, and Limitations. <i>Current Oral Health Reports</i> , <b>2020</b> , 7, 327-334	1.2	5
39	Layperson and Dental Professional Perception When Evaluating Their Own Virtually 2D or 3D Simulated Esthetic Discrepancies. <i>Journal of Prosthodontics</i> , <b>2020</b> , 29, 466-471	3.9	2
38	Clinical Study of the Influence of Ambient Lighting Conditions on the Mesh Quality of an Intraoral Scanner. <i>Journal of Prosthodontics</i> , <b>2020</b> , 29, 651-655	3.9	7
37	A Review of the Applications of Additive Manufacturing Technologies Used to Fabricate Metals in Implant Dentistry. <i>Journal of Prosthodontics</i> , <b>2020</b> , 29, 579-593	3.9	34

36	Digitally Created 3-Piece Additive Manufactured Index for Direct Esthetic Treatment. <i>Journal of Prosthodontics</i> , <b>2020</b> , 29, 436-442	3.9	6
35	Esthetic dental perception comparisons between 2D- and 3D-simulated dental discrepancies. <i>Journal of Prosthetic Dentistry</i> , <b>2020</b> , 124, 763-773	4	4
34	Internal and marginal discrepancies associated with stereolithography (SLA) additively manufactured zirconia crowns. <i>Journal of Prosthetic Dentistry</i> , <b>2020</b> , 124, 730-737	4	13
33	Accuracy of the Implant Replica Positions on the Complete Edentulous Additive Manufactured Cast. <i>Journal of Prosthodontics</i> , <b>2020</b> , 29, 780-786	3.9	1
32	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> , <b>2020</b> , 32, 182-192	3.5	34
31	Color dimensions of additive manufactured interim restorative dental material. <i>Journal of Prosthetic Dentistry</i> , <b>2020</b> , 123, 754-760	4	18
30	Accuracy (trueness and precision) of a dual-structured light facial scanner and interexaminer reliability. <i>Journal of Prosthetic Dentistry</i> , <b>2020</b> , 124, 567-574	4	19
29	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> , <b>2020</b> , 124, 403-410	4	7
28	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> , <b>2020</b> , 124, 372-378	4	61
27	Influence of scan body design and digital implant analogs on implant replica position in additively manufactured casts. <i>Journal of Prosthetic Dentistry</i> , <b>2020</b> , 124, 202-210	4	14
26	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> , <b>2020</b> , 29, 107-113	3.9	54
25	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> , <b>2020</b> , 124, 575-580	4	27
24	Fiber-reinforced composite fixed dental prosthesis using an additive manufactured silicone index. <i>Journal of Esthetic and Restorative Dentistry</i> , <b>2020</b> , 32, 626-633	3.5	0
23	Reducing the Risk of COVID-19 Transmission in Dental Offices: A Review. <i>Journal of Prosthodontics</i> , <b>2020</b> , 29, 739-745	3.9	5
22	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> , <b>2020</b> , 108, 331-338	3.6	31
21	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> , <b>2020</b> , 123, 564-570	4	27
20	Additive manufacturing technologies for processing zirconia in dental applications. <i>International Journal of Computerized Dentistry</i> , <b>2020</b> , 23, 27-37	4.5	14
19	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> , <b>2019</b> , 122, 482-490	4	4

18	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> , <b>2019</b> , 34, 698-707	2.8	8
17	Workflow description of additively manufactured clear silicone indexes for injected provisional restorations: A novel technique. <i>Journal of Esthetic and Restorative Dentistry</i> , <b>2019</b> , 31, 213-221	3.5	12
16	Digital tools and 3D printing technologies integrated into the workflow of restorative treatment: A clinical report. <i>Journal of Prosthetic Dentistry</i> , <b>2019</b> , 121, 3-8	4	32
15	Fracture Resistance of Additively Manufactured Zirconia Crowns when Cemented to Implant Supported Zirconia Abutments: An in vitro Study. <i>Journal of Prosthodontics</i> , <b>2019</b> , 28, 893-897	3.9	12
14	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> , <b>2019</b> , 28, 855-860	3.9	3
13	Facially Driven Digital Diagnostic Waxing: New Software Features to Simulate and Define Restorative Outcomes. <i>Current Oral Health Reports</i> , <b>2019</b> , 6, 284-294	1.2	13
12	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> , <b>2019</b> , 121, 741-745	4	16
11	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> , <b>2019</b> , 31, 13-19	3.5	3
10	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> , <b>2019</b> , 31, 51-57	3.5	59
9	Additive Manufacturing Technologies Used for Processing Polymers: Current Status and Potential Application in Prosthetic Dentistry. <i>Journal of Prosthodontics</i> , <b>2019</b> , 28, 146-158	3.9	126
8	Metal additive manufacturing technologies: literature review of current status and prosthodontic applications. <i>International Journal of Computerized Dentistry</i> , <b>2019</b> , 22, 55-67	4.5	28
7	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> , <b>2018</b> , 120, 805-811	4	17
6	Discrepancy of complete-arch titanium frameworks manufactured using selective laser melting and electron beam melting additive manufacturing technologies. <i>Journal of Prosthetic Dentistry</i> , <b>2018</b> , 120, 942-947	4	27
5	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> , <b>2018</b> , 26, 31-38	0.9	4
4	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> , <b>2018</b> , 27, 560-567	3.9	22
3	Additive Manufacturing Technologies Used for 3D Metal Printing in Dentistry. <i>Current Oral Health Reports</i> , <b>2017</b> , 4, 201-208	1.2	37
2	Impression technique for a complete-arch prosthesis with multiple implants using additive manufacturing technologies. <i>Journal of Prosthetic Dentistry</i> , <b>2017</b> , 117, 714-720	4	21
1	3D Metal Printing - Additive Manufacturing Technologies for Frameworks of Implant-Borne Fixed Dental Prosthesis. <i>European journal of prosthodontics and restorative dentistry, The</i> , <b>2017</b> , 25, 143-147	0.9	9

