

Bong-Ju Kim

List of Publications by Year in descending order

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Version: 2024-02-01

110
papers

2,435
citations

236833

25
h-index

223716

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114
all docs

114
docs citations

114
times ranked

3638
citing authors

#	ARTICLE	IF	CITATIONS
1	Differential Toxicity of Graphene Family Nanomaterials Concerning Morphology. <i>Advances in Experimental Medicine and Biology</i> , 2022, 1351, 23-39.	0.8	5
2	Functional Graphene Nanomaterials-Based Hybrid Scaffolds for Osteogenesis and Chondrogenesis. <i>Advances in Experimental Medicine and Biology</i> , 2022, 1351, 65-87.	0.8	3
3	Enhanced osseointegration of dental implants with reduced graphene oxide coating. <i>Biomaterials Research</i> , 2022, 26, 11.	3.2	31
4	In Situ Crosslinkable Collagen-Based Hydrogels for 3D Printing of Dermis-Mimetic Constructs. <i>ECS Journal of Solid State Science and Technology</i> , 2022, 11, 045014.	0.9	4
5	Biomechanical Efficacy and Effectiveness of Orthodontic Treatment with Transparent Aligners in Mild Crowding Dentition—A Finite Element Analysis. <i>Materials</i> , 2022, 15, 3118.	1.3	6
6	Biomechanical integrity of hydroxyapatite/poly-l-lactide fixation system in mandibular body reconstruction with deep circumflex iliac artery free flap. <i>Journal of Materials Research and Technology</i> , 2022, 18, 4662-4671.	2.6	1
7	Effect of scanning-aid agents on the scanning accuracy in specially designed metallic models: A laboratory study. <i>PLoS ONE</i> , 2022, 17, e0267742.	1.1	8
8	How Do Parameters of Implant Primary Stability Correspond with CT-Evaluated Bone Quality in the Posterior Maxilla? A Correlation Analysis. <i>Materials</i> , 2021, 14, 270.	1.3	5
9	Comparative Analysis of Stress in the Periodontal Ligament and Center of Rotation in the Tooth after Orthodontic Treatment Depending on Clear Aligner Thickness—Finite Element Analysis Study. <i>Materials</i> , 2021, 14, 324.	1.3	28
10	Reduced graphene oxide coating enhances osteogenic differentiation of human mesenchymal stem cells on Ti surfaces. <i>Biomaterials Research</i> , 2021, 25, 4.	3.2	45
11	Influence of Scanning-Aid Materials on the Accuracy and Time Efficiency of Intraoral Scanners for Full-Arch Digital Scanning: An In Vitro Study. <i>Materials</i> , 2021, 14, 2340.	1.3	18
12	Antibacterial and Anti-Inflammatory Potential of Mouthwash Composition Based on Natural Extracts. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4227.	1.3	1
13	Assessment of Color Perception and Preference with Eye-Tracking Analysis in a Dental Treatment Environment. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 7981.	1.2	4
14	Factors Affecting Functional Sensory Recovery After Inferior Alveolar Nerve Repair Using the Nerve Sliding Technique. <i>Journal of Oral and Maxillofacial Surgery</i> , 2021, 79, 1794-1800.	0.5	3
15	Efficient Design of a Clear Aligner Attachment to Induce Bodily Tooth Movement in Orthodontic Treatment Using Finite Element Analysis. <i>Materials</i> , 2021, 14, 4926.	1.3	18
16	Spontaneously promoted osteogenic differentiation of MC3T3-E1 preosteoblasts on ultrathin layers of black phosphorus. <i>Materials Science and Engineering C</i> , 2021, 128, 112309.	3.8	17
17	Potential of Carbon-Based Nanocomposites for Dental Tissue Engineering and Regeneration. <i>Materials</i> , 2021, 14, 5104.	1.3	4
18	Polyphenols-loaded electrospun nanofibers in bone tissue engineering and regeneration. <i>Biomaterials Research</i> , 2021, 25, 29.	3.2	27

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19	Fracture of Standard Titanium Mandibular Reconstruction Plates and Preliminary Study of Three-Dimensional Printed Reconstruction Plates. <i>Journal of Oral and Maxillofacial Surgery</i> , 2020, 78, 153-166.	0.5	18
20	Physiological functions of mitochondrial Na ⁺ -Ca ²⁺ exchanger, NCLX, in lymphocytes. <i>Cell Calcium</i> , 2020, 85, 102114.	1.1	9
21	Biphasic Calcium Phosphate Sphere Graft Combined with a Double-Layer Non-Crosslinked Collagen Membrane Technique for Ridge Preservation: A Randomized Controlled Animal Study. <i>Materials</i> , 2020, 13, 18.	1.3	11
22	Evaluation of New Octacalcium Phosphate-Coated Xenograft in Rats Calvarial Defect Model on Bone Regeneration. <i>Materials</i> , 2020, 13, 4391.	1.3	6
23	Effects of Chewing Exerciser on the Recovery of Masticatory Function Recovery after Orthognathic Surgery: A Single-Center Randomized Clinical Trial, a Preliminary Study. <i>Medicina (Lithuania)</i> , 2020, 56, 483.	0.8	8
24	Biomechanical evaluation of unilateral subcondylar fracture of the mandible on the varying materials: A finite element analysis. <i>PLoS ONE</i> , 2020, 15, e0240352.	1.1	11
25	Clinical Evaluation of Time Efficiency and Fit Accuracy of Lithium Disilicate Single Crowns between Conventional and Digital Impression. <i>Materials</i> , 2020, 13, 5467.	1.3	14
26	Tissue Engineering of Oral Mucosa and Salivary Gland: Disease Modeling and Clinical Applications. <i>Micromachines</i> , 2020, 11, 1066.	1.4	7
27	Optimal Position of Attachment for Removable Thermoplastic Aligner on the Lower Canine Using Finite Element Analysis. <i>Materials</i> , 2020, 13, 3369.	1.3	21
28	Advanced Techniques for Skeletal Muscle Tissue Engineering and Regeneration. <i>Bioengineering</i> , 2020, 7, 99.	1.6	29
29	Early Loading of Mandibular Molar Single Implants: 1 Year Results of a Randomized Controlled Clinical Trial. <i>Materials</i> , 2020, 13, 3912.	1.3	5
30	Effects of gamma irradiation on the measurement of hepatitis B virus DNA in dentin harvested from chronically infected patients. <i>Annals of Translational Medicine</i> , 2020, 8, 314-314.	0.7	5
31	Influence of Applied Liquid-Type Scanning-Aid Material on the Accuracy of the Scanned Image: An In Vitro Experiment. <i>Materials</i> , 2020, 13, 2034.	1.3	9
32	Tantalum μ Poly (L-lactic acid) nerve conduit for peripheral nerve regeneration. <i>Neuroscience Letters</i> , 2020, 731, 135049.	1.0	9
33	Ridge Augmentation Using $\hat{1}^2$ -Tricalcium Phosphate and Biphasic Calcium Phosphate Sphere with Collagen Membrane in Chronic Pathologic Extraction Sockets with Dehiscence Defect: A Pilot Study in Beagle Dogs. <i>Materials</i> , 2020, 13, 1452.	1.3	7
34	The Stability of Hydroxyapatite/Poly-L-Lactide Fixation for Unilateral Angle Fracture of the Mandible Assessed Using a Finite Element Analysis Model. <i>Materials</i> , 2020, 13, 228.	1.3	16
35	Application of Soundproofing Materials for Noise Reduction in Dental CAD/CAM Milling Machines. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2768.	1.3	3
36	A New Method of Measuring the Volumetric Change of Alveolar Bone Around Dental Implants Using Computed Tomography. <i>Journal of Clinical Medicine</i> , 2020, 9, 1238.	1.0	7

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37	Mechanical Assessment of Fatigue Characteristics between Single- and Multi-Directional Cyclic Loading Modes on a Dental Implant System. <i>Materials</i> , 2020, 13, 1545.	1.3	5
38	FK506 immunosuppression for submandibular salivary gland allotransplantation in rabbit. <i>Journal of the Korean Association of Oral and Maxillofacial Surgeons</i> , 2020, 46, 197-203.	0.3	3
39	Title is missing!. , 2020, 15, e0240352.		0
40	Title is missing!. , 2020, 15, e0240352.		0
41	Title is missing!. , 2020, 15, e0240352.		0
42	Title is missing!. , 2020, 15, e0240352.		0
43	Title is missing!. , 2020, 15, e0240352.		0
44	Title is missing!. , 2020, 15, e0240352.		0
45	Protective Effects of Melon Extracts on Bone Strength, Mineralization, and Metabolism in Rats with Ovariectomy-Induced Osteoporosis. <i>Antioxidants</i> , 2019, 8, 306.	2.2	11
46	Effectiveness of Low-Level Laser Therapy with a 915 Nm Wavelength Diode Laser on the Healing of Intraoral Mucosal Wound: An Animal Study and a Double-Blind Randomized Clinical Trial. <i>Medicina (Lithuania)</i> , 2019, 55, 405.	0.8	15
47	Ternary nanofiber matrices composed of PCL/black phosphorus/collagen to enhance osteodifferentiation. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 80, 802-810.	2.9	21
48	Toxicity of Zero- and One-Dimensional Carbon Nanomaterials. <i>Nanomaterials</i> , 2019, 9, 1214.	1.9	60
49	Optimized Dental Implant Fixture Design for the Desirable Stress Distribution in the Surrounding Bone Region: A Biomechanical Analysis. <i>Materials</i> , 2019, 12, 2749.	1.3	21
50	Chondrosarcoma of the jaw: a retrospective series. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2019, 128, 106-111.	0.2	7
51	Characteristics of Human Responses in a Braked Stationary Lead Vehicle during Low-Speed, Rear-End Collisions. <i>International Journal of Precision Engineering and Manufacturing</i> , 2019, 20, 1255-1264.	1.1	5
52	Suitability of Metal Block Augmentation for Large Uncontained Bone Defect in Revision Total Knee Arthroplasty (TKA). <i>Journal of Clinical Medicine</i> , 2019, 8, 384.	1.0	16
53	Noise Reduction Using Active Vibration Control Methods in CAD/CAM Dental Milling Machines. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1516.	1.3	4
54	A New Approach to Accuracy Evaluation of Single-Tooth Abutment Using Two-Dimensional Analysis in Two Intraoral Scanners. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1021.	1.2	5

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55	Enhanced osteogenic differentiation of human mesenchymal stem cells on Ti surfaces with electrochemical nanopattern formation. <i>Materials Science and Engineering C</i> , 2019, 99, 1174-1181.	3.8	32
56	A User-Specific Approach for Comfortable Application of Advanced 3D CAD/CAM Technique in Dental Environments Using the Harmonic Series Noise Model. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4307.	1.3	3
57	Maxillary Sinus Augmentation With Calcium Phosphate Double-Coated Anorganic Bovine Bone. <i>Implant Dentistry</i> , 2019, 28, 39-45.	1.7	9
58	Mesenchymal Stem Cell Therapy in Submandibular Salivary Gland Allotransplantation: Experimental Study. <i>Transplantation</i> , 2019, 103, 1111-1120.	0.5	13
59	Fatal septic cavernous sinus thrombosis following dental extraction: a case report. <i>Oral Surgery</i> , 2019, 12, 153-158.	0.1	0
60	Finite Element Analysis of Novel Separable Fixture for Easy Retrieval in Case with Peri-Implantitis. <i>Materials</i> , 2019, 12, 235.	1.3	18
61	A review on the accuracy assessment methods of 3-dimensional digital dental models. <i>Journal of Dental Rehabilitation and Applied Science</i> , 2019, 35, 55-63.	0.1	0
62	Aligned laminin core-polydioxanone/collagen shell fiber matrices effective for neuriteogenesis. <i>Scientific Reports</i> , 2018, 8, 5570.	1.6	22
63	Three-dimensional graphene oxide-coated polyurethane foams beneficial to myogenesis. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2018, 29, 762-774.	1.9	35
64	Measurement of hepatitis B virus DNA in fresh versus processed dentin from chronically infected patients. <i>Journal of Translational Medicine</i> , 2018, 16, 351.	1.8	8
65	Per-oral cross-facial sural nerve graft for facial reanimation. <i>Maxillofacial Plastic and Reconstructive Surgery</i> , 2018, 40, 22.	0.7	4
66	Survey study on the Preference of Dental Medical Personnel for Dental CAD/CAM Milling Machines. <i>The Journal of Korean Academy of Prosthodontics</i> , 2018, 56, 188.	0.0	5
67	Graphene-Based Nanocomposites as Promising Options for Hard Tissue Regeneration. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1078, 103-117.	0.8	12
68	Dose- and Time-Dependent Cytotoxicity of Layered Black Phosphorus in Fibroblastic Cells. <i>Nanomaterials</i> , 2018, 8, 408.	1.9	53
69	Dicalcium Phosphate Coated with Graphene Synergistically Increases Osteogenic Differentiation In Vitro. <i>Coatings</i> , 2018, 8, 13.	1.2	13
70	Hydroxyapatite coated magnesium alloy for peripheral nerve regeneration. <i>Oral Biology Research</i> , 2018, 42, 105-113.	0.0	7
71	Low-frequency pulsed electromagnetic field pretreated bone marrow-derived mesenchymal stem cells promote the regeneration of crush-injured rat mental nerve. <i>Neural Regeneration Research</i> , 2018, 13, 145.	1.6	27
72	Questionnaire survey for the clinical trial participants who experienced both digital and conventional impression. <i>Journal of Dental Rehabilitation and Applied Science</i> , 2018, 34, 270-279.	0.1	0

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73	Adenovirus vector-mediated <i>ex vivo</i> gene transfer of brain-derived neurotrophic factor (BDNF) to human umbilical cord blood-derived mesenchymal stem cells (UCB-MSCs) promotes crush-injured rat sciatic nerve regeneration. <i>Neuroscience Letters</i> , 2017, 643, 111-120.	1.0	18
74	The Effects of M1 and M2 Macrophages on Odontogenic Differentiation of Human Dental Pulp Cells. <i>Journal of Endodontics</i> , 2017, 43, 596-601.	1.4	22
75	Biocompatibility and Biocorrosion of Hydroxyapatite-Coated Magnesium Plate: Animal Experiment. <i>Materials</i> , 2017, 10, 1149.	1.3	16
76	Bone-level implants placed in the anterior maxilla: an open-label, single-arm observational study. <i>Journal of Periodontal and Implant Science</i> , 2017, 47, 312.	0.9	3
77	Hollow Abutment Screw Design for Easy Retrieval in Case of Screw Fracture in Dental Implant System. <i>Journal of Healthcare Engineering</i> , 2017, 2017, 1-6.	1.1	6
78	Maximal strength and endurance scores of the tongue, lip, and cheek in healthy, normal Koreans. <i>Journal of the Korean Association of Oral and Maxillofacial Surgeons</i> , 2017, 43, 221.	0.3	21
79	Comparison Between Cortical Drill and Cortical Tap and Their Influence on Primary Stability of Macro-Thread Tapered Implant in Thin Crestal Cortical Bone and Low-Density Bone. <i>Implant Dentistry</i> , 2017, 26, 711-717.	1.7	7
80	Recombinant human fibroblast growth factor-2 promotes nerve regeneration and functional recovery after mental nerve crush injury. <i>Neural Regeneration Research</i> , 2017, 12, 629.	1.6	9
81	Cell Migration According to Shape of Graphene Oxide Micropatterns. <i>Micromachines</i> , 2016, 7, 186.	1.4	19
82	<i>In situ</i> forming gelatin/graphene oxide hydrogels for facilitated C2C12 myoblast differentiation. <i>Applied Spectroscopy Reviews</i> , 2016, 51, 527-539.	3.4	31
83	Graphene oxide-coated guided bone regeneration membranes with enhanced osteogenesis: Spectroscopic analysis and animal study. <i>Applied Spectroscopy Reviews</i> , 2016, 51, 540-551.	3.4	53
84	Roles of the mitochondrial Na ⁺ -Ca ²⁺ exchanger, NCLX, in B lymphocyte chemotaxis. <i>Scientific Reports</i> , 2016, 6, 28378.	1.6	18
85	Hyaluronic Acid/PLGA Core/Shell Fiber Matrices Loaded with EGCG Beneficial to Diabetic Wound Healing. <i>Advanced Healthcare Materials</i> , 2016, 5, 3035-3045.	3.9	91
86	Spontaneous Osteodifferentiation of Bone Marrow-Derived Mesenchymal Stem Cells by Hydroxyapatite Covered with Graphene Nanosheets. <i>Journal of Biomaterials and Tissue Engineering</i> , 2016, 6, 818-825.	0.0	10
87	Inhibition of mitochondrial Na ⁺ -Ca ²⁺ exchange by CGP-37157 attenuates BCR-mediated apoptosis in DT40 B lymphocytes. <i>Journal of the Korean Physical Society</i> , 2015, 67, 1915-1919.	0.3	0
88	Stimulating effect of graphene oxide on myogenesis of C2C12 myoblasts on RGD peptide-decorated PLGA nanofiber matrices. <i>Journal of Biological Engineering</i> , 2015, 9, 22.	2.0	64
89	Stimulated myogenic differentiation of C2C12 murine myoblasts by using graphene oxide. <i>Journal of the Korean Physical Society</i> , 2015, 67, 1910-1914.	0.3	10
90	The destiny of Ca ²⁺ released by mitochondria. <i>Journal of Physiological Sciences</i> , 2015, 65, 11-24.	0.9	69

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91	Synergistic effects of reduced graphene oxide and hydroxyapatite on osteogenic differentiation of MC3T3-E1 preosteoblasts. <i>Carbon</i> , 2015, 95, 1051-1060.	5.4	66
92	Mitochondria Na ⁺ -Ca ²⁺ Exchange in Cardiomyocytes and Lymphocytes. <i>Advances in Experimental Medicine and Biology</i> , 2013, 961, 193-201.	0.8	13
93	Role of Mitochondrial NCX on CXCL12-Induced Chemotaxis in A20 B Lymphocytes. <i>Biophysical Journal</i> , 2013, 104, 112a.	0.2	0
94	Prolongation of Beating Rate Caused by Reduction of NCLX, a Mitochondrial Na ⁺ -Ca ²⁺ Exchanger, in HL-1 Cardiomyocytes. <i>Biophysical Journal</i> , 2013, 104, 108a-109a.	0.2	0
95	Biomechanical assessment of a novel bone lengthening plate system "A cadaveric study. <i>Clinical Biomechanics</i> , 2013, 28, 232-238.	0.5	1
96	The mitochondrial Na ⁺ -Ca ²⁺ exchanger, NCLX, regulates automaticity of HL-1 cardiomyocytes. <i>Scientific Reports</i> , 2013, 3, 2766.	1.6	61
97	Basophils are required for the induction of Th2 immunity to haptens and peptide antigens. <i>Nature Communications</i> , 2013, 4, 1739.	5.8	108
98	Pivotal role of mitochondrial Na ⁺ -Ca ²⁺ exchange in antigen receptor mediated Ca ²⁺ signalling in DT40 and A20 B lymphocytes. <i>Journal of Physiology</i> , 2012, 590, 459-474.	1.3	36
99	NHE-1 blockade reversed changes in calcium transient in myocardial slices from isoproterenol-induced hypertrophied rat left ventricle. <i>Biochemical and Biophysical Research Communications</i> , 2012, 419, 431-435.	1.0	3
100	Role of Mitochondrial Na-Ca Exchange on BCR-Mediated Ca ²⁺ Signalling in B Lymphocytes. <i>Biophysical Journal</i> , 2012, 102, 662a.	0.2	0
101	Preventive Effects of Epigallocatechin-3-O-Gallate against Replicative Senescence Associated with p53 Acetylation in Human Dermal Fibroblasts. <i>Oxidative Medicine and Cellular Longevity</i> , 2012, 1-13.	1.9	39
102	Requirement of Interaction between Mast Cells and Skin Dendritic Cells to Establish Contact Hypersensitivity. <i>PLoS ONE</i> , 2011, 6, e25538.	1.1	119
103	A Finite Element Analysis of Biomechanical Stability of Compression Plate Fixation System in according to Existing of Fracture Gap after Bone Fracture Augmentation. <i>Journal of the Korean Fracture Society</i> , 2010, 23, 83.	0.1	1
104	Increased O ₂ consumption in excitation-contraction coupling in hypertrophied rat heart slices related to increased Na ⁺ -Ca ²⁺ exchange activity. <i>Journal of Physiological Sciences</i> , 2009, 59, 63-74.	0.9	11
105	Time-dependent intracellular trafficking of FITC-conjugated epigallocatechin-3-O-gallate in L-929 cells. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 9652-9659.	1.4	47
106	Cytoplasmic Na ⁺ -dependent modulation of mitochondrial Ca ²⁺ via electrogenic mitochondrial Na ⁺ -Ca ²⁺ exchange. <i>Journal of Physiology</i> , 2008, 586, 1683-1697.	1.3	81
107	Directed and Systematic Differentiation of Cardiovascular Cells From Mouse Induced Pluripotent Stem Cells. <i>Circulation</i> , 2008, 118, 498-506.	1.6	465
108	Phosphorylation of Na ⁺ /Ca ²⁺ Exchanger in TAB-Induced Cardiac Hypertrophy. <i>Annals of the New York Academy of Sciences</i> , 2007, 1099, 373-376.	1.8	5

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109	Mitochondrial Ca ²⁺ Flux through Na ⁺ /Ca ²⁺ Exchange. Annals of the New York Academy of Sciences, 2007, 1099, 507-511.	1.8	2
110	β ² -Adrenergic stimulation does not activate Na ⁺ /Ca ²⁺ exchange current in guinea pig, mouse, and rat ventricular myocytes. American Journal of Physiology - Cell Physiology, 2006, 290, C601-C608.	2.1	52