Pekka K Vallittu

List of Publications by Year
in descending order

212 papers	7,447 citations	61984 43 h-index	76900 74 g-index
216 all docs	216 docs citations	216 times ranked	5631 citing authors

#	Article	IF	Citations
1	Fatigue performance of endodontically treated premolars restored with direct and indirect cuspal coverage restorations utilizing fiber-reinforced cores. Clinical Oral Investigations, 2022, 26, 3501-3513.	3.0	11
2	The Effect of Ultraviolet Treatment on TiO2 Nanotubes: A Study of Surface Characteristics, Bacterial Adhesion, and Gingival Fibroblast Response. Metals, 2022, 12, 80.	2.3	3
3	Fatigue performance of endodontically treated molars restored with different dentin replacement materials. Dental Materials, 2022, 38, e83-e93.	3.5	11
4	Fracture Resistance of Anterior Crowns Reinforced by Short-Fiber Composite. Polymers, 2022, 14, 1809.	4.5	2
5	Crack propagation and toughening mechanism of bilayered short-fiber reinforced resin composite structure â€"Evaluation up to six months storage in water. Dental Materials Journal, 2022, 41, 580-588.	1.8	3
6	Midline denture base strains of glass fiber-reinforced single implant-supported overdentures. Journal of Prosthetic Dentistry, 2021, 126, 407-412.	2.8	5
7	Fatigue failure load of immature anterior teeth: influence of different fiber post-core systems. Odontology / the Society of the Nippon Dental University, 2021, 109, 222-230.	1.9	26
8	Assessment of CAD-CAM polymers for digitally fabricated complete dentures. Journal of Prosthetic Dentistry, 2021, 125, 175-181.	2.8	38
9	Evaluation of the mechanical properties and degree of conversion of 3D printed splint material. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 115, 104254.	3.1	53
10	The effect of refractive index of fillers and polymer matrix on translucency and color matching of dental resin composite. Biomaterial Investigations in Dentistry, 2021, 8, 48-53.	1.8	31
11	Behaviour of different bioactive glasses incorporated in polydimethylsiloxane endodontic sealer. Dental Materials, 2021, 37, 321-327.	3.5	9
12	Fatigue behavior of endodontically treated premolars restored with different fiber-reinforced designs. Dental Materials, 2021, 37, 391-402.	3.5	28
13	Universal Adhesive for Fixed Retainer Bonding: In Vitro Evaluation and Randomized Clinical Trial. Materials, 2021, 14, 1341.	2.9	11
14	Surface Integrity of Dimethacrylate Composite Resins with Low Shrinkage Comonomers. Materials, 2021, 14, 1614.	2.9	2
15	Impact of Fast High-Intensity versus Conventional Light-Curing Protocol on Selected Properties of Dental Composites. Materials, 2021, 14, 1381.	2.9	17
16	Influence of Post-Core and Crown Type on the Fracture Resistance of Incisors Submitted to Quasistatic Loading. Polymers, 2021, 13, 1130.	4.5	16
17	The Effect of Material Type and Location of an Orthodontic Retainer in Resisting Axial or Buccal Forces. Materials, 2021, 14, 2319.	2.9	5
18	Effect of Accelerated Aging on Some Mechanical Properties and Wear of Different Commercial Dental Resin Composites. Materials, 2021, 14, 2769.	2.9	21

#	Article	IF	Citations
19	Enhancing Toughness and Reducing Volumetric Shrinkage for Bis-GMA/TEGDMA Resin Systems by Using Hyperbranched Thiol Oligomer HMDI-6SH. Materials, 2021, 14, 2817.	2.9	3
20	Fatigue failure of anterior teeth without ferrule restored with individualized fiber-reinforced post-core foundations. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 118, 104440.	3.1	19
21	Temporomandibular joint and Giant Pandaâ€™s (Ailuropoda melanoleuca) adaptation to bamboo diet. Scientific Reports, 2021, 11, 14252.	3.3	4
22	Shearâ€bond strength and optical properties of short fiberâ€reinforced CAD/CAM composite blocks. European Journal of Oral Sciences, 2021, 129, e12815.	1.5	8
23	Characterization of Experimental Short-Fiber-Reinforced Dual-Cure Core Build-Up Resin Composites. Polymers, 2021, 13, 2281.	4.5	7
24	Effect of Interpenetrating Polymer Network (IPN) Thermoplastic Resin on Flexural Strength of Fibre-Reinforced Composite and the Penetration of Bonding Resin into Semi-IPN FRC Post. Polymers, 2021, 13, 3200.	4.5	6
25	Structural and elemental characterization of glass and ceramic particles for bone surgery. Dental Materials, 2021, 37, 1350-1357.	3.5	9
26	The influence of FRC base and bonded CAD/CAM resin composite endocrowns on fatigue behavior of cracked endodontically-treated molars. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 121, 104647.	3.1	6
27	Effect of potassium hydrogen difluoride in zirconia-to-resin bonding. Dental Materials Journal, 2021, 40, 245-252.	1.8	2
28	3D-Printed vs. Heat-Polymerizing and Autopolymerizing Denture Base Acrylic Resins. Materials, 2021, 14, 5781.	2.9	49
29	Effect of Fiber Reinforcement Type on the Performance of Large Posterior Restorations: A Review of In Vitro Studies. Polymers, 2021, 13, 3682.	4.5	13
30	Evaluation of New Hollow Sleeve Composites for Direct Post-Core Construction. Materials, 2021, 14, 7397.	2.9	2
31	Fracture resistance and marginal gap formation of post-core restorations: influence of different fiber-reinforced composites. Clinical Oral Investigations, 2020, 24, 265-276.	3.0	38
32	Fracture behavior of Bi-structure fiber-reinforced composite restorations. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 101, 103444.	3.1	25
33	Dual-curing resin cement with colour indicator for adhesively cemented restorations to dental tissues: Change of colour by curing and some physical properties. Saudi Journal of Biological Sciences, 2020, 27, 395-400.	3.8	2
34	Effect of cellulose nanofiber content on flexural properties of a model, thermoplastic, injection-molded, polymethyl methacrylate denture base material. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 102, 103513.	3.1	13
35	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. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 103, 103554.	3.1	15
36	Enhancing Mechanical Properties of Glass Ionomer Cements with Basalt Fibers. Silicon, 2020, 12, 1975-1983.	3.3	4

#	Article	IF	Citations
37	Characterization of the mechanical properties of CAD/CAM polymers for interim fixed restorations. Dental Materials Journal, 2020, 39, 319-325.	1.8	12
38	The influence of resin composite with high fiber aspect ratio on fracture resistance of severely damaged bovine incisors. Dental Materials Journal, 2020, 39, 381-388.	1.8	14
39	Bilayered composite restoration: the effect of layer thickness on fracture behavior. Biomaterial Investigations in Dentistry, 2020, 7, 80-85.	1.8	11
40	Nano-CT as tool for characterization of dental resin composites. Scientific Reports, 2020, 10, 15520.	3.3	19
41	Physicochemical properties of dimethacrylate resin composites with comonomer of Hexa/Tri-ethylene glycol bis(carbamate-isoproply-Î±-methylstyrene). Journal of the Mechanical Behavior of Biomedical Materials, 2020, 108, 103832.	3.1	7
42	Biomaterial and implant induced ossification: in vitro and in vivo findings. Journal of Tissue Engineering and Regenerative Medicine, 2020, 14, 1157-1168.	2.7	26
43	Surface dissolution and transesterification of thermoset dimethacrylate polymer by dimethacrylate adhesive resin and organic catalyst-alcohol solution. Dental Materials, 2020, 36, 698-709.	3.5	4
44	The effect of polishing protocol on surface gloss of different restorative resin composites. Biomaterial Investigations in Dentistry, 2020, 7, 1-8.	1.8	23
45	Development of nano-porous hydroxyapatite coated e-glass for potential bone-tissue engineering application: An in vitro approach. Materials Science and Engineering C, 2020, 111, 110764.	7.3	10
46	Incorporation of cellulose fiber in glass ionomer cement. European Journal of Oral Sciences, 2020, 128, 81-88.	1.5	11
47	Characterization of restorative short-fiber reinforced dental composites. Dental Materials Journal, 2020, 39, 992-999.	1.8	30
48	Scanning electron microscopy assessment of the load-bearing capacity of cad/cam-fabricated molar crowns. Brazilian Oral Research, 2020, 34, e035.	1.4	0
49	Intensity of artefacts in cone beam CT examinations caused by titanium and glass fibre-reinforced composite implants. Dentomaxillofacial Radiology, 2019, 48, 20170471.	2.7	14
50	Predictors of primary autograft cranioplasty survival and resorption after craniectomy. Journal of Neurosurgery, 2019, 130, 1672-1679.	1.6	24
51	Three-dimensional printing of zirconia: characterization of early stage material properties. Biomaterial Investigations in Dentistry, 2019, 6, 23-31.	1.8	8
52	Bonding interface affects the load-bearing capacity of bilayered composites. Dental Materials Journal, 2019, 38, 1002-1011.	1.8	10
53	A Large Calvarial Bone Defect in a Child: Osseointegration of an Implant. World Neurosurgery, 2019, 124, 282-286.	1.3	8
54	Static and dynamic mechanical properties of graphene oxide-based bone cementing agents. Journal of Composite Materials, 2019, 53, 2297-2304.	2.4	21

#	Article	IF	Citations
55	The effect of ethanol on surface of semi-interpenetrating polymer network (IPN) polymer matrix of glass-fibre reinforced composite. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 98, 1-10.	3.1	8
56	Effect of interface surface design on the fracture behavior of bilayered composites. European Journal of Oral Sciences, 2019, 127, 276-284.	1.5	4
57	Resin adjustment of three-dimensional printed thermoset occlusal splints: Bonding properties â€“ Short communication. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 95, 215-219.	3.1	6
58	Biostable glass fibre-reinforced dimethacrylate-based composites as potential candidates for fracture fixation plates in toy-breed dogs: Mechanical testing and finite element analysis.. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 96, 172-185.	3.1	8
59	The effect of adding a new monomer â€œPheneâ€•on the polymerization shrinkage reduction of a dental resin composite. Dental Materials, 2019, 35, 627-635.	3.5	45
60	Priming and bonding metal, ceramic and polycarbonate brackets. Biomaterial Investigations in Dentistry, 2019, 6, 61-72.	1.8	6
61	Scattering of therapeutic radiation in the presence of craniofacial bone reconstruction materials. Journal of Applied Clinical Medical Physics, 2019, 20, 119-126.	1.9	8
62	Effect of Long-Term Brushing on Deflection, Maximum Load, and Wear of Stainless Steel Wires and Conventional and Spot Bonded Fiber-Reinforced Composites. International Journal of Molecular Sciences, 2019, 20, 6043.	4.1	17
63	Biomechanical aspects of reinforced implant overdentures: A systematic review. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 91, 202-211.	3.1	14
64	Patient specific glass fiber reinforced composite versus titanium plate: A comparative biomechanical analysis under cyclic dynamic loading. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 91, 212-219.	3.1	24
65	Mechanical properties and radiopacity of flowable fiber-reinforced composite. Dental Materials Journal, 2019, 38, 196-202.	1.8	18
66	Effect of phytic acid on the setting times and tensile strengths of calcium silicateâ€based cements. Australian Endodontic Journal, 2019, 45, 241-245.	1.5	6
67	Characterization of a new fiber-reinforced flowable composite. Odontology / the Society of the Nippon Dental University, 2019, 107, 342-352.	1.9	48
68	Short fiberâ€reinforced composite restorations: A review of the current literature. Journal of Investigative and Clinical Dentistry, 2018, 9, e12330.	1.8	74
69	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
70	Physical, mechanical, chemical and thermal properties of nanoscale graphene oxide-poly methylmethacrylate composites. Journal of Composite Materials, 2018, 52, 2803-2813.	2.4	27
71	Mechanical properties and fracture behavior of flowable fiber reinforced composite restorations. Dental Materials, 2018, 34, 598-606.	3.5	72
72	An overview of development and status of fiber-reinforced composites as dental and medical biomaterials. Acta Biomaterialia Odontologica Scandinavica, 2018, 4, 44-55.	4.0	43

#	Article	IF	Citations
73	Reinforcing effect of discontinuous microglass fibers on resin-modified glass ionomer cement. Dental Materials Journal, 2018, 37, 484-492.	1.8	14
74	Bioactive dental materialsâ€"Do they exist and what does bioactivity mean?. Dental Materials, 2018, 34, 693-694.	3.5	126
75	Does artificial aging affect mechanical properties of CAD/CAM composite materials. Journal of Prosthodontic Research, 2018, 62, 65-74.	2.8	76
76	Polymer matrix of fiber-reinforced composites: Changes in the semi-interpenetrating polymer network during the shelf life. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 78, 414-419.	3.1	20
77	The effect of smear layer removal on E. faecalis leakage and bond strength of four resin-based root canal sealers. BMC Oral Health, 2018, 18, 213.	2.3	3
78	Fiber-Reinforced Composites for Dental Applications. BioMed Research International, 2018, 2018, 1-2.	1.9	43
79	Travel beyond Clinical Uses of Fiber Reinforced Composites (FRCs) in Dentistry: A Review of Past Employments, Present Applications, and Future Perspectives. BioMed Research International, 2018, 2018, 1-8.	1.9	24
80	From bodyâ€onâ€frame to unibody constructions and designs mimicking biological structures â€“ an overview. European Journal of Oral Sciences, 2018, 126, 95-101.	1.5	8
81	Dissolution and mineralization characterization of bioactive glass ceramic containing endodontic sealer Guttaflow Bioseal. Dental Materials Journal, 2018, 37, 988-994.	1.8	24
82	Influence of primers on the properties of the adhesive interface between resin composite luting cement and fiber-reinforced composite. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 88, 281-287.	3.1	17
83	Evaluation and reduction of magnetic resonance imaging artefacts induced by distinct plates for osseous fixation: an in vitro study @ 3ÂT. Dentomaxillofacial Radiology, 2018, 47, 20170361.	2.7	19
84	Flexural and torsional properties of a glass fiber-reinforced composite diaphyseal bone model with multidirectional fiber orientation. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 87, 143-147.	3.1	7
85	Failure load and stress analysis of orthodontic miniscrews with different transmucosal collar diameter. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 87, 132-137.	3.1	49
86	Cranioplasty After Severe Traumatic Brain Injury: Effects of Trauma and Patient Recovery on Cranioplasty Outcome. Frontiers in Neurology, 2018, 9, 223.	2.4	18
87	Delayed post-curing stage and oxygen inhibition of free-radical polymerization of dimethacrylate resin. Dental Materials, 2018, 34, 1247-1252.	3.5	26
88	Framework design and pontics of fiber-reinforced composite fixed dental prostheses â€" An overview. Journal of Prosthodontic Research, 2018, 62, 281-286.	2.8	19
89	Comparative color and surface parameters of current esthetic restorative CAD/CAM materials. Journal of Advanced Prosthodontics, 2018, 10, 32.	2.6	26
90	Fiber-Reinforced Composites for Implant Applications. Current Oral Health Reports, 2018, 5, 194-201.	1.6	4

#	Article	IF	Citations
91	Characterization of fluoride releasing restorative dental materials. Dental Materials Journal, 2018, 37, 293-300.	1.8	83
92	Comparison of Load-Bearing Capacities of 3-Unit Fiber-Reinforced Composite Adhesive Bridges with Different Framework Designs. Medical Science Monitor, 2018, 24, 4440-4448.	1.1	5
93	Effect of discontinuous glass fibers on mechanical properties of glass ionomer cement. Acta Biomaterialia Odontologica Scandinavica, 2018, 4, 72-80.	4.0	15
94	Physicochemical properties of discontinuous S2-glass fiber reinforced resin composite. Dental Materials Journal, 2018, 37, 95-103.	1.8	7
95	Preliminary fabrication and characterization of electron beam melted Tiâ€“6Alâ€“4V customized dental implant. Saudi Journal of Biological Sciences, 2017, 24, 787-796.	3.8	50
96	In vitro cytotoxicity and surface topography evaluation of additive manufacturing titanium implant materials. Journal of Materials Science: Materials in Medicine, 2017, 28, 53.	3.6	39
97	Bioactive glass-containing cranial implants: an overview. Journal of Materials Science, 2017, 52, 8772-8784.	3.7	52
98	Fiber-reinforced composites in fixed prosthodonticsâ€”Quo vadis?. Dental Materials, 2017, 33, 877-879.	3.5	24
99	Preparation and characterization of high radio-opaque E-glass fiber-reinforced composite with iodine containing methacrylate monomer. Dental Materials, 2017, 33, 218-225.	3.5	8
100	Hydroxyapatite and bioactive glass surfaces for fiber reinforced composite implants via surface ablation by Excimer laser. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 75, 89-96.	3.1	4
101	Hollow glass fibers in reinforcing glass ionomer cements. Dental Materials, 2017, 33, e86-e93.	3.5	44
102	Bond strength of fiber posts and short fiber-reinforced composite to root canal dentin following cyclic loading. Journal of Adhesion Science and Technology, 2017, 31, 1397-1407.	2.6	5
103	Influence of increment thickness on dentin bond strength and light transmission of composite base materials. Clinical Oral Investigations, 2017, 21, 1717-1724.	3.0	21
104	Spot-Bonding and Full-Bonding Techniques for Fiber Reinforced Composite (FRC) and Metallic Retainers. International Journal of Molecular Sciences, 2017, 18, 2096.	4.1	10
105	Bending Properties of Fiber-Reinforced Composites Retainers Bonded with Spot-Composite Coverage. BioMed Research International, 2017, 2017, 1-6.	1.9	15
106	Comparative evaluation between glass and polyethylene fiber reinforced composites: A review of the current literature. Journal of Clinical and Experimental Dentistry, 2017, 9, 0-0.	1.2	11
107	Load-Bearing Capacity and Fracture Behavior of Glass Fiber-Reinforced Composite Cranioplasty Implants. Journal of Applied Biomaterials and Functional Materials, 2017, 15, e356-e361.	1.6	9
108	Orthodontics: Bracket Materials, Adhesives Systems, and Their Bond Strength. BioMed Research International, 2016, 2016, 1-3.	1.9	51

#	Article	IF	Citations
109	Influence of tooth brushing on adhesion strength of orthodontic brackets bondedÂtoÂporcelain. Bio-Medical Materials and Engineering, 2016, 27, 365-374.	0.6	4
110	Mechanical and structural characterization of discontinuous fiber-reinforced dental resin composite. Journal of Dentistry, 2016, 52, 70-78.	4.1	70
111	Bioactive glass surface for fiber reinforced composite implants via surface etching by Excimer laser. Medical Engineering and Physics, 2016, 38, 664-670.	1.7	9
112	Reinforcing Effect of Glass Fiberâ€“incorporated ProRoot MTA and Biodentine as Intraorifice Barriers. Journal of Endodontics, 2016, 42, 1673-1676.	3.1	12
113	Shear Bond Strength between Fiberâ€Reinforced Composite and Veneering Resin Composites with Various Adhesive Resin Systems. Journal of Prosthodontics, 2016, 25, 392-401.	3.7	11
114	The anisotropicity of the flexural properties of an occlusal device material processed by stereolithography. Journal of Prosthetic Dentistry, 2016, 116, 811-817.	2.8	65
115	Porous SiO2 nanofiber grafted novel bioactive glassâ€“ceramic coating: A structural scaffold for uniform apatite precipitation and oriented cell proliferation on inert implant. Materials Science and Engineering C, 2016, 62, 206-214.	7.3	25
116	Mechanical properties of fiber reinforced restorative composite with two distinguished fiber length distribution. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 60, 331-338.	3.1	47
117	Are we misusing fiber posts? Guest editorial. Dental Materials, 2016, 32, 125-126.	3.5	28
118	A glass fiber-reinforced composite â€“ bioactive glass cranioplasty implant: A case study of an early development stage implant removed due to a late infection. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 55, 191-200.	3.1	39
119	Influence of increment thickness on light transmission, degree of conversion and micro hardness of bulk fill composites. Odontology / the Society of the Nippon Dental University, 2016, 104, 291-297.	1.9	82
120	Physical and chemical properties of an antimicrobial Bis-GMA free dental resin with quaternary ammonium dimethacrylate monomer. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 56, 68-76.	3.1	34
121	Effect of solvent/disinfectant ethanol on the micro-surface structure and properties of multiphase denture base polymers. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 54, 1-7.	3.1	20
122	Mechanical properties, fracture resistance, and fatigue limits ofÂshort fiber reinforced dental composite resin. Journal of Prosthetic Dentistry, 2016, 115, 95-102.	2.8	65
123	The effect of cycling deflection on the injection-molded thermoplastic denture base resins. Acta Odontologica Scandinavica, 2016, 74, 67-72.	1.6	13
124	Hierarchically Designed Bioactive Glassy Nanocoatings for the Growth of Faster and Uniformly Dense Apatite. Journal of the American Ceramic Society, 2015, 98, 2428-2437.	3.8	8
125	Effects of Nanofillers on Mechanical Properties of Fiber-Reinforced Composites Polymerized with Light-Curing and Additional Postcuring. Journal of Applied Biomaterials and Functional Materials, 2015, 13, 296-299.	1.6	24
126	Three-Dimensional Finite Element Analysis of Anterior Two-Unit Cantilever Resin-Bonded Fixed Dental Prostheses. Scientific World Journal, The, 2015, 2015, 1-10.	2.1	28

#	Article	IF	Citations
127	Preparation of antibacterial and radio-opaque dental resin with new polymerizable quaternary ammonium monomer. Dental Materials, 2015, 31, 575-582.	3.5	50
128	Effect of endodontic chelating solutions on the bond strength of endodontic sealers. Brazilian Oral Research, 2015, 29, 1-6.	1.4	526
129	Fiber glassâ€“bioactive glass composite for bone replacing and bone anchoring implants. Dental Materials, 2015, 31, 371-381.	3.5	79
130	In vitro assessment of the soft tissue/implant interface using porcine gingival explants. Journal of Materials Science: Materials in Medicine, 2015, 26, 5385.	3.6	6
131	Optical properties and light irradiance of monolithic zirconia at variable thicknesses. Dental Materials, 2015, 31, 1180-1187.	3.5	146
132	Penetration depth of monomer systems into acrylic resin denture teeth used as pontics. Journal of Prosthetic Dentistry, 2015, 113, 480-487.	2.8	14
133	Degree of conversion of dual-polymerizing cements light polymerized through monolithic zirconia of different thicknesses and types. Journal of Prosthetic Dentistry, 2015, 114, 103-108.	2.8	55
134	Effect of random/aligned nylon-6/MWCNT fibers on dental resin composite reinforcement. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 48, 134-144.	3.1	49
135	Outcomes of Cranioplasty with Synthetic Materials and Autologous Bone Grafts. World Neurosurgery, 2015, 83, 708-714.	1.3	154
136	Impact of gastric acidic challenge on surface topography and optical properties of monolithic zirconia. Dental Materials, 2015, 31, 1445-1452.	3.5	45
137	Shear bond strength between alumina substrate and prosthodontic resin composites with various adhesive resin systems. BMC Oral Health, 2015, 15, 55.	2.3	3
138	Oxygen inhibition layer of composite resins: effects of layer thickness and surface layer treatment on the interlayer bond strength. European Journal of Oral Sciences, 2015, 123, 53-60.	1.5	57
139	High-aspect ratio fillers: Fiber-reinforced composites and their anisotropic properties. Dental Materials, 2015, 31, 1-7.	3.5	171
140	Blood and fibroblast responses to thermoset Bis<scp>GMA</scp>â€“<scp>TEGDMA</scp>/glass fiberâ€reinforced composite implants in vitro. Clinical Oral Implants Research, 2014, 25, 843-851.	4.5	16
141	Flexural strengths of conventional and nanofilled fiberâ€reinforced composites: a threeâ€point bending test. Dental Traumatology, 2014, 30, 32-35.	2.0	22
142	In vitro blood and fibroblast responses to BisGMAâ€“TEGDMA/bioactive glass composite implants. Journal of Materials Science: Materials in Medicine, 2014, 25, 151-162.	3.6	11
143	Fracture resistance of endodontically restored, weakened incisors. Dental Traumatology, 2014, 30, 348-355.	2.0	12
144	Factors affecting the mechanical behavior of Y-TZP. Journal of the Mechanical Behavior of Biomedical Materials, 2014, 37, 78-87.	3.1	70

#	Article	IF	Citations
145	Synthesis of antibacterial and radio-opaque dimethacrylate monomers and their potential application in dental resin. Dental Materials, 2014, 30, 968-976.	3.5	35
146	Effect of heat treatment of polymethyl methacrylate powder on mechanical properties of denture base resin. Journal of the Mechanical Behavior of Biomedical Materials, 2014, 39, 73-78.	3.1	24
147	Bioactive glass particulate filler composite: Effect of coupling of fillers and filler loading on some physical properties. Dental Materials, 2014, 30, 570-577.	3.5	33
148	Monomer priming of denture teeth and its effects on the bond strength of composite resin. Journal of Prosthetic Dentistry, 2014, 112, 257-266.	2.8	15
149	Influence of intermediate resin on the bond strength of light-curing composite resin to polymer substrate. Acta Odontologica Scandinavica, 2014, 72, 202-208.	1.6	5
150	Fiber-reinforced composite fixed dental prostheses with various pontics. Journal of Adhesive Dentistry, 2014, 16, 161-8.	0.5	15
151	Load bearing capacity of fiber-reinforced and unreinforced composite resin CAD/CAM-fabricated fixed dental prostheses. Journal of Prosthetic Dentistry, 2013, 109, 88-94.	2.8	34
152	Physical properties and depth of cure of a new short fiber reinforced composite. Dental Materials, 2013, 29, 835-841.	3.5	213
153	Effect of Surface Modification on the Bond Strength between Zirconia and Resin Cement. Journal of Prosthodontics, 2013, 22, 529-536.	3.7	21
154	Fracture Resistance of CAD/CAM-Fabricated Fiber-Reinforced Composite Denture Retainers. International Journal of Prosthodontics, 2013, 26, 381-383.	1.7	6
155	Synthesis of dimethacrylates monomers with low polymerization shrinkage and its application in dental composites materials. Journal of Polymer Research, 2012, 19, 1.	2.4	21
156	Single Visit Replacement of Maxillary Canine using Fiber-reinforced Composite Resin. Journal of Contemporary Dental Practice, 2012, 13, 125-129.	0.5	4
157	High volume individual fibre post versus low volume fibre post: The fracture load of the restored tooth. Journal of Dentistry, 2011, 39, 65-71.	4.1	55
158	Resin-Bonded Fiber-Reinforced Composite for Direct Replacement of Missing Anterior Teeth: A Clinical Report. International Journal of Dentistry, 2011, 2011, 1-5.	1.5	16
159	In Vitro Repair of Fractured Fiber-Reinforced Cusp-Replacing Composite Restorations. International Journal of Dentistry, 2011, 2011, 1-6.	1.5	4
160	The effect of high fiber fraction on some mechanical properties of unidirectional glass fiber-reinforced composite. Dental Materials, 2011, 27, 313-321.	3.5	75
161	Effects of Different Silane Coupling Agent Monomers on Flexural Strength of an Experimental Filled Resin Composite. Journal of Adhesion Science and Technology, 2011, 25, 179-192.	2.6	21
162	Bonding of BisGMAâ€"TEGDMA-Resin to Bulk Poly(Paraphenylene) Based Rigid Rod Polymer. Composite Interfaces, 2011, 18, 387-398.	2.3	11

#	Article	IF	Citations
163	The Effect of Exposed Glass Fibers and Particles of Bioactive Glass on the Surface Wettability of Composite Implants. International Journal of Biomaterials, 2011, 2011, 1-11.	2.4	14
164	Fracture Load of Tooth Restored with Fiber Post and Experimental Short Fiber Composite. Open Dentistry Journal, 2011, 5, 58-65.	0.5	28
165	Osteoblast and Fibroblast Culture Proliferation on Injectable Calcium Ceramics Polymer Composite. Bioceramics Development and Applications, 2011, 1, 1-3.	0.3	0
166	Alternative fabrication method for chairside fiber-reinforced composite resin provisional fixed partial dentures. International Journal of Prosthodontics, 2011, 24, 453-6.	1.7	5
167	Continuous and Short Fiber Reinforced Composite in Root Post-Core System of Severely Damaged Incisors. Open Dentistry Journal, 2009, 3, 36-41.	0.5	30
168	Adherence of Streptococcus mutans to Fiber-Reinforced Filling Composite and Conventional Restorative Materials. Open Dentistry Journal, 2009, 3, 227-232.	0.5	29
169	Fatigue Resistance of Resin-Bonded Postâ€“Coreâ€“Crown Treated Teeth with Flared Root Canal. Journal of Adhesion Science and Technology, 2009, 23, 1113-1124.	2.6	5
170	Evaluation of bis-GMA/MMA Resin Adhesion to Silica-Coated and Silanized Titanium. Journal of Adhesion Science and Technology, 2009, 23, 991-1006.	2.6	10
171	Dental Zirconia Adhesion with Silicon Compounds Using Some Experimental and Conventional Surface Conditioning Methods. Silicon, 2009, 1, 199-202.	3.3	21
172	Experimental Novel Silane System in Adhesion Promotion Between Dental Resin and Pretreated Titanium. Silicon, 2009, 1, 249-254.	3.3	31
173	Interpenetrating Polymer Networks (IPNs) in Dental Polymers and Composites. Journal of Adhesion Science and Technology, 2009, 23, 961-972.	2.6	90
174	Thermocycling Effects on Resin Bond to Silicatized and Silanized Zirconia. Journal of Adhesion Science and Technology, 2009, 23, 1043-1051.	2.6	29
175	Osteoblast proliferation and maturation on bioactive fiber-reinforced composite surface. Journal of Materials Science: Materials in Medicine, 2008, 19, 3169-3177.	3.6	37
176	Reconstruction of critical size calvarial bone defects in rabbits with glassâ€“fiberâ€reinforced composite with bioactive glass granule coating. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2008, 84B, 510-519.	3.4	67
177	Force levels of fiber-reinforced composites and orthodontic stainless steel wires: A 3-point bending test. American Journal of Orthodontics and Dentofacial Orthopedics, 2008, 133, 410-413.	1.7	40
178	Polymerization shrinkage of experimental short glass fiber-reinforced composite with semi-inter penetrating polymer network matrix. Dental Materials, 2008, 24, 211-215.	3.5	91
179	Evaluation of polymerization shrinkage and hydroscopic expansion of fiber-reinforced biocomposites using optical fiber Bragg grating sensors. Dental Materials, 2008, 24, 1720-1727.	3.5	50
180	Repair of bone segment defects with surface porous fiberâ€reinforced polymethyl methacrylate (PMMA) composite prosthesis: Histomorphometric incorporation model and characterization by SEM. Monthly Notices of the Royal Astronomical Society: Letters, 2008, 79, 555-564.	3.3	29

#	Article	IF	Citations
181	Treated Enamel Surface Patterns Associated with Five Orthodontic Adhesive Systems-Surface Morphology and Shear Bond Strength. Dental Materials Journal, 2008, 27, 1-6.	1.8	30
182	Fiber-reinforced Composite Resin Prosthesis to Restore Missing Posterior Teeth: A Case Report. Libyan Journal of Medicine, 2007, 2, 139-141.	1.6	2
183	Flexural Properties of Glass Fibre Reinforced Composite with Partially Biodegradable Polymer Matrix. Macromolecular Symposia, 2007, 253, 88-93.	0.7	3
184	Chairside fabricated fiber-reinforced composite fixed partial denture. Libyan Journal of Medicine, 2007, 2, 40-42.	1.6	3
185	Flexural strengths of fiber-reinforced composites polymerized with conventional light-curing and additional postcuring. American Journal of Orthodontics and Dentofacial Orthopedics, 2007, 132, 524-527.	1.7	45
186	Load bearing capacity of bone anchored fiber-reinforced composite device. Journal of Materials Science: Materials in Medicine, 2007, 18, 2025-2031.	3.6	30
187	Bond Strength of Composite Resin Luting Cements to Fiber-reinforced Composite Root Canal Post. Journal of Contemporary Dental Practice, 2007, 8, 17-24.	0.5	10
188	Effect of 10 years of in vitro aging on the flexural properties of fiber-reinforced resin composites. International Journal of Prosthodontics, 2007, 20, 43-5.	1.7	27
189	Direct composite resin restoration of an anterior tooth: effect of fiber-reinforced composite substructure. European journal of prosthodontics and restorative dentistry, The, 2007, 15, 61-6.	0.4	7
190	Bond strength of composite resin luting cements to fiber-reinforced composite root canal posts. Journal of Contemporary Dental Practice, 2007, 8, 17-24.	0.5	2
191	Fiber-reinforced composite substructure: Load-bearing capacity of an onlay restoration. Acta Odontologica Scandinavica, 2006, 64, 281-285.	1.6	26
192	Fiber-Reinforced Composites in Fixed Partial Dentures. Libyan Journal of Medicine, 2006, 1, 73-82.	1.6	8
193	Fiber-reinforced composites in fixed partial dentures. Libyan Journal of Medicine, 2006, 1, 73-82.	1.6	17
194	Comparison of Repair Methods for Ceramic-Fused-to-Metal Crowns. Journal of Prosthodontics, 2006, 15, 283-288.	3.7	43
195	The span length and cross-sectional design affect values of strength. Dental Materials, 2005, 21, 347-353.	3.5	47
196	Fatigue resistance and stiffness of glass fiber-reinforced urethane dimethacrylate composite. Journal of Prosthetic Dentistry, 2004, 91, 158-163.	2.8	28
197	Survival rates of resin-bonded, glass fiberâ€“reinforced composite fixed partial dentures with a mean follow-up of 42 months: A pilot study. Journal of Prosthetic Dentistry, 2004, 91, 241-246.	2.8	124
198	Effect of fiber position and orientation on fracture load of fiber-reinforced composite. Dental Materials, 2004, 20, 947-955.	3.5	205

#	Article	IF	Citations
199	Bonding polycarbonate brackets to ceramic: Effects of substrate treatment on bond strength. American Journal of Orthodontics and Dentofacial Orthopedics, 2004, 126, 220-227.	1.7	57
200	Improvement of Mechanical Properties of Oligomer-modified Acrylic Bone Cement with Glass-fibers. Applied Composite Materials, 2004, 11, 17-31.	2.5	28
201	Degree of conversion of a copolymer of an experimental monomer and methyl methacrylate for dental applications. Journal of Applied Polymer Science, 2004, 93, 1908-1912.	2.6	27
202	Repair bond strength of restorative resin composite applied to fiberâ€reinforced composite substrate. Acta Odontologica Scandinavica, 2004, 62, 51-60.	1.6	36
203	The effect of fiber orientation on the thermal expansion coefficients of fiber-reinforced composites. Dental Materials, 2003, 19, 471-477.	3.5	112
204	Adherence ofStreptococcus mutans to an E-glass fiber-reinforced composite and conventional restorative materials used in prosthetic dentistry. , 2000, 49, 250-256.		46
205	Rehabilitation of a periodontal patient with rapidly progressing marginal alveolar bone loss: 1-year follow-up. Journal of Clinical Periodontology, 2000, 27, 615-619.	4.9	30
206	Resin-bonded, glass fiber-reinforced composite fixed partial dentures: A clinical study. Journal of Prosthetic Dentistry, 2000, 84, 413-418.	2.8	216
207	Flexural properties of acrylic resin polymers reinforced with unidirectional and woven glass fibers. Journal of Prosthetic Dentistry, 1999, 81, 318-326.	2.8	366
208	Compositional and Weave Pattern Analyses of Glass Fibers in Dental Polymer Fiber Composites. Journal of Prosthodontics, 1998, 7, 170-176.	3.7	38
209	Effect of polymerization temperature and time on the residual monomer content of denture base polymers. European Journal of Oral Sciences, 1998, 106, 588-593.	1.5	150
210	Transverse Strength, Ductility, and Qualitative Elemental Analysis of Cobalt-Chromium Alloy After Various Durations of Induction Melting. Journal of Prosthodontics, 1997, 6, 55-60.	3.7	5
211	Acrylic resin-fiber compositeâ€”part I: The effect of fiber concentration on fracture resistance. Journal of Prosthetic Dentistry, 1994, 71, 607-612.	2.8	133
212	Acrylic resin-fiber compositeâ€”part II: The effect of polymerization shrinkage of polymethyl methacrylate applied to fiber roving on transverse strength. Journal of Prosthetic Dentistry, 1994, 71, 613-617.	2.8	83