Takashi Saito

List of Publications by Year
in descending order

70 papers	873 citations	687363 13 h-index	526287 27 g-index
71 all docs	71 docs citations	71 times ranked	966 citing authors

#	Article	IF	Citations
1	A Promising Potential of Brown Algae Sargassum polycystum as Irreversible Hydrocolloid Impression Material. Marine Drugs, 2022, 20, 55.	4.6	4
2	An Innovative Customized Biomimetic Hydrogel for Drug Screening Application Potential: Biocompatibility and Cell Invasion Ability. International Journal of Molecular Sciences, 2022, 23, 1488.	4.1	3
3	Are Physics Forceps Less Traumatic than Conventional Forceps for Tooth Extraction? A Systematic Review and Meta-Analysis of Randomized Controlled Trials. Dentistry Journal, 2022, 10, 21.	2.3	1
4	Profile of vitamin D receptor gene polymorphism TaqI in patients with periodontitis. Biomedical Reports, 2022, 16, 35.	2.0	1
5	Three-Dimensional Printing of a Hybrid Bioceramic and Biopolymer Porous Scaffold for Promoting Bone Regeneration Potential. Materials, 2022, 15, 1971.	2.9	5
6	Potential of Fluoride-Containing Zinc Oxide and Copper Oxide Nanocomposites on Dentin Bonding Ability. Nanomaterials, 2022, 12, 1291.	4.1	8
7	What Are the Complications, Success and Survival Rates for Autotransplanted Teeth? An Overview of Systematic Reviews and Metanalyses. Healthcare (Switzerland), 2022, 10, 835.	2.0	7
8	In Vitro Evaluation of the Strength of Dentin Replacement in Complex Posterior Tooth Restoration. Applied Sciences (Switzerland), 2022, 12, 6877.	2.5	0
9	Effects of polishing with paste containing surface preâ€reacted glassâ€ionomer fillers on enamel remineralization after orthodontic bracket debonding. Microscopy Research and Technique, 2021, 84, 171-179.	2.2	3
10	A Tailored Biomimetic Hydrogel as Potential Bioink to Print a Cell Scaffold for Tissue Engineering Applications: Printability and Cell Viability Evaluation. Applied Sciences (Switzerland), 2021, 11, 829.	2.5	2
11	Dentin Phosphophoryn-Derived Peptide Promotes Odontoblast Differentiation In Vitro and Dentin Regeneration In Vivo. Materials, 2021, 14, 874.	2.9	6
12	Calcium Release from Different Toothpastes after the Incorporation of Tricalcium Phosphate and Amorphous Calcium Phosphate. Applied Sciences (Switzerland), 2021, 11, 1848.	2.5	6
13	The Potential of a Surface-Modified Titanium Implant with Tetrapeptide for Osseointegration Enhancement. Applied Sciences (Switzerland), 2021, 11, 2616.	2.5	11
14	Distribution of elements in teeth and inhibition of demineralization by titanium fluoride: Effects of concentration and pH in a titanium fluoride solution. Dental Materials Journal, 2021, 40, 736-742.	1.8	2
15	An Innovative Bioceramic Bone Graft with Platelet-Rich Plasma for Rapid Bone Healing and Regeneration in a Rabbit Model. Applied Sciences (Switzerland), 2021, 11, 5271.	2.5	4
16	Surface Properties and Biocompatibility of Anodized Titanium with a Potential Pretreatment for Biomedical Applications. Metals, 2021, 11, 1090.	2.3	8
17	The histone deacetylase inhibitor, entinostat (MS-275), induces the odontogenic differentiation of an odontoblast-like cell line in the absence of an osteoblast mineralization medium. Odontology / the Society of the Nippon Dental University, 2021, 109, 661-671.	1.9	5
18	Anodized Biomedical Stainless-Steel Mini-Implant for Rapid Recovery in a Rabbit Model. Metals, 2021, 11, 1575.	2.3	3

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19	Human Fresh Fibrin Membrane with Bone Morphogenetic Protein-2 (BMP-2) Induces Bone Formation in the Subcutaneous Tissues of Nude Mice. Materials, 2021, 14, 150.	2.9	6
20	Novel Bioactive Adhesive Monomer CMET Promotes Odontogenic Differentiation and Dentin Regeneration. International Journal of Molecular Sciences, 2021, 22, 12728.	4.1	5
21	Biomimetic Ceramic Composite: Characterization, Cell Response, and In Vivo Biocompatibility. Materials, 2021, 14, 7374.	2.9	2
22	Observation of Changes in Helicobacter pylori Antigen and Antibody Positivity According to Non-Invasive Tests Before and After Helicobacter pylori Eradication Therapy in Symptomatic Patients . International Journal of General Medicine, 2020, Volume 13, 1093-1103.	1.8	0
23	An Innovative Bioceramic Bone Graft Substitute for Bone Defect Treatment: In Vivo Evaluation of Bone Healing. Applied Sciences (Switzerland), 2020, 10, 8303.	2.5	2
24	Surface Characteristics and Cell Adhesion Behaviors of the Anodized Biomedical Stainless Steel. Applied Sciences (Switzerland), 2020, 10, 6275.	2.5	7
25	A Retrospective Clinical Audit of Bracket Failure among Patients Undergoing Orthodontic Therapy. International Journal of Dentistry, 2020, 2020, 1-5.	1.5	7
26	The Potential of a Tailored Biomimetic Hydrogel for In Vitro Cell Culture Applications: Characterization and Biocompatibility. Applied Sciences (Switzerland), 2020, 10, 9035.	2.5	3
27	Development of a Surface-Functionalized Titanium Implant for Promoting Osseointegration: Surface Characteristics, Hemocompatibility, and In Vivo Evaluation. Applied Sciences (Switzerland), 2020, 10, 8582.	2.5	9
28	Effect of Hand and Rotary Instruments on the Fracture Resistance of Teeth: An In Vitro Study. Dentistry Journal, 2020, 8, 38.	2.3	5
29	Fabrication of a Promising Hierarchical Porous Surface on Titanium for Promoting Biocompatibility. Applied Sciences (Switzerland), 2020, 10, 1363.	2.5	6
30	Effect of Mechanobiology of Cell Response on Titanium with Multilayered Aluminum Nitride/Tantalum Thin Film. Applied Sciences (Switzerland), 2020, 10, 645.	2.5	2
31	The Potential of a Hair Follicle Mesenchymal Stem Cell-Conditioned Medium for Wound Healing and Hair Follicle Regeneration. Applied Sciences (Switzerland), 2020, 10, 2646.	2.5	9
32	Fluorine distribution from fluoride-releasing luting materials into human dentin. Nuclear Instruments & Methods in Physics Research B, 2019, 456, 16-20.	1.4	1
33	Antibacterial effect of a fluoride-containing ZnO/CuO nanocomposite. Nuclear Instruments & Methods in Physics Research B, 2019, 458, 184-188.	1.4	10
34	Microâ€XRD and nanoindentation investigation of bioceramics for dental pulp therapy. Medical Devices & Sensors, 2019, 2, e10027.	2.7	0
35	Chemical and biological properties of new sealant-use cement materials. Dental Materials, 2019, 35, 673-685.	3.5	2
36	Effects of pastes containing ion-releasing particles on dentin remineralization. Dental Materials Journal, 2019, 38, 271-277.	1.8	9

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37	Application of Solution Plasma Surface Modification Technology to the Formation of Thin Hydroxyapatite Film on Titanium Implants. Coatings, 2019, 9, 3.	2.6	4
38	Laminin-1 acts as an adhesive for odontoblast-like cells and promotes their differentiation toward a hard tissue-forming phenotype. Journal of Oral Science, 2018, 60, 253-261.	1.7	5
39	A Novel Fragment Derived from Laminin-411 Facilitates Proliferation and Differentiation of Odontoblast-Like Cells. BioMed Research International, 2018, 2018, 1-10.	1.9	4
40	Elucidation on Predominant Pathways Involved in the Differentiation and Mineralization of Odontoblast-Like Cells by Selective Blockade of Mitogen-Activated Protein Kinases. BioMed Research International, 2018, 2018, 1-10.	1.9	6
41	The in vitro effects of CCN2 on odontoblast-like cells. Archives of Oral Biology, 2018, 94, 54-61.	1.8	1
42	iMatrix-511 Stimulates the Proliferation and Differentiation of MDPC-23ÂCells into Odontoblastlike Phenotype. Journal of Endodontics, 2018, 44, 1367-1375.	3.1	6
43	Nephronectin Stimulates the Differentiation of MDPC-23ÂCells into an Odontoblast-like Phenotype. Journal of Endodontics, 2017, 43, 263-271.	3.1	6
44	Wear characteristics and inhibition of enamel demineralization by resinâ€based coating materials. European Journal of Oral Sciences, 2017, 125, 160-167.	1.5	3
45	Effects of tooth storage media on periodontal ligament preservation. Dental Traumatology, 2017, 33, 383-392.	2.0	14
46	Human plasma fibronectin promotes proliferation and differentiation of odontoblast. Journal of Applied Oral Science, 2017, 25, 299-309.	1.8	13
47	The Role of Nephronectin on Proliferation and Differentiation in Human Dental Pulp Stem Cells. Stem Cells International, 2017, 2017, 1-14.	2.5	4
48	The effects of single application of pastes containing ion-releasing particles on enamel demineralization. Dental Materials Journal, 2017, 36, 461-468.	1.8	15
49	Dexamethasone stimulates nephronectin expression and mediates mineralization in MDPC-23 cell via Akt/mTOR signaling pathway. Biology, Engineering and Medicine, 2017, 2, .	0.1	2
50	Effectiveness of methods for detaching orthodontic implants likely to fracture upon rotational torque â€“ an animal study. Clinical and Experimental Dental Research, 2016, 2, 51-56.	1.9	2
51	Effect of type I collagen derived from tilapia scale on odontoblast-like cells. Tissue Engineering and Regenerative Medicine, 2015, 12, 231-238.	3.7	9
52	Biocompatibility of Novel Type I Collagen Purified from Tilapia Fish Scale: An In Vitro Comparative Study. BioMed Research International, 2015, 2015, 1-8.	1.9	55
53	Radiological Evaluation of Human Dentin Autografts in Bangladesh. Journal of Hard Tissue Biology, 2014, 23, 363-370.	0.4	13
54	Induction of Reparative Dentin Formation on Exposed Dental Pulp by Dentin Phosphophoryn/Collagen Composite. BioMed Research International, 2014, 2014, 1-8.	1.9	31

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55	The possibility of genistein as a new direct pulp capping agent. Dental Materials Journal, 2013, 32, 976-985.	1.8	9
56	A Preliminary Study of the Effect of Static Magnetic Field Acting on Rat Bone Marrow Mesenchymal Stem Cells during Osteogenic Differentiation In Vitro. Journal of Hard Tissue Biology, 2013, 22, 227-232.	0.4	15
57	Effects of calcium salts of acidic monomers on mineral induction of phosphoprotein immobilized to agarose beads. Journal of Biomedical Materials Research - Part A, 2012, 100A, 2760-2765.	4.0	16
58	The influence of the antibacterial monomer 12-methacryloyloxydodecylpyridinium bromide on the proliferation, differentiation and mineralization of odontoblast-like cells. Biomaterials, 2010, 31, 1518-1532.	11.4	33
59	Dentin Phosphophoryn Promotes Cellular Migration of Human Dental Pulp Cells. Journal of Endodontics, 2008, 34, 575-578.	3.1	18
60	Effect of Nâ€²-nitrosonornicotine (NNN) on murine palatal fusion in vitro. Toxicology, 2005, 207, 475-485.	4.2	11
61	Effect of phosphophoryn on rhBMP-2-induced bone formation. Archives of Oral Biology, 2004, 49, 239-243.	1.8	7
62	Acceleration Effect of Human Recombinant Bone Morphogenetic Protein-2 on Differentiation of Human Pulp Cells Into Odontoblasts. Journal of Endodontics, 2004, 30, 205-208.	3.1	121
63	In vitro Study of Remineralization of Dentin: Effects of Ions on Mineral Induction by Decalcified Dentin Matrix. Caries Research, 2003, 37, 445-449.	2.0	70
64	Role of Phosphophoryn Free in Solution in Biomineralization In Vitro. Journal of Hard Tissue Biology, 2003, 12, 6-10.	0.4	2
65	Concentration-Dependent Effect of Phosphate Ester on Apatite Induction In Vitro. Journal of Hard Tissue Biology, 2003, 12, 11-16.	0.4	0
66	In Vitro Apatite Induction by Phosphophoryn Immobilized on Modified Collagen Fibrils. Journal of Bone and Mineral Research, 2000, 15, 1615-1619.	2.8	62
67	Apatite Induction by Insoluble Dentin Collagen. Journal of Bone and Mineral Research, 1998, 13, 265-270.	2.8	61
68	BMPs induce direct bone formation in ectopic sites independent of the endochondral ossification in vivo. The Anatomical Record, 1993, 236, 373-380.	1.8	82
69	Evaluation of an Adhesive Containing Calcium Salt of Acidic Monomers on Inhibition of Biofilm Formation of Bacteria Related to Root Caries. Key Engineering Materials, 0, 853, 41-45.	0.4	8
70	Anti-Biofilm Formation of an Adhesive Containing Calcium Salts of Acidic Monomers against Oral Candida Related to Root Caries. Key Engineering Materials, 0, 904, 282-286.	0.4	1