

Pekka K Vallittu

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201
papers

5,359
citations

37
h-index

64
g-index

216
ext. papers

6,343
ext. citations

3.3
avg, IF

6.34
L-index

#	Paper	IF	Citations
201	Effect of endodontic chelating solutions on the bond strength of endodontic sealers. <i>Brazilian Oral Research</i> , 2015 , 29,	2.6	496
200	Flexural properties of acrylic resin polymers reinforced with unidirectional and woven glass fibers. <i>Journal of Prosthetic Dentistry</i> , 1999 , 81, 318-26	4	304
199	Resin-bonded, glass fiber-reinforced composite fixed partial dentures: a clinical study. <i>Journal of Prosthetic Dentistry</i> , 2000 , 84, 413-8	4	186
198	Effect of fiber position and orientation on fracture load of fiber-reinforced composite. <i>Dental Materials</i> , 2004 , 20, 947-55	5.7	178
197	Physical properties and depth of cure of a new short fiber reinforced composite. <i>Dental Materials</i> , 2013 , 29, 835-41	5.7	163
196	Outcomes of cranioplasty with synthetic materials and autologous bone grafts. <i>World Neurosurgery</i> , 2015 , 83, 708-14	2.1	127
195	Effect of polymerization temperature and time on the residual monomer content of denture base polymers. <i>European Journal of Oral Sciences</i> , 1998 , 106, 588-93	2.3	124
194	Acrylic resin-fiber composite--Part I: The effect of fiber concentration on fracture resistance. <i>Journal of Prosthetic Dentistry</i> , 1994 , 71, 607-12	4	116
193	High-aspect ratio fillers: fiber-reinforced composites and their anisotropic properties. <i>Dental Materials</i> , 2015 , 31, 1-7	5.7	109
192	Survival rates of resin-bonded, glass fiber-reinforced composite fixed partial dentures with a mean follow-up of 42 months: a pilot study. <i>Journal of Prosthetic Dentistry</i> , 2004 , 91, 241-6	4	108
191	Optical properties and light irradiance of monolithic zirconia at variable thicknesses. <i>Dental Materials</i> , 2015 , 31, 1180-7	5.7	103
190	The effect of fiber orientation on the thermal expansion coefficients of fiber-reinforced composites. <i>Dental Materials</i> , 2003 , 19, 471-7	5.7	98
189	Acrylic resin-fiber composite--Part II: The effect of polymerization shrinkage of polymethyl methacrylate applied to fiber roving on transverse strength. <i>Journal of Prosthetic Dentistry</i> , 1994 , 71, 613-7	4	75
188	Polymerization shrinkage of experimental short glass fiber-reinforced composite with semi-interpenetrating polymer network matrix. <i>Dental Materials</i> , 2008 , 24, 211-5	5.7	71
187	Interpenetrating Polymer Networks (IPNs) in Dental Polymers and Composites. <i>Journal of Adhesion Science and Technology</i> , 2009 , 23, 961-972	2	70
186	The effect of high fiber fraction on some mechanical properties of unidirectional glass fiber-reinforced composite. <i>Dental Materials</i> , 2011 , 27, 313-21	5.7	65
185	Reconstruction of critical size calvarial bone defects in rabbits with glass-fiber-reinforced composite with bioactive glass granule coating. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2008 , 84, 510-9	3.5	62

184	Fiber glass-bioactive glass composite for bone replacing and bone anchoring implants. <i>Dental Materials</i> , 2015 , 31, 371-81	5.7	60
183	Influence of increment thickness on light transmission, degree of conversion and micro hardness of bulk fill composites. <i>Odontology / the Society of the Nippon Dental University</i> , 2016 , 104, 291-7	3.6	51
182	Factors affecting the mechanical behavior of Y-TZP. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014 , 37, 78-87	4.1	51
181	Mechanical and structural characterization of discontinuous fiber-reinforced dental resin composite. <i>Journal of Dentistry</i> , 2016 , 52, 70-8	4.8	51
180	Mechanical properties, fracture resistance, and fatigue limits of short fiber reinforced dental composite resin. <i>Journal of Prosthetic Dentistry</i> , 2016 , 115, 95-102	4	48
179	The span length and cross-sectional design affect values of strength. <i>Dental Materials</i> , 2005 , 21, 347-53	5.7	46
178	Adherence of Streptococcus mutans to an E-glass fiber-reinforced composite and conventional restorative materials used in prosthetic dentistry. <i>Journal of Biomedical Materials Research Part B</i> , 2000 , 49, 250-6		44
177	Degree of conversion of dual-polymerizing cements light polymerized through monolithic zirconia of different thicknesses and types. <i>Journal of Prosthetic Dentistry</i> , 2015 , 114, 103-8	4	43
176	Evaluation of polymerization shrinkage and hydroscopic expansion of fiber-reinforced biocomposites using optical fiber Bragg grating sensors. <i>Dental Materials</i> , 2008 , 24, 1720-7	5.7	43
175	Bonding polycarbonate brackets to ceramic: effects of substrate treatment on bond strength. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2004 , 126, 220-7	2.1	43
174	Oxygen inhibition layer of composite resins: effects of layer thickness and surface layer treatment on the interlayer bond strength. <i>European Journal of Oral Sciences</i> , 2015 , 123, 53-60	2.3	41
173	Preparation of antibacterial and radio-opaque dental resin with new polymerizable quaternary ammonium monomer. <i>Dental Materials</i> , 2015 , 31, 575-82	5.7	41
172	High volume individual fibre post versus low volume fibre post: the fracture load of the restored tooth. <i>Journal of Dentistry</i> , 2011 , 39, 65-71	4.8	41
171	Short fiber-reinforced composite restorations: A review of the current literature. <i>Journal of Investigative and Clinical Dentistry</i> , 2018 , 9, e12330	2.3	40
170	Does artificial aging affect mechanical properties of CAD/CAM composite materials. <i>Journal of Prosthodontic Research</i> , 2018 , 62, 65-74	4.3	40
169	Characterization of fluoride releasing restorative dental materials. <i>Dental Materials Journal</i> , 2018 , 37, 293-300	2.5	40
168	Mechanical properties and fracture behavior of flowable fiber reinforced composite restorations. <i>Dental Materials</i> , 2018 , 34, 598-606	5.7	39
167	Comparison of repair methods for ceramic-fused-to-metal crowns. <i>Journal of Prosthodontics</i> , 2006 , 15, 283-8	3.9	37

166	Effect of random/aligned nylon-6/MWCNT fibers on dental resin composite reinforcement. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015 , 48, 134-144	4.1	36
165	The anisotropicity of the flexural properties of an occlusal device material processed by stereolithography. <i>Journal of Prosthetic Dentistry</i> , 2016 , 116, 811-817	4	36
164	Mechanical properties of fiber reinforced restorative composite with two distinguished fiber length distribution. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016 , 60, 331-338	4.1	34
163	Osteoblast proliferation and maturation on bioactive fiber-reinforced composite surface. <i>Journal of Materials Science: Materials in Medicine</i> , 2008 , 19, 3169-77	4.5	34
162	Preliminary fabrication and characterization of electron beam melted Ti-6Al-4V customized dental implant. <i>Saudi Journal of Biological Sciences</i> , 2017 , 24, 787-796	4	33
161	Bioactive glass-containing cranial implants: an overview. <i>Journal of Materials Science</i> , 2017 , 52, 8772-8784	4.3	33
160	Impact of gastric acidic challenge on surface topography and optical properties of monolithic zirconia. <i>Dental Materials</i> , 2015 , 31, 1445-52	5.7	33
159	Repair bond strength of restorative resin composite applied to fiber-reinforced composite substrate. <i>Acta Odontologica Scandinavica</i> , 2004 , 62, 51-60	2.2	33
158	Force levels of fiber-reinforced composites and orthodontic stainless steel wires: a 3-point bending test. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2008 , 133, 410-3	2.1	32
157	Flexural strengths of fiber-reinforced composites polymerized with conventional light-curing and additional postcuring. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2007 , 132, 524-7	2.1	30
156	Load bearing capacity of bone anchored fiber-reinforced composite device. <i>Journal of Materials Science: Materials in Medicine</i> , 2007 , 18, 2025-31	4.5	30
155	A glass fiber-reinforced composite - bioactive glass cranioplasty implant: A case study of an early development stage implant removed due to a late infection. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015 , 55, 191-200	4.1	28
154	Synthesis of antibacterial and radio-opaque dimethacrylate monomers and their potential application in dental resin. <i>Dental Materials</i> , 2014 , 30, 968-76	5.7	28
153	The effect of adding a new monomer "Phene" on the polymerization shrinkage reduction of a dental resin composite. <i>Dental Materials</i> , 2019 , 35, 627-635	5.7	27
152	Failure load and stress analysis of orthodontic miniscrews with different transmucosal collar diameter. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018 , 87, 132-137	4.1	27
151	Bioactive glass particulate filler composite: Effect of coupling of fillers and filler loading on some physical properties. <i>Dental Materials</i> , 2014 , 30, 570-7	5.7	27
150	Hollow glass fibers in reinforcing glass ionomer cements. <i>Dental Materials</i> , 2017 , 33, e86-e93	5.7	27
149	Compositional and weave pattern analyses of glass fibers in dental polymer fiber composites. <i>Journal of Prosthodontics</i> , 1998 , 7, 170-6	3.9	27

148	Repair of bone segment defects with surface porous fiber-reinforced polymethyl methacrylate (PMMA) composite prosthesis: histomorphometric incorporation model and characterization by SEM. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2008 , 79, 555-64	4.3	27
147	Effect of 10 years of in vitro aging on the flexural properties of fiber-reinforced resin composites. <i>International Journal of Prosthodontics</i> , 2007 , 20, 43-5	1.9	27
146	Thermocycling Effects on Resin Bond to Silicatized and Silanized Zirconia. <i>Journal of Adhesion Science and Technology</i> , 2009 , 23, 1043-1051	2	26
145	Rehabilitation of a periodontal patient with rapidly progressing marginal alveolar bone loss: 1-year follow-up. <i>Journal of Clinical Periodontology</i> , 2000 , 27, 615-9	7.7	26
144	Improvement of Mechanical Properties of Oligomer-modified Acrylic Bone Cement with Glass-fibers. <i>Applied Composite Materials</i> , 2004 , 11, 17-31	2	25
143	Physical and chemical properties of an antimicrobial Bis-GMA free dental resin with quaternary ammonium dimethacrylate monomer. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016 , 56, 68-76	4.1	24
142	Load bearing capacity of fiber-reinforced and unreinforced composite resin CAD/CAM-fabricated fixed dental prostheses. <i>Journal of Prosthetic Dentistry</i> , 2013 , 109, 88-94	4	24
141	Experimental Novel Silane System in Adhesion Promotion Between Dental Resin and Pretreated Titanium. <i>Silicon</i> , 2009 , 1, 249-254	2.4	24
140	Continuous and short fiber reinforced composite in root post-core system of severely damaged incisors. <i>Open Dentistry Journal</i> , 2009 , 3, 36-41	0.8	24
139	Fiber-reinforced composite substructure: load-bearing capacity of an onlay restoration. <i>Acta Odontologica Scandinavica</i> , 2006 , 64, 281-5	2.2	24
138	Characterization of a new fiber-reinforced flowable composite. <i>Odontology / the Society of the Nippon Dental University</i> , 2019 , 107, 342-352	3.6	24
137	Porous SiO ₂ nanofiber grafted novel bioactive glass-ceramic coating: A structural scaffold for uniform apatite precipitation and oriented cell proliferation on inert implant. <i>Materials Science and Engineering C</i> , 2016 , 62, 206-14	8.3	23
136	Adherence of Streptococcus mutans to Fiber-Reinforced Filling Composite and Conventional Restorative Materials. <i>Open Dentistry Journal</i> , 2009 , 3, 227-32	0.8	23
135	Fatigue resistance and stiffness of glass fiber-reinforced urethane dimethacrylate composite. <i>Journal of Prosthetic Dentistry</i> , 2004 , 91, 158-63	4	23
134	Degree of conversion of a copolymer of an experimental monomer and methyl methacrylate for dental applications. <i>Journal of Applied Polymer Science</i> , 2004 , 93, 1908-1912	2.9	23
133	In vitro cytotoxicity and surface topography evaluation of additive manufacturing titanium implant materials. <i>Journal of Materials Science: Materials in Medicine</i> , 2017 , 28, 53	4.5	22
132	Effects of nanofillers on mechanical properties of fiber-reinforced composites polymerized with light-curing and additional postcuring. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2015 , 13, e296-9	1.8	22
131	Fracture resistance and marginal gap formation of post-core restorations: influence of different fiber-reinforced composites. <i>Clinical Oral Investigations</i> , 2020 , 24, 265-276	4.2	22

130	Physical, mechanical, chemical and thermal properties of nanoscale graphene oxide-poly methylmethacrylate composites. <i>Journal of Composite Materials</i> , 2018 , 52, 2803-2813	2.7	21
129	An overview of development and status of fiber-reinforced composites as dental and medical biomaterials. <i>Acta Biomaterialia Odontologica Scandinavica</i> , 2018 , 4, 44-55	4	21
128	Treated enamel surface patterns associated with five orthodontic adhesive systems--surface morphology and shear bond strength. <i>Dental Materials Journal</i> , 2008 , 27, 1-6	2.5	21
127	Fracture load of tooth restored with fiber post and experimental short fiber composite. <i>Open Dentistry Journal</i> , 2011 , 5, 58-65	0.8	21
126	Flexural strengths of conventional and nanofilled fiber-reinforced composites: a three-point bending test. <i>Dental Traumatology</i> , 2014 , 30, 32-5	4.5	19
125	Synthesis of dimethacrylates monomers with low polymerization shrinkage and its application in dental composites materials. <i>Journal of Polymer Research</i> , 2012 , 19, 1	2.7	19
124	Dental Zirconia Adhesion with Silicon Compounds Using Some Experimental and Conventional Surface Conditioning Methods. <i>Silicon</i> , 2009 , 1, 199-202	2.4	19
123	Predictors of primary autograft cranioplasty survival and resorption after craniectomy. <i>Journal of Neurosurgery</i> , 2018 , 1-8	3.2	18
122	Effect of surface modification on the bond strength between zirconia and resin cement. <i>Journal of Prosthodontics</i> , 2013 , 22, 529-536	3.9	18
121	Evaluation of the mechanical properties and degree of conversion of 3D printed splint material. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021 , 115, 104254	4.1	18
120	Assessment of CAD-CAM polymers for digitally fabricated complete dentures. <i>Journal of Prosthetic Dentistry</i> , 2021 , 125, 175-181	4	17
119	Delayed post-curing stage and oxygen inhibition of free-radical polymerization of dimethacrylate resin. <i>Dental Materials</i> , 2018 , 34, 1247-1252	5.7	16
118	Influence of increment thickness on dentin bond strength and light transmission of composite base materials. <i>Clinical Oral Investigations</i> , 2017 , 21, 1717-1724	4.2	15
117	Three-dimensional finite element analysis of anterior two-unit cantilever resin-bonded fixed dental prostheses. <i>Scientific World Journal, The</i> , 2015 , 2015, 864389	2.2	15
116	Static and dynamic mechanical properties of graphene oxide-based bone cementing agents. <i>Journal of Composite Materials</i> , 2019 , 53, 2297-2304	2.7	14
115	Cranioplasty After Severe Traumatic Brain Injury: Effects of Trauma and Patient Recovery on Cranioplasty Outcome. <i>Frontiers in Neurology</i> , 2018 , 9, 223	4.1	14
114	Monomer priming of denture teeth and its effects on the bond strength of composite resin. <i>Journal of Prosthetic Dentistry</i> , 2014 , 112, 257-66	4	14
113	Effect of Long-Term Brushing on Deflection, Maximum Load, and Wear of Stainless Steel Wires and Conventional and Spot Bonded Fiber-Reinforced Composites. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	13

112	Patient specific glass fiber reinforced composite versus titanium plate: A comparative biomechanical analysis under cyclic dynamic loading. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019 , 91, 212-219	4.1	13
111	Effect of discontinuous glass fibers on mechanical properties of glass ionomer cement. <i>Acta Biomaterialia Odontologica Scandinavica</i> , 2018 , 4, 72-80	4	12
110	The effect of exposed glass fibers and particles of bioactive glass on the surface wettability of composite implants. <i>International Journal of Biomaterials</i> , 2011 , 2011, 607971	3.2	12
109	Fatigue failure load of immature anterior teeth: influence of different fiber post-core systems. <i>Odontology / the Society of the Nippon Dental University</i> , 2021 , 109, 222-230	3.6	12
108	Polymer matrix of fiber-reinforced composites: Changes in the semi-interpenetrating polymer network during the shelf life. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018 , 78, 414-419	4.1	12
107	Fiber-reinforced composite fixed dental prostheses with various pontics. <i>Journal of Adhesive Dentistry</i> , 2014 , 16, 161-8	3	12
106	Penetration depth of monomer systems into acrylic resin denture teeth used as pontics. <i>Journal of Prosthetic Dentistry</i> , 2015 , 113, 480-7	4	11
105	Effect of solvent/disinfectant ethanol on the micro-surface structure and properties of multiphase denture base polymers. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016 , 54, 1-7	4.1	11
104	Framework design and pontics of fiber-reinforced composite fixed dental prostheses - An overview. <i>Journal of Prosthodontic Research</i> , 2018 , 62, 281-286	4.3	11
103	Effect of heat treatment of polymethyl methacrylate powder on mechanical properties of denture base resin. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014 , 39, 73-8	4.1	11
102	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	11
101	Fracture behavior of Bi-structure fiber-reinforced composite restorations. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020 , 101, 103444	4.1	11
100	Influence of primers on the properties of the adhesive interface between resin composite luting cement and fiber-reinforced composite. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018 , 88, 281-287	4.1	11
99	Evaluation and reduction of magnetic resonance imaging artefacts induced by distinct plates for osseous fixation: an in vitro study @ 3T. <i>Dentomaxillofacial Radiology</i> , 2018 , 47, 20170361	3.9	11
98	Bending Properties of Fiber-Reinforced Composites Retainers Bonded with Spot-Composite Coverage. <i>BioMed Research International</i> , 2017 , 2017, 8469090	3	10
97	Comparative color and surface parameters of current esthetic restorative CAD/CAM materials. <i>Journal of Advanced Prosthodontics</i> , 2018 , 10, 32-42	2.2	10
96	Blood and fibroblast responses to thermoset BisGMA-TEGDMA/glass fiber-reinforced composite implants in vitro. <i>Clinical Oral Implants Research</i> , 2014 , 25, 843-51	4.8	10
95	Evaluation of bis-GMA/MMA Resin Adhesion to Silica-Coated and Silanized Titanium. <i>Journal of Adhesion Science and Technology</i> , 2009 , 23, 991-1006	2	10

94	Bonding of BisGMA/TEGDMA-Resin to Bulk Poly(Paraphenylene) Based Rigid Rod Polymer. <i>Composite Interfaces</i> , 2011 , 18, 387-398	2.3	10
93	Mechanical properties and radiopacity of flowable fiber-reinforced composite. <i>Dental Materials Journal</i> , 2019 , 38, 196-202	2.5	10
92	Dissolution and mineralization characterization of bioactive glass ceramic containing endodontic sealer Guttaflow Bioseal. <i>Dental Materials Journal</i> , 2018 , 37, 988-994	2.5	10
91	The effect of cycling deflection on the injection-molded thermoplastic denture base resins. <i>Acta Odontologica Scandinavica</i> , 2016 , 74, 67-72	2.2	9
90	Biomaterial and implant induced ossification: in vitro and in vivo findings. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020 , 14, 1157-1168	4.4	9
89	Load-bearing capacity and fracture behavior of glass fiber-reinforced composite cranioplasty implants. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2017 , 15, e356-e361	1.8	9
88	Intensity of artefacts in cone beam CT examinations caused by titanium and glass fibre-reinforced composite implants. <i>Dentomaxillofacial Radiology</i> , 2019 , 48, 20170471	3.9	9
87	Characterization of restorative short-fiber reinforced dental composites. <i>Dental Materials Journal</i> , 2020 , 39, 992-999	2.5	9
86	Bond Strength of Composite Resin Luting Cements to Fiber-reinforced Composite Root Canal Post. <i>Journal of Contemporary Dental Practice</i> , 2007 , 8, 17-24	0.7	9
85	Effect of cellulose nanofiber content on flexural properties of a model, thermoplastic, injection-molded, polymethyl methacrylate denture base material. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020 , 102, 103513	4.1	9
84	Fatigue behavior of endodontically treated premolars restored with different fiber-reinforced designs. <i>Dental Materials</i> , 2021 , 37, 391-402	5.7	9
83	Fatigue failure of anterior teeth without ferrule restored with individualized fiber-reinforced post-core foundations. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021 , 118, 104440	4.1	9
82	Bioactive glass surface for fiber reinforced composite implants via surface etching by Excimer laser. <i>Medical Engineering and Physics</i> , 2016 , 38, 664-670	2.4	8
81	Shear Bond Strength between Fiber-Reinforced Composite and Veneering Resin Composites with Various Adhesive Resin Systems. <i>Journal of Prosthodontics</i> , 2016 , 25, 392-401	3.9	8
80	Fracture resistance of endodontically restored, weakened incisors. <i>Dental Traumatology</i> , 2014 , 30, 348-355	4.5	8
79	In vitro blood and fibroblast responses to BisGMA-TEGDMA/bioactive glass composite implants. <i>Journal of Materials Science: Materials in Medicine</i> , 2014 , 25, 151-62	4.5	8
78	Resin-bonded fiber-reinforced composite for direct replacement of missing anterior teeth: a clinical report. <i>International Journal of Dentistry</i> , 2011 , 2011, 845420	1.9	8
77	Fiber-reinforced composites in fixed partial dentures. <i>Libyan Journal of Medicine</i> , 2006 , 1, 73-82	1.4	8

76	Nano-CT as tool for characterization of dental resin composites. <i>Scientific Reports</i> , 2020 , 10, 15520	4.9	8
75	Preparation and characterization of high radio-opaque E-glass fiber-reinforced composite with iodine containing methacrylate monomer. <i>Dental Materials</i> , 2017 , 33, 218-225	5.7	7
74	The effect of ethanol on surface of semi-interpenetrating polymer network (IPN) polymer matrix of glass-fibre reinforced composite. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019 , 98, 1-10	4.1	7
73	Hierarchically Designed Bioactive Glassy Nanocoatings for the Growth of Faster and Uniformly Dense Apatite. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 2428-2437	3.8	7
72	Direct bilayered biomimetic composite restoration: The effect of a cusp-supporting short fiber-reinforced base design on the chewing fracture resistance and failure mode of molars with or without endodontic treatment. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020 , 103, 103554	4.1	7
71	Characterization of the mechanical properties of CAD/CAM polymers for interim fixed restorations. <i>Dental Materials Journal</i> , 2020 , 39, 319-325	2.5	7
70	Biomechanical aspects of reinforced implant overdentures: A systematic review. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019 , 91, 202-211	4.1	7
69	Direct composite resin restoration of an anterior tooth: effect of fiber-reinforced composite substructure. <i>European journal of prosthodontics and restorative dentistry, The</i> , 2007 , 15, 61-6	0.9	7
68	A large calvarial bone defect in a child: osteointegration of an implant. <i>World Neurosurgery</i> , 2019 , 124, 282-282	2.1	6
67	Reinforcing effect of discontinuous microglass fibers on resin-modified glass ionomer cement. <i>Dental Materials Journal</i> , 2018 , 37, 484-492	2.5	6
66	Reinforcing Effect of Glass Fiber-incorporated ProRoot MTA and Biodentine as Intraorifice Barriers. <i>Journal of Endodontics</i> , 2016 , 42, 1673-1676	4.7	6
65	Flexural and torsional properties of a glass fiber-reinforced composite diaphyseal bone model with multidirectional fiber orientation. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018 , 87, 143-147	4.1	6
64	Fracture resistance of CAD/CAM-fabricated fiber-reinforced composite denture retainers. <i>International Journal of Prosthodontics</i> , 2013 , 26, 381-3	1.9	6
63	Travel beyond Clinical Uses of Fiber Reinforced Composites (FRCs) in Dentistry: A Review of Past Employments, Present Applications, and Future Perspectives. <i>BioMed Research International</i> , 2018 , 2018, 1498901	3	6
62	Physicochemical properties of dimethacrylate resin composites with comonomer of Hexa/Tri-ethylene glycol bis(carbamate-isopropyl-methylstyrene). <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020 , 108, 103832	4.1	5
61	The effect of polishing protocol on surface gloss of different restorative resin composites. <i>Biomaterial Investigations in Dentistry</i> , 2020 , 7, 1-8	2	5
60	Development of nano-porous hydroxyapatite coated e-glass for potential bone-tissue engineering application: An in vitro approach. <i>Materials Science and Engineering C</i> , 2020 , 111, 110764	8.3	5
59	Comparative evaluation between glass and polyethylene fiber reinforced composites: A review of the current literature. <i>Journal of Clinical and Experimental Dentistry</i> , 2017 , 9, e1408-e1417	1.4	5

58	Bonding interface affects the load-bearing capacity of bilayered composites. <i>Dental Materials Journal</i> , 2019 , 38, 1002-1011	2.5	5
57	Fatigue Resistance of Resin-Bonded Post-Core Crown Treated Teeth with Flared Root Canal. <i>Journal of Adhesion Science and Technology</i> , 2009 , 23, 1113-1124	2	5
56	3D-Printed vs. Heat-Polymerizing and Autopolymerizing Denture Base Acrylic Resins. <i>Materials</i> , 2021 , 14,	3.5	5
55	Resin adjustment of three-dimensional printed thermoset occlusal splints: Bonding properties - Short communication. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019 , 95, 215-219	4.1	4
54	Biostable glass fibre-reinforced dimethacrylate-based composites as potential candidates for fracture fixation plates in toy-breed dogs: Mechanical testing and finite element analysis. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019 , 96, 172-185	4.1	4
53	In vitro assessment of the soft tissue/implant interface using porcine gingival explants. <i>Journal of Materials Science: Materials in Medicine</i> , 2015 , 26, 5385	4.5	4
52	Fiber-Reinforced Composites for Implant Applications. <i>Current Oral Health Reports</i> , 2018 , 5, 194-201	1.2	4
51	Influence of intermediate resin on the bond strength of light-curing composite resin to polymer substrate. <i>Acta Odontologica Scandinavica</i> , 2014 , 72, 202-8	2.2	4
50	Spot-Bonding and Full-Bonding Techniques for Fiber Reinforced Composite (FRC) and Metallic Retainers. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	4
49	Incorporation of cellulose fiber in glass ionomer cement. <i>European Journal of Oral Sciences</i> , 2020 , 128, 81-88	2.3	4
48	The influence of resin composite with high fiber aspect ratio on fracture resistance of severely damaged bovine incisors. <i>Dental Materials Journal</i> , 2020 , 39, 381-388	2.5	4
47	Bilayered composite restoration: the effect of layer thickness on fracture behavior. <i>Biomaterial Investigations in Dentistry</i> , 2020 , 7, 80-85	2	4
46	Universal Adhesive for Fixed Retainer Bonding: In Vitro Evaluation and Randomized Clinical Trial. <i>Materials</i> , 2021 , 14,	3.5	4
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25	Surface dissolution and transesterification of thermoset dimethacrylate polymer by dimethacrylate adhesive resin and organic catalyst-alcohol solution. <i>Dental Materials</i> , 2020 , 36, 698-709	5.7	2
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