

Kumiko Yoshihara

List of Publications by Year in descending order

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Version: 2024-02-01

76
papers

4,290
citations

172457

29
h-index

110387

64
g-index

76
all docs

76
docs citations

76
times ranked

3036
citing authors

#	ARTICLE	IF	CITATIONS
1	State of the art of self-etch adhesives. <i>Dental Materials</i> , 2011, 27, 17-28.	3.5	1,001
2	How much do resin-based dental materials release? A meta-analytical approach. <i>Dental Materials</i> , 2011, 27, 723-747.	3.5	345
3	Self-assembled Nano-layering at the Adhesive Interface. <i>Journal of Dental Research</i> , 2012, 91, 376-381.	5.2	284
4	Nano-controlled molecular interaction at adhesive interfaces for hard tissue reconstruction. <i>Acta Biomaterialia</i> , 2010, 6, 3573-3582.	8.3	208
5	Nanolayering of phosphoric acid ester monomer on enamel and dentin. <i>Acta Biomaterialia</i> , 2011, 7, 3187-3195.	8.3	168
6	Effectiveness and stability of silane coupling agent incorporated in "universal" adhesives. <i>Dental Materials</i> , 2016, 32, 1218-1225.	3.5	156
7	Chemical interaction mechanism of 10-MDP with zirconia. <i>Scientific Reports</i> , 2017, 7, 45563.	3.3	144
8	From Buonocore's Pioneering Acid-Etch Technique to Self-Adhering Restoratives. A Status Perspective of Rapidly Advancing Dental Adhesive Technology. <i>Journal of Adhesive Dentistry</i> , 2020, 22, 7-34.	0.5	125
9	Crystallographic and morphological analysis of sandblasted highly translucent dental zirconia. <i>Dental Materials</i> , 2018, 34, 508-518.	3.5	112
10	HEMA Inhibits Interfacial Nano-layering of the Functional Monomer MDP. <i>Journal of Dental Research</i> , 2012, 91, 1060-1065.	5.2	107
11	Self-etch Monomer-Calcium Salt Deposition on Dentin. <i>Journal of Dental Research</i> , 2011, 90, 602-606.	5.2	93
12	Sandblasting may damage the surface of composite CAD/CAM blocks. <i>Dental Materials</i> , 2017, 33, e124-e135.	3.5	93
13	Adhesive interfacial interaction affected by different carbon-chain monomers. <i>Dental Materials</i> , 2013, 29, 888-897.	3.5	83
14	Functional monomer impurity affects adhesive performance. <i>Dental Materials</i> , 2015, 31, 1493-1501.	3.5	83
15	Etching Efficacy of Self-Etching Functional Monomers. <i>Journal of Dental Research</i> , 2018, 97, 1010-1016.	5.2	75
16	Can the Hydrophilicity of Functional Monomers Affect Chemical Interaction?. <i>Journal of Dental Research</i> , 2014, 93, 201-206.	5.2	68
17	Impact of hydrophilicity and length of spacer chains on the bonding of functional monomers. <i>Dental Materials</i> , 2014, 30, e317-e323.	3.5	65
18	Effects of functional monomers and photo-initiators on the degree of conversion of a dental adhesive. <i>Acta Biomaterialia</i> , 2012, 8, 1928-1934.	8.3	61

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19	Chemical interaction of glycerophosphate dimethacrylate (GPDM) with hydroxyapatite and dentin. <i>Dental Materials</i> , 2018, 34, 1072-1081.	3.5	50
20	Should we be concerned about composite (nano-)dust?. <i>Dental Materials</i> , 2012, 28, 1162-1170.	3.5	48
21	Cytotoxicity and Bioactivity of Dental Pulp-Capping Agents towards Human Tooth-Pulp Cells: A Systematic Review of In-Vitro Studies and Meta-Analysis of Randomized and Controlled Clinical Trials. <i>Materials</i> , 2020, 13, 2670.	2.9	46
22	Bacterial adhesion not inhibited by ion-releasing bioactive glass filler. <i>Dental Materials</i> , 2017, 33, 723-734.	3.5	41
23	Freshly-mixed and setting calcium-silicate cements stimulate human dental pulp cells. <i>Dental Materials</i> , 2018, 34, 797-808.	3.5	40
24	Impact of sandblasting on the flexural strength of highly translucent zirconia. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 115, 104268.	3.1	39
25	Ultrasonic cleaning of silica-coated zirconia influences bond strength between zirconia and resin luting material. <i>Dental Materials Journal</i> , 2008, 27, 842-848.	1.8	36
26	Caffeic acid production by simultaneous saccharification and fermentation of kraft pulp using recombinant <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 5279-5290.	3.6	34
27	Interference of functional monomers with polymerization efficiency of adhesives. <i>European Journal of Oral Sciences</i> , 2016, 124, 204-209.	1.5	33
28	Light irradiance through novel CAD/CAM block materials and degree of conversion of composite cements. <i>Dental Materials</i> , 2018, 34, 296-305.	3.5	31
29	Rechargeable anti-microbial adhesive formulation containing cetylpyridinium chloride montmorillonite. <i>Acta Biomaterialia</i> , 2019, 100, 388-397.	8.3	31
30	Modified tricalcium silicate cement formulations with added zirconium oxide. <i>Clinical Oral Investigations</i> , 2017, 21, 895-905.	3.0	30
31	Atomic level observation and structural analysis of phosphoric-acid ester interaction at dentin. <i>Acta Biomaterialia</i> , 2019, 97, 544-556.	8.3	29
32	Quick bonding using a universal adhesive. <i>Clinical Oral Investigations</i> , 2020, 24, 2837-2851.	3.0	29
33	Silane-coupling effect of a silane-containing self-adhesive composite cement. <i>Dental Materials</i> , 2020, 36, 914-926.	3.5	26
34	Flexural properties of polyethylene, glass and carbon fiber-reinforced resin composites for prosthetic frameworks. <i>Acta Odontologica Scandinavica</i> , 2015, 73, 581-587.	1.6	24
35	Ultrastructure and bonding properties of tribochemical silica-coated zirconia. <i>Dental Materials Journal</i> , 2019, 38, 107-113.	1.8	24
36	Do Universal Adhesives Benefit from an Extra Bonding Layer?. <i>Journal of Adhesive Dentistry</i> , 2019, 21, 117-132.	0.5	24

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37	Does 8-methacryloxyoctyl trimethoxy silane (8-MOTS) improve initial bond strength on lithium disilicate glass ceramic?. <i>Dental Materials</i> , 2017, 33, e95-e100.	3.5	23
38	Contemporary restorative ion-releasing materials: current status, interfacial properties and operative approaches. <i>British Dental Journal</i> , 2020, 229, 450-458.	0.6	23
39	Bone engineering by phosphorylated-pullulan and β -TCP composite. <i>Biomedical Materials (Bristol)</i> , 2015, 10, 065009.	3.3	22
40	Degradation of Adhesive-Dentin Interfaces Created Using Different Bonding Strategies after Five-year Simulated Pulpal Pressure. <i>Journal of Adhesive Dentistry</i> , 2019, 21, 199-207.	0.5	21
41	Bonding to enamel using alternative Enamel Conditioner/etchants. <i>Dental Materials</i> , 2019, 35, 1415-1429.	3.5	19
42	Various Effects of Sandblasting of Dental Restorative Materials. <i>PLoS ONE</i> , 2016, 11, e0147077.	2.5	19
43	Three-dimensional observation and analysis of remineralization in dentinal caries lesions. <i>Scientific Reports</i> , 2020, 10, 4387.	3.3	17
44	Injectable phosphopullulan-functionalized calcium-silicate cement for pulp-tissue engineering: An in-vivo and ex-vivo study. <i>Dental Materials</i> , 2020, 36, 512-526.	3.5	17
45	Ultrahigh Thermoresistant Lightweight Bioplastics Developed from Fermentation Products of Cellulosic Feedstock. <i>Advanced Sustainable Systems</i> , 2021, 5, 2000193.	5.3	16
46	Development of new diacrylate monomers as substitutes for Bis-GMA and UDMA. <i>Dental Materials</i> , 2021, 37, e391-e398.	3.5	16
47	Crystal Structure Analysis of Multiwalled Carbon Nanotube Forests by Newly Developed Cross-Sectional X-ray Diffraction Measurement. <i>Applied Physics Express</i> , 2010, 3, 105101.	2.4	15
48	X-ray diffraction analysis of three-dimensional self-reinforcing monomer and its chemical interaction with tooth and hydroxyapatite. <i>Dental Materials Journal</i> , 2012, 31, 697-702.	1.8	15
49	Survival of human dental pulp cells after 4-week culture in human tooth model. <i>Journal of Dentistry</i> , 2019, 86, 33-40.	4.1	15
50	Effect of Airâ€Particle Abrasion Protocol and Primer on The Topography and Bond Strength of a Highâ€Translucent Zirconia Ceramic. <i>Journal of Prosthodontics</i> , 2022, 31, 228-238.	3.7	15
51	Initial curing characteristics of composite cements under ceramic restorations. <i>Journal of Prosthodontic Research</i> , 2021, 65, 39-45.	2.8	13
52	Fabrication of screen-printed field electron emitter using length-controlled and purification-free carbon nanotubes. <i>Applied Physics Letters</i> , 2007, 91, .	3.3	11
53	Kinematic characteristics during gait in frail older women identified by principal component analysis. <i>Scientific Reports</i> , 2022, 12, 1676.	3.3	11
54	Does Acid Etching Morphologically and Chemically Affect Lithium Disilicate Glass Ceramic Surfaces?. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2017, 15, 93-100.	1.6	10

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55	Optimizing glass-ceramic bonding incorporating new silane technology in an experimental universal adhesive formulation. <i>Dental Materials</i> , 2021, 37, 894-904.	3.5	9
56	High-Density Growth of Vertically Aligned Carbon Nanotubes with High Linearity by Catalyst Preheating in Acetylene Atmosphere. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 1941-1943.	1.5	8
57	Re-mineralizing dentin using an experimental tricalcium silicate cement with biomimetic analogs. <i>Dental Materials</i> , 2017, 33, 505-513.	3.5	8
58	Titanium implant functionalization with phosphate-containing polymers may favour in vivo osseointegration. <i>Journal of Clinical Periodontology</i> , 2017, 44, 950-960.	4.9	8
59	Phosphorylated Pullulan Coating Enhances Titanium Implant Osseointegration in a Pig Model. <i>International Journal of Oral and Maxillofacial Implants</i> , 2017, 32, 282-290.	1.4	8
60	Ultra-structural evaluation of an anodic oxidated titanium dental implant. <i>Dental Materials Journal</i> , 2014, 33, 828-834.	1.8	7
61	No evidence for the growth-stimulating effect of monomers on cariogenic Streptococci. <i>Clinical Oral Investigations</i> , 2017, 21, 1861-1869.	3.0	7
62	Flexural Strength of Resin Core Build-Up Materials: Correlation to Root Dentin Shear Bond Strength and Pull-Out Force. <i>Polymers</i> , 2020, 12, 2947.	4.5	7
63	Novel composite cement containing the anti-microbial compound CPC-Montmorillonite. <i>Dental Materials</i> , 2022, 38, 33-43.	3.5	7
64	Micro-Raman Vibrational Identification of 10-MDP Bond to Zirconia and Shear Bond Strength Analysis. <i>BioMed Research International</i> , 2017, 2017, 1-7.	1.9	6
65	Development of self-adhesive pulp-capping agents containing a novel hydrophilic and highly polymerizable acrylamide monomer. <i>Journal of Materials Chemistry B</i> , 2020, 8, 5320-5329.	5.8	6
66	Flexural properties, bond ability, and crystallographic phase of highly translucent multi-layered zirconia. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2020, 18, 228080002094271.	1.6	4
67	Antibacterial Effect of Amino Acid-Silver Complex Loaded Montmorillonite Incorporated in Dental Acrylic Resin. <i>Materials</i> , 2021, 14, 1442.	2.9	4
68	Phosphate group adsorption capacity of inorganic elements affects bond strength between CAD/CAM composite block and luting agent. <i>Dental Materials Journal</i> , 2021, 40, 288-296.	1.8	4
69	Development of 4-META/MMA-TBB resin with added benzalkonium chloride or cetylpyridinium chloride as antimicrobial restorative materials for root caries. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 124, 104838.	3.1	3
70	Antimicrobial adhesive polyurethane gel sheet with cetylpyridinium chloride-montmorillonite for facial and somato prosthesis fastening. <i>Journal of Prosthodontic Research</i> , 2023, 67, 180-188.	2.8	3
71	Osteoblast compatibility of materials depends on serum protein absorbability in osteogenesis. <i>Dental Materials Journal</i> , 2012, 31, 674-680.	1.8	2
72	Experimental resin-modified calcium-silicate cement containing N-(2-hydroxyethyl) acrylamide monomer for pulp tissue engineering. <i>Materials Science and Engineering C</i> , 2021, 126, 112105.	7.3	2

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73	Preliminary Study on the Optimization of Femtosecond Laser Treatment on the Surface Morphology of Lithium Disilicate Glass-Ceramics and Highly Translucent Zirconia Ceramics. <i>Materials</i> , 2022, 15, 3614.	2.9	2
74	Hydrogen Interaction with Single-Walled Carbon Nanotubes. <i>Applied Physics Express</i> , 2008, 1, 094001.	2.4	1
75	Bonding in Dentistry. , 2014, , 1-56.		0
76	Dental Resin. , 2018, , 179-193.		0