

Masaru Murata

List of Publications by Year in descending order

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61
papers

777
citations

623734

14
h-index

552781

26
g-index

62
all docs

62
docs citations

62
times ranked

558
citing authors

#	ARTICLE	IF	CITATIONS
1	Tooth-derived bone graft material. Journal of the Korean Association of Oral and Maxillofacial Surgeons, 2013, 39, 103.	0.8	122
2	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
3	Bone augmentation by onlay implant using recombinant human BMP-2 and collagen on adult rat skull without periosteum. Clinical Oral Implants Research, 2000, 11, 289-295.	4.5	62
4	Acid-insoluble human dentin as carrier material for recombinant human BMP-2. Journal of Biomedical Materials Research - Part A, 2012, 100A, 571-577.	4.0	42
5	Bone augmentation by recombinant human BMP-2 and collagen on adult rat parietal bone. International Journal of Oral and Maxillofacial Surgery, 1999, 28, 232-237.	1.5	38
6	Bone induction of human tooth and bone crushed by newly developed automatic mill. Journal of the Ceramic Society of Japan, 2010, 118, 434-437.	1.1	37
7	Immunohistochemical localization of amelogenin in human odontogenic tumors, using a polyclonal antibody against bovine amelogenin. Medical Electron Microscopy: Official Journal of the Clinical Electron Microscopy Society of Japan, 2001, 34, 185-189.	1.8	31
8	Human acid-insoluble dentin with BMP-2 accelerates bone induction in subcutaneous and intramuscular tissues. Journal of the Ceramic Society of Japan, 2010, 118, 438-441.	1.1	31
9	Effects of Demineralized Dentin Matrix Used as an rhBMP-2 Carrier for Bone Regeneration. Journal of Hard Tissue Biology, 2014, 23, 415-422.	0.4	29
10	Collagen biology for bone regenerative surgery. Journal of the Korean Association of Oral and Maxillofacial Surgeons, 2012, 38, 321.	0.8	28
11	Evaluation of perforated demineralized dentin scaffold on bone regeneration in critical-size sheep iliac defects. Clinical Oral Implants Research, 2017, 28, e227-e235.	4.5	28
12	Tooth Bank System for Bone Regeneration - Safety Report -. Journal of Hard Tissue Biology, 2014, 23, 371-376.	0.4	24
13	A preclinical large animal study on a novel intervertebral fusion cage covered with high porosity titanium sheets with a triple pore structure used for spinal fusion. European Spine Journal, 2015, 24, 2530-2537.	2.2	20
14	Retrospective Clinical Study of Allogenic Demineralized Dentin Matrix for Alveolar Bone Repair. Journal of Hard Tissue Biology, 2017, 26, 95-102.	0.4	19
15	Autograft of human tooth and demineralized dentin matrices for bone augmentation. Journal of the Ceramic Society of Japan, 2010, 118, 442-445.	1.1	13
16	Radiological Evaluation of Human Dentin Autografts in Bangladesh. Journal of Hard Tissue Biology, 2014, 23, 363-370.	0.4	13
17	BMP-2 Dose-Response and Release Studies in Functionally Graded HAp. Key Engineering Materials, 2006, 309-311, 965-968.	0.4	11
18	Bio-Absorption of Human Dentin-Derived Biomaterial in Sheep Critical-Size Iliac Defects. Materials, 2021, 14, 223.	2.9	10

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19	Osteoinduction by Functionally Graded Apatites of Bovine Origin Loaded with Bone Morphogenetic Protein-2. <i>Journal of the American Ceramic Society</i> , 2005, 88, 3545-3548.	3.8	9
20	Osteoinduction in Novel Micropores of Partially Dissolved and Precipitated Hydroxyapatite Block in Scalp of Young Rats. <i>Materials</i> , 2021, 14, 196.	2.9	8
21	Characterization of microstructure and bio-absorption of the hydroxyapatite ceramics modified by a partial dissolution-precipitation technique using supersonic treatment. <i>Journal of the Ceramic Society of Japan</i> , 2010, 118, 535-540.	1.1	7
22	Bioactive Surface Structure and Bio-Absorption of Human Dentin Granules Designed by the Supersonic Demineralization and Biomimetic Coating Technique. <i>Journal of Hard Tissue Biology</i> , 2012, 21, 351-358.	0.4	7
23	Aging and ectopic bone formation induced by partially purified bone morphogenetic protein. <i>Japanese Journal of Oral Biology</i> , 1997, 39, 572-582.	0.1	6
24	Human Fresh Fibrin Membrane with Bone Morphogenetic Protein-2 (BMP-2) Induces Bone Formation in the Subcutaneous Tissues of Nude Mice. <i>Materials</i> , 2021, 14, 150.	2.9	6
25	Human Dentin Transplantation for Bone Engineering. <i>Key Engineering Materials</i> , 2007, 361-363, 1327-1330.	0.4	5
26	Multinucleated Giant Cells for Biomaterials - Ceramics and Dentin Collagen -. <i>Key Engineering Materials</i> , 2011, 493-494, 310-314.	0.4	5
27	Autogenous tooth bone graft block for sinus augmentation with simultaneous implant installation: a technical note. <i>Journal of the Korean Association of Oral and Maxillofacial Surgeons</i> , 2015, 41, 284.	0.8	5
28	Rapid Bone Induction of Cortical Bone Treated with Ultrasonic Demineralization in Acidic Electrolyzed Water. <i>Journal of Hard Tissue Biology</i> , 2018, 27, 269-271.	0.4	5
29	Mechanical Properties of Human Concentrated Growth Factor (CGF) Membrane and the CGF Graft with Bone Morphogenetic Protein-2 (BMP-2) onto Periosteum of the Skull of Nude Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11331.	4.1	5
30	Autograft of Demineralized Dentin Matrix Prepared Immediately after Extraction for Horizontal Bone Augmentation of the Anterior Atrophic Maxilla: A First Case of Non-Vital Tooth-Derived Dentin. <i>Journal of Hard Tissue Biology</i> , 2022, 31, 47-54.	0.4	5
31	BONE ENGINEERING-BIOLOGICAL MATERIALS AND BONE MORPHOGENETIC PROTEINS-. <i>Phosphorus Research Bulletin</i> , 2004, 17, 51-58.	0.6	4
32	Surface Structure Design and Characterization of Bioabsorbable and Functionally Graded Apatites Originated from Bovine Bone. <i>Key Engineering Materials</i> , 2006, 309-311, 1051-1054.	0.4	4
33	Interface Function Design and Bone-Regenerative Engineering of Biomimetic Biomaterials by Supersonic Treatment Using Electrolyzed Water. <i>Key Engineering Materials</i> , 0, 631, 241-246.	0.4	4
34	Applications of Moldable Autogenous Tooth Bone Graft (M-AutoBT) Mixed with Hydroxypropylmethyl Cellulose for Sinus Lifting. <i>Journal of Hard Tissue Biology</i> , 2015, 24, 391-396.	0.4	4
35	Accelerated Bone Induction of Adult Rat Compact Bone Plate Scratched by Ultrasonic Scaler Using Acidic Electrolyzed Water. <i>Materials</i> , 2021, 14, 3347.	2.9	4
36	Effects of Functionally Graded Hydroxyapatite for Large Mandibular Defects in Adult Rabbits. <i>Journal of Hard Tissue Biology</i> , 2010, 19, 33-42.	0.4	4

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37	Expression of Bone morphogenetic proteins (BMPs) in human dental pulp. <i>Journal of Hard Tissue Biology</i> , 2007, 16, 199-204.	0.4	4
38	Immediate Tooth Autotransplantation with Root Canal Filling and Partially Demineralized Dentin/Cementum Matrix into Congenital Missing Tooth Region. <i>Journal of Functional Biomaterials</i> , 2022, 13, 82.	4.4	4
39	In vivo Evaluation of a Novel Chitosan/ HAp Composite Biomaterial as a Carrier of rhBMP-2. <i>Journal of Hard Tissue Biology</i> , 2010, 19, 181-186.	0.4	3
40	The Effect of Partial Dissolution-Precipitation Treatment on Calcium Phosphate Ceramics in the Release of BMP-2 and Osteoinduction. <i>Journal of Hard Tissue Biology</i> , 2012, 21, 459-468.	0.4	3
41	Bone Augmentation Using Novel Unidirectional Porous Hydroxyapatite with Bone Morphogenetic Protein-2 on Rat Skull. <i>Journal of Hard Tissue Biology</i> , 2013, 22, 337-342.	0.4	3
42	De Novo Bone Formation Using Bovine Collagen and Platelet-rich Plasma in Animals. <i>Journal of Hard Tissue Biology</i> , 2004, 13, 18-23.	0.4	3
43	Histological Evidences of Autograft of Dentin/Cementum Granules into Unhealed Socket at 5 Months after Tooth Extraction for Implant Placement. <i>Journal of Functional Biomaterials</i> , 2022, 13, 66.	4.4	3
44	Blood Permeability of a Novel Ceramic Scaffold for BMP-2. <i>Key Engineering Materials</i> , 2006, 309-311, 961-964.	0.4	2
45	Simultaneous Implantation of Dental Implants and Autogenous Human Dentin. <i>Key Engineering Materials</i> , 2011, 493-494, 426-429.	0.4	2
46	Interface Function and Cefazolin-Adsorption-Release Characteristics of Hydroxyapatite Granules Modified by Supersonic Treatment Techniques. <i>Key Engineering Materials</i> , 0, 696, 265-270.	0.4	2
47	Chemical Properties of Human Dentin Blocks and Vertical Augmentation by Ultrasonically Demineralized Dentin Matrix Blocks on Scratched Skull without Periosteum of Adult-Aged Rats. <i>Materials</i> , 2022, 15, 105.	2.9	2
48	CHARACTERIZATION OF BIODEGRADATION AND BIOABSORPTION OF FUNCTIONALLY GRADED APATITES ORIGINATED FROM BOVINE BONE. <i>Phosphorus Research Bulletin</i> , 2005, 19, 118-123.	0.6	1
49	Comparison of HAp and $\hat{1}^2$ -TCP in BMP-2 Dose-Response and Release Study. <i>Key Engineering Materials</i> , 2007, 361-363, 1033-1036.	0.4	1
50	Characterization of Bio-Absorbable and Biomimetic Apatite/Collagen Composite Powders Derived from Fish Bone and Skin by the Dissolution-Precipitation Method. <i>Key Engineering Materials</i> , 2011, 493-494, 114-119.	0.4	1
51	Bone Induction in Porous HAp Block Modified by Partial Dissolution-Precipitation Technique with Supersonic Treatment in Rat Scalp. <i>Key Engineering Materials</i> , 2014, 631, 430-434.	0.4	1
52	Highly Porous $\hat{1}^2$ -TCP Block with Triple Pore Structure in Rat Subcutaneous Tissue and Sheep Iliac Critical Bone Defect. <i>Key Engineering Materials</i> , 2016, 696, 187-191.	0.4	1
53	DEMINERALIZED DENTIN MATRIX WITH ARTIFICIAL PERFORATIONS FOR BONE REGNERATION IN CRITICAL DEFECTS OF ADULT SHEEP. <i>Phosphorus Research Bulletin</i> , 2016, 31, 1-3.	0.6	1
54	CHARACTERIZATION OF BIO-ABSORBABLE AND BIOMIMETIC GRANULES PRODUCED FROM ANIMAL BONE BY THE HIGH VELOCITY ROTATION-CRUSHING AND DEMINERALIZING TECHNIQUE. <i>Phosphorus Research Bulletin</i> , 2012, 26, 65-70.	0.6	1

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55	Regeneration of periodontal tissue by bone morphogenetic protein-treated DNA/atelocollagen in beagle dogs.. Nihon Koku Geka Gakkai Zasshi, 2003, 49, 1-9.	0.0	1
56	Materials Design and Osteoinduction Characteristics of Biomimetic and Functionally Graded Apatites. Journal of Hard Tissue Biology, 2005, 14, 73-75.	0.4	1
57	BMPs as Adsorptive Proteins for Ceramic Scaffolds. Key Engineering Materials, 0, 493-494, 808-812.	0.4	0
58	Behavior of Human Blood Adsorption to Biomimetic Functionally Graded Hydroxyapatite. Key Engineering Materials, 0, 529-530, 44-49.	0.4	0
59	Characteristics of Surface Behavior and Osteoinductivity of Biomimetic Ceramic Scaffold. Key Engineering Materials, 0, 529-530, 50-54.	0.4	0
60	Surface Design and Water Vapor-Adsorption Characteristics of Biomimetic Composite Materials Derived from Salmon Resource. Key Engineering Materials, 0, 529-530, 430-435.	0.4	0
61	MICROCRACKS DESIGN AND BONE INDUCTION OF SKULL BONE MODIFIED BY ULTRASONIC TREATMENT USING ACIDIC ELECTROLYZED WATER. Phosphorus Research Bulletin, 2017, 33, 1-6.	0.6	0