

# Jukka P Matinlinna

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

2,551  
citations

201674

27  
h-index

189892

50  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1950  
citing authors

#	ARTICLE	IF	CITATIONS
1	An introduction to silanes and their clinical applications in dentistry. <i>International Journal of Prosthodontics</i> , 2004, 17, 155-64.	1.7	229
2	Aspects of bonding between resin luting cements and glass ceramic materials. <i>Dental Materials</i> , 2014, 30, e147-e162.	3.5	215
3	Evaluation of resin adhesion to zirconia ceramic using some organosilanes. <i>Dental Materials</i> , 2006, 22, 824-831.	3.5	178
4	Innovations in bonding to zirconia-based materials: Part I. <i>Dental Materials</i> , 2008, 24, 1268-1272.	3.5	164
5	The Effect of Hydrofluoric Acid Etching Duration on the Surface Micromorphology, Roughness, and Wettability of Dental Ceramics. <i>International Journal of Molecular Sciences</i> , 2016, 17, 822.	4.1	109
6	The effect of five silane coupling agents on the bond strength of a luting cement to a silica-coated titanium. <i>Dental Materials</i> , 2007, 23, 1173-1180.	3.5	104
7	Innovations in bonding to zirconia-based materials. Part II: Focusing on chemical interactions. <i>Dental Materials</i> , 2009, 25, 989-993.	3.5	102
8	A new modified laser pretreatment for porcelain zirconia bonding. <i>Dental Materials</i> , 2013, 29, 559-565.	3.5	98
9	The effect of a 3-methacryloxypropyltrimethoxysilane and vinyltriisopropoxysilane blend and tris(3-trimethoxysilylpropyl)isocyanurate on the shear bond strength of composite resin to titanium metal. <i>Dental Materials</i> , 2004, 20, 804-813.	3.5	97
10	Effect of operating air pressure on tribochemical silica-coating. <i>Acta Odontologica Scandinavica</i> , 2007, 65, 241-248.	1.6	86
11	Pilot evaluation of resin composite cement adhesion to zirconia using a novel silane system. <i>Acta Odontologica Scandinavica</i> , 2007, 65, 44-51.	1.6	76
12	Biocompatibility of various dental materials in contemporary dentistry: a narrative insight. <i>Journal of Investigative and Clinical Dentistry</i> , 2013, 4, 9-19.	1.8	76
13	Comparison of mechanical properties of three machinable ceramics with an experimental fluorophlogopite glass ceramic. <i>Journal of Prosthetic Dentistry</i> , 2015, 114, 440-446.	2.8	76
14	Enhanced resin-composite bonding to zirconia framework after pretreatment with selected silane monomers. <i>Dental Materials</i> , 2011, 27, 273-280.	3.5	64
15	Silane Based Concepts on Bonding Resin Composite to Metals. <i>Journal of Contemporary Dental Practice</i> , 2007, 8, 1-8.	0.5	54
16	Resin zirconia bonding promotion with some novel coupling agents. <i>Dental Materials</i> , 2012, 28, 863-872.	3.5	52
17	Characterization of novel silane coatings on titanium implant surfaces. <i>Clinical Oral Implants Research</i> , 2013, 24, 688-697.	4.5	51
18	Effects of sandblasting distance and angles on resin cement bonding to zirconia and titanium. <i>International Journal of Adhesion and Adhesives</i> , 2015, 62, 25-31.	2.9	50

#	ARTICLE	IF	CITATIONS
19	Insights into Porcelain to Zirconia Bonding. <i>Journal of Adhesion Science and Technology</i> , 2012, 26, 1249-1265.	2.6	48
20	Evaluation of four surface coating treatments for resin to zirconia bonding. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014, 32, 300-309.	3.1	46
21	Effect of drying time of 3-methacryloxypropyltrimethoxysilane on the shear bond strength of a composite resin to silica-coated base/noble alloys. <i>Dental Materials</i> , 2004, 20, 586-590.	3.5	42
22	Effects of different sterilization methods on surface characteristics and biofilm formation on zirconia in vitro. <i>Dental Materials</i> , 2018, 34, 272-281.	3.5	39
23	Shear bond strength of Bis-GMA resin and methacrylated dendrimer resins on silanized titanium substrate. <i>Dental Materials</i> , 2005, 21, 287-296.	3.5	38
24	Bonding promotion of resin composite to silica-coated zirconia implant surface using a novel silane system. <i>Clinical Oral Implants Research</i> , 2013, 24, 290-296.	4.5	35
25	Experimental Novel Silane System in Adhesion Promotion Between Dental Resin and Pretreated Titanium. <i>Silicon</i> , 2009, 1, 249-254.	3.3	31
26	Experimental Novel Silane System in Adhesion Promotion between Dental Resin and Pretreated Titanium. Part II: Effect of Long-Term Water Storage. <i>Silicon</i> , 2010, 2, 79-85.	3.3	30
27	Thermocycling Effects on Resin Bond to Silicized and Silanized Zirconia. <i>Journal of Adhesion Science and Technology</i> , 2009, 23, 1043-1051.	2.6	29
28	Bond strength of a dental leucite-based glass ceramic to a resin cement using different silane coupling agents. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2013, 17, 327-332.	3.1	27
29	Resin Bonding to Silicized Zirconia with Two Isocyanatosilanes and a Cross-linking Silane. Part I: Experimental. <i>Silicon</i> , 2010, 2, 153-161.	3.3	25
30	Influence of Grit-Blasting and Hydrofluoric Acid Etching Treatment on Surface Characteristics and Biofilm Formation on Zirconia. <i>Coatings</i> , 2017, 7, 130.	2.6	23
31	Dental Zirconia Adhesion with Silicon Compounds Using Some Experimental and Conventional Surface Conditioning Methods. <i>Silicon</i> , 2009, 1, 199-202.	3.3	21
32	Effects of Different Silane Coupling Agent Monomers on Flexural Strength of an Experimental Filled Resin Composite. <i>Journal of Adhesion Science and Technology</i> , 2011, 25, 179-192.	2.6	21
33	Effects of silver diammine fluoride on microtensile bond strength of GIC to dentine. <i>International Journal of Adhesion and Adhesives</i> , 2016, 70, 196-203.	2.9	21
34	Surface modification of titanium with thermally treated polydimethylsiloxane coating and the effect on resin to titanium adhesion. <i>Surface and Interface Analysis</i> , 2015, 47, 105-112.	1.8	16
35	An introduction of biological performance of zirconia with different surface characteristics: A review. <i>Dental Materials Journal</i> , 2020, 39, 523-530.	1.8	16
36	Monomer priming of denture teeth and its effects on the bond strength of composite resin. <i>Journal of Prosthetic Dentistry</i> , 2014, 112, 257-266.	2.8	15

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37	Penetration depth of monomer systems into acrylic resin denture teeth used as pontics. Journal of Prosthetic Dentistry, 2015, 113, 480-487.	2.8	14
38	&lt;p&gt;Evaluation Of The Effect Of Different Surface Treatments, Aging And Enzymatic Degradation On Zirconia-Resin Micro-Shear Bond Strength&lt;/p&gt;. Clinical, Cosmetic and Investigational Dentistry, 2020, Volume 12, 1-8.	1.6	14
39	Finite element analysis to compare stress distribution of gold alloy, lithiumâ€silicate reinforced glass ceramic and zirconia based fixed partial denture. Journal of Investigative and Clinical Dentistry, 2012, 3, 291-297.	1.8	13
40	Candida albicans aspects of binary titanium alloys for biomedical applications. International Journal of Energy Production and Management, 2020, 7, 213-220.	3.7	13
41	&lt;p&gt;Effect of different combinations of surface treatment on adhesion of resin composite to zirconia&lt;/p&gt;. Clinical, Cosmetic and Investigational Dentistry, 2019, Volume 11, 119-129.	1.6	12
42	Combined Novel Bonding Method of Resin to Zirconia Ceramic in Dentistry: A Pilot Study. Journal of Adhesion Science and Technology, 2011, 25, 1049-1060.	2.6	11
43	Promotion of Adhesion Between Resin and Silica-coated Titanium by Silane Monomers and Formic Acid Catalyst. Silicon, 2010, 2, 87-93.	3.3	10
44	Resin Bonding to Silicatized Zirconia with Two Isocyanatosilanes and a Cross-linking Silane. Part II: Mechanistic Approach. Silicon, 2010, 2, 163-169.	3.3	10
45	Prolonged UV-C Irradiation is a Double-Edged Sword on the Zirconia Surface. ACS Omega, 2020, 5, 5126-5133.	3.5	10
46	Fracture behavior of pontics of fiber-reinforced composite fixed dental prostheses. Dental Materials Journal, 2015, 34, 746-753.	1.8	8
47	A simple solution to recycle and reuse dental CAD/CAM zirconia block from its waste residuals. Journal of Prosthodontic Research, 2021, 65, 311-320.	2.8	8
48	Dental implants materials and surface treatments. , 2019, , 581-598.		6
49	The influence of experimental silane primers on dentin bond strength and morphology: A laboratory and finite element analysis study. Journal of Prosthetic Dentistry, 2014, 112, 1498-1506.	2.8	5
50	<scp>EPA</scp>â€coated titanium implants promote osteoconduction in white <scp>N</scp>ew <scp>Z</scp>ealand rabbits. Clinical Oral Implants Research, 2016, 27, 303-309.	4.5	4
51	Two-step vs. one-step conditioning systems and adhesive interface of glass ceramic surface and resin systems. Journal of Adhesion Science and Technology, 2018, 32, 1952-1963.	2.6	3
52	Silver deposition on demineralized dentine surface dosed by silver diammine fluoride with different saliva. Journal of Investigative and Clinical Dentistry, 2019, 10, e12382.	1.8	3
53	Effect of experimental silaneâ€based primers with various contents of 2â€hydroxyethyl methacrylate on the bond strength of orthodontic adhesives. Journal of Investigative and Clinical Dentistry, 2015, 6, 161-169.	1.8	2
54	3D Printingâ€A Way Forward. , 2022, , 75-96.		1