

# Tae-il Kim

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

287  
papers

15,725  
citations

53  
h-index

122  
g-index

323  
ext. papers

17,864  
ext. citations

7.7  
avg, IF

6.44  
L-index

#	Paper	IF	Citations
287	High-Performance Implantable Bioelectrodes with Immunocompatible Topography for Modulation of Macrophage Responses.. <i>ACS Nano</i> , <b>2022</b> ,	16.7	2
286	Materials and device design for advanced phototherapy systems.. <i>Advanced Drug Delivery Reviews</i> , <b>2022</b> , 186, 114339	18.5	1
285	Cuticular pad-inspired selective frequency damper for nearly dynamic noise-free bioelectronics.. <i>Science</i> , <b>2022</b> , 376, 624-629	33.3	8
284	An on-skin platform for wireless monitoring of flow rate, cumulative loss and temperature of sweat in real time. <i>Nature Electronics</i> , <b>2021</b> , 4, 302-312	28.4	33
283	Squaraine Dyes: Squaraine Dyes for Photovoltaic and Biomedical Applications (Adv. Funct. Mater. 12/2021). <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2170077	15.6	1
282	Avoiding heating interference and guided thermal conduction in stretchable devices using thermal conductive composite islands. <i>Nano Research</i> , <b>2021</b> , 14, 3253-3259	10	7
281	Noninterference Wearable Strain Sensor: Near-Zero Temperature Coefficient of Resistance Nanoparticle Arrays with Thermal Expansion and Transport Engineering. <i>ACS Nano</i> , <b>2021</b> , 15, 8120-8129	16.7	6
280	Silk Nanocrack Origami for Controllable Random Lasers. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2104914	15.6	2
279	Carbon aerogel reinforced PDMS nanocomposites with controllable and hierarchical microstructures for multifunctional wearable devices. <i>Carbon</i> , <b>2021</b> , 171, 758-767	10.4	10
278	Squaraine Dyes for Photovoltaic and Biomedical Applications. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2008201	15.6	23
277	Surface Modification of Gallium-Based Liquid Metals: Mechanisms and Applications in Biomedical Sensors and Soft Actuators. <i>Advanced Intelligent Systems</i> , <b>2021</b> , 3, 2000159	6	12
276	Highly Osmotic Oxidized Sucrose-Crosslinked Polyethylenimine for Gene Delivery Systems. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	3
275	Design and material for a patternable polysiloxane acrylate-based penetrating intracortical neural probe. <i>Journal of Micromechanics and Microengineering</i> , <b>2021</b> , 31, 034002	2	4
274	A Soft Variable-Area Electrical-Double-Layer Energy Harvester. <i>Advanced Materials</i> , <b>2021</b> , 33, e2103142	24	12
273	A Liquid Metal Mediated Metallic Coating for Antimicrobial and Antiviral Fabrics. <i>Advanced Materials</i> , <b>2021</b> , 33, e2104298	24	11
272	Non-yellowish and heat-resistant adhesive for a transparent heat sinking film. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2021</b> , 103, 275-282	6.3	0
271	Deterministically assigned directional sensing of a nanoscale crack based pressure sensor by anisotropic Poisson ratios of the substrate. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 5154-5161	7.1	3

270	Hopeless tooth and less posterior occlusion is related to a greater risk of low handgrip strength: A population-based cross-sectional study.. <i>PLoS ONE</i> , <b>2021</b> , 16, e0260927	3.7	0
269	Deep Learning Hybrid Method to Automatically Diagnose Periodontal Bone Loss and Stage Periodontitis. <i>Scientific Reports</i> , <b>2020</b> , 10, 7531	4.9	38
268	Optically Tunable Bifunctional Structures Fabricated by Hybrid Imprint-Photo Lithography (HIPL). <i>Advanced Materials Technologies</i> , <b>2020</b> , 5, 2000095	6.8	1
267	Injectable Biomedical Devices for Sensing and Stimulating Internal Body Organs. <i>Advanced Materials</i> , <b>2020</b> , 32, e1907478	24	23
266	Biocompatible and Biodegradable Organic Transistors Using a Solid-State Electrolyte Incorporated with Choline-Based Ionic Liquid and Polysaccharide. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1909707	15.6	32
265	Encapsulation and Release Control of Fish Pathogen Utilizing Cross-Linked Alginate Networks and Clay Nanoparticles for Use with a Potential Oral Vaccination. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 2679	2.6	2
264	Drug-loaded titanium dioxide nanoparticle coated with tumor targeting polymer as a sonodynamic chemotherapeutic agent for anti-cancer therapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2020</b> , 24, 102110	6	35
263	Omnidirectional, Broadband Light Absorption in a Hierarchical Nanoturf Membrane for an Advanced Solar-Vapor Generator. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2003862	15.6	18
262	Nanoscale-Dewetting-Based Direct Interconnection of Microelectronics for a Deterministic Assembly of Transfer Printing. <i>Advanced Materials</i> , <b>2020</b> , 32, e1908422	24	7
261	Injectable Electronics: Injectable Biomedical Devices for Sensing and Stimulating Internal Body Organs (Adv. Mater. 16/2020). <i>Advanced Materials</i> , <b>2020</b> , 32, 2070125	24	0
260	Fabrication of Randomly Stopped Polymer Nanohairs Using Scattered Electron Flood under Ambient Condition. <i>Macromolecular Research</i> , <b>2019</b> , 27, 739-742	1.9	
259	Effect of pH-Responsive Charge-Conversional Polymer Coating to Cationic Reduced Graphene Oxide Nanostructures for Tumor Microenvironment-Targeted Drug Delivery Systems. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	8
258	Polyethylenimine-functionalized cationic barley $\beta$ -glucan derivatives for macrophage RAW264.7 cell-targeted gene delivery systems. <i>Carbohydrate Polymers</i> , <b>2019</b> , 226, 115324	10.3	2
257	Ultra-Adaptable and Wearable Photonic Skin Based on a Shape-Memory, Responsive Cellulose Derivative. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1902720	15.6	57
256	Anisotropic Thermal Conductive Composite by the Guided Assembly of Boron Nitride Nanosheets for Flexible and Stretchable Electronics. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1902575	15.6	83
255	pH-Responsive i-motif Conjugated Hyaluronic Acid/Polyethylenimine Complexes for Drug Delivery Systems. <i>Pharmaceutics</i> , <b>2019</b> , 11,	6.4	5
254	Highly Sensitive Temperature Sensor: Ligand-Treated Ag Nanocrystal Thin Films on PDMS with Thermal Expansion Strategy. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1903047	15.6	59
253	Phenylboronic acid-conjugated cationic methylcellulose for hepatocellular carcinoma-targeted drug/gene co-delivery systems. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2019</b> , 75, 148-157	6.3	5

252	Electrically Robust Single-Crystalline WTe Nanobelts for Nanoscale Electrical Interconnects. <i>Advanced Science</i> , <b>2019</b> , 6, 1801370	13.6	10
251	Cholic Acid-Conjugated Methylcellulose-Polyethylenimine Nano-Aggregates for Drug Delivery Systems. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	7
250	Metallic Transition-Metal Chalcogenides: Electrically Robust Single-Crystalline WTe <sub>2</sub> Nanobelts for Nanoscale Electrical Interconnects (Adv. Sci. 3/2019). <i>Advanced Science</i> , <b>2019</b> , 6, 1970017	13.6	1
249	Strain-Visualization with Ultrasensitive Nanoscale Crack-Based Sensor Assembled with Hierarchical Thermo-chromic Membrane. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1903360	15.6	20
248	Wearable Devices: Ultra-Adaptable and Wearable Photonic Skin Based on a Shape-Memory, Responsive Cellulose Derivative (Adv. Funct. Mater. 34/2019). <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1970237	15.6	
247	Bioinspired Electronics: Bioinspired Electronics for Artificial Sensory Systems (Adv. Mater. 34/2019). <i>Advanced Materials</i> , <b>2019</b> , 31, 1970242	24	1
246	Controllable Configuration of Sensing Band in a Pressure Sensor by Lenticular Pattern Deformation on Designated Electrodes. <i>Advanced Materials</i> , <b>2019</b> , 31, e1902689	24	22
245	Photovoltaic Modules Using a Galinstan Paste Interconnection. <i>Journal of the Korean Physical Society</i> , <b>2019</b> , 74, 1184-1189	0.6	
244	Fluorination effect to intermediate molecular weight polyethylenimine for gene delivery systems. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2019</b> , 107, 2468-2478	5.4	3
243	Sensors: Controllable Configuration of Sensing Band in a Pressure Sensor by Lenticular Pattern Deformation on Designated Electrodes (Adv. Mater. 36/2019). <i>Advanced Materials</i> , <b>2019</b> , 31, 1970258	24	
242	Stretchable, Patch-Type Calorie-Expenditure Measurement Device Based on Pop-Up Shaped Nanoscale Crack-Based Sensor. <i>Advanced Healthcare Materials</i> , <b>2019</b> , 8, e1801593	10.1	12
241	Snail-Inspired Dry Adhesive with Embedded Microstructures for Enhancement of Energy Dissipation. <i>Advanced Materials Technologies</i> , <b>2019</b> , 4, 1900316	6.8	12
240	Phenylboronic Acid-polymers for Biomedical Applications. <i>Current Medicinal Chemistry</i> , <b>2019</b> , 26, 6797-6816	11.5	16
239	Releasable High-Performance GaAs Schottky Diodes for Gigahertz Operation of Flexible Bridge Rectifier. <i>Advanced Electronic Materials</i> , <b>2019</b> , 5, 1800772	6.4	10
238	Biomodification of compromised extraction sockets using hyaluronic acid and rhBMP-2: An experimental study in dogs. <i>Journal of Periodontology</i> , <b>2019</b> , 90, 416-424	4.6	8
237	MXene/Polymer Hybrid Materials for Flexible AC-Filtering Electrochemical Capacitors. <i>Joule</i> , <b>2019</b> , 3, 164-176	27.8	153
236	Chronic and acute stress monitoring by electrophysiological signals from adrenal gland. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 1146-1151	11.5	29
235	Bioinspired Electronics for Artificial Sensory Systems. <i>Advanced Materials</i> , <b>2019</b> , 31, e1803637	24	104

234	Multiaxial and Transparent Strain Sensors Based on Synergetically Reinforced and Orthogonally Cracked Hetero-Nanocrystal Solids. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1806714	15.6	36
233	Rapid, specific, and ultrasensitive fluorogenic sensing of phosgene through an enhanced PeT mechanism. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 283, 458-462	8.5	28
232	Wet-Responsive, Reconfigurable, and Biocompatible Hydrogel Adhesive Films for Transfer Printing of Nanomembranes. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1706498	15.6	67
231	A semi-permanent and durable nanoscale-crack-based sensor by on-demand healing. <i>Nanoscale</i> , <b>2018</b> , 10, 4354-4360	7.7	38
230	Stimuli-Responsive Materials: Wet-Responsive, Reconfigurable, and Biocompatible Hydrogel Adhesive Films for Transfer Printing of Nanomembranes (Adv. Funct. Mater. 18/2018). <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1870117	15.6	1
229	Layered Double Hydroxide Nanomaterials Encapsulating Nakai Extract for Potential Anticancer Nanomedicine. <i>Frontiers in Pharmacology</i> , <b>2018</b> , 9, 723	5.6	14
228	Quantitative measurement of peri-implant bone defects using optical coherence tomography. <i>Journal of Periodontal and Implant Science</i> , <b>2018</b> , 48, 84-91	2	4
227	Comparison of marginal bone loss between internal- and external-connection dental implants in posterior areas without periodontal or peri-implant disease. <i>Journal of Periodontal and Implant Science</i> , <b>2018</b> , 48, 103-113	2	8
226	On-Demand Drug Release from Gold Nanoturf for a Thermo- and Chemotherapeutic Esophageal Stent. <i>ACS Nano</i> , <b>2018</b> , 12, 6756-6766	16.7	26
225	Materials and design of nanostructured broadband light absorbers for advanced light-to-heat conversion. <i>Nanoscale</i> , <b>2018</b> , 10, 21555-21574	7.7	65
224	Hybrid Architectures of Heterogeneous Carbon Nanotube Composite Microstructures Enable Multiaxial Strain Perception with High Sensitivity and Ultrabroad Sensing Range. <i>Small</i> , <b>2018</b> , 14, e1803411	11	34
223	Periodontal pathogens and the association between periodontitis and rheumatoid arthritis in Korean adults. <i>Journal of Periodontal and Implant Science</i> , <b>2018</b> , 48, 347-359	2	14
222	Electronic Skins: Hybrid Architectures of Heterogeneous Carbon Nanotube Composite Microstructures Enable Multiaxial Strain Perception with High Sensitivity and Ultrabroad Sensing Range (Small 52/2018). <i>Small</i> , <b>2018</b> , 14, 1870253	11	
221	pH-Responsive Charge-Conversional Poly(ethylene imine)-Poly(L-lysine)-Poly(L-glutamic acid) with Self-Assembly and Endosome Buffering Ability for Gene Delivery Systems.. <i>ACS Applied Bio Materials</i> , <b>2018</b> , 1, 1496-1504	4.1	12
220	Gelatin Hydrogel-Based Organic Electrochemical Transistors and Their Integrated Logic Circuits. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 39083-39090	9.5	48
219	Trends in the utilization of dental outpatient services affected by the expansion of health care benefits in South Korea to include scaling: a 6-year interrupted time-series study. <i>Journal of Periodontal and Implant Science</i> , <b>2018</b> , 48, 3-11	2	7
218	Biosafe, Eco-Friendly Levan Polysaccharide toward Transient Electronics. <i>Small</i> , <b>2018</b> , 14, e1801332	11	24
217	Flexible Near-Field Wireless Optoelectronics as Subdermal Implants for Broad Applications in Optogenetics. <i>Neuron</i> , <b>2017</b> , 93, 509-521.e3	13.9	225

216 Flexible Electronics **2017**, 1-10

215 Electrochemical deposition of dopamine-hyaluronic acid conjugates for anti-biofouling bioelectrodes. *Journal of Materials Chemistry B*, **2017**, 5, 4507-4513 7.3 26

214 Targeted calcium influx boosts cytotoxic T lymphocyte function in the tumour microenvironment. *Nature Communications*, **2017**, 8, 15365 17.4 27

213 Improved accuracy in periodontal pocket depth measurement using optical coherence tomography. *Journal of Periodontal and Implant Science*, **2017**, 47, 13-19 2 13

212 Effective Assembly of Nano-Ceramic Materials for High and Anisotropic Thermal Conductivity in a Polymer Composite. *Polymers*, **2017**, 9, 4-5 45

211 High-Precision Temperature-Controllable Metal-Coated Polymeric Molds for Programmable, Hierarchical Patterning. *Advanced Functional Materials*, **2017**, 27, 1702993 15.6 4

210 Cellular behavior controlled by bio-inspired and geometry-tunable nanohairs. *Nanoscale*, **2017**, 9, 17743-17751 8.7 18

209 Surface energy-tunable iso decyl acrylate based molds for low pressure-nanoimprint lithography. *Nanotechnology*, **2017**, 28, 405301 3.4 0

208 Enhanced Osteogenic Commitment of Human Mesenchymal Stem Cells on Polyethylene Glycol-Based Cryogel with Graphene Oxide Substrate. *ACS Biomaterials Science and Engineering*, **2017**, 3, 2470-2479 5.5 9

207 Effects of the incorporation of  $\epsilon$ -aminocaproic acid/chitosan particles to fibrin on cementoblast differentiation and cementum regeneration. *Acta Biomaterialia*, **2017**, 61, 134-143 10.8 26

206 Comparative, randomized, double-blind clinical study of alveolar ridge preservation using an extracellular matrix-based dental resorbable membrane in the extraction socket. *Journal of Periodontal and Implant Science*, **2017**, 47, 165-173 2 7

205 A randomized controlled clinical study of periodontal tissue regeneration using an extracellular matrix-based resorbable membrane in combination with a collagenated bovine bone graft in intrabony defects. *Journal of Periodontal and Implant Science*, **2017**, 47, 363-371 2 1

204 PubMed® revamped management system is paying off. *Journal of Periodontal and Implant Science*, **2017**, 47, 64 2

203 Dramatically Enhanced Mechanosensitivity and Signal-to-Noise Ratio of Nanoscale Crack-Based Sensors: Effect of Crack Depth. *Advanced Materials*, **2016**, 28, 8130-8137 24 200

202 Designs and processes toward high-aspect-ratio nanostructures at the deep nanoscale: unconventional nanolithography and its applications. *Nanotechnology*, **2016**, 27, 474001 3.4 11

201 Percolation-Controlled Metal/Polyelectrolyte Complexed Films for All-Solution-Processable Electrical Conductors. *Advanced Functional Materials*, **2016**, 26, 8726-8734 15.6 10

200 Ultra-mechanically stable and transparent conductive electrodes using transferred grid of Ag nanowires on flexible substrate. *Current Applied Physics*, **2016**, 16, 24-30 2.6 25

199 Leaving Bethesda. *Journal of Periodontal and Implant Science*, **2016**, 46, 71 2

198	Changes in dental care access upon health care benefit expansion to include scaling. <i>Journal of Periodontal and Implant Science</i> , <b>2016</b> , 46, 405-414	2	12
197	Recent Advances in Unconventional Lithography for Challenging 3D Hierarchical Structures and Their Applications. <i>Journal of Nanomaterials</i> , <b>2016</b> , 2016, 1-17	3.2	13
196	Process, Design and Materials for Unidirectionally Tilted Polymeric Micro/Nanohairs and Their Adhesion Characteristics. <i>Polymers</i> , <b>2016</b> , 8,	4.5	4
195	Who dares, wins?. <i>Journal of Periodontal and Implant Science</i> , <b>2016</b> , 46, 1	2	
194	Concerns around Brexit from the perspective of dentistry. <i>Journal of Periodontal and Implant Science</i> , <b>2016</b> , 46, 135	2	
193	The relationship between dental implant stability and trabecular bone structure using cone-beam computed tomography. <i>Journal of Periodontal and Implant Science</i> , <b>2016</b> , 46, 116-27	2	17
192	Materials and Designs for Multimodal Flexible Neural Probes. <i>Microsystems and Nanosystems</i> , <b>2016</b> , 293-308	3.4	3
191	Multilayer Transfer Printing for Pixelated, Multicolor Quantum Dot Light-Emitting Diodes. <i>ACS Nano</i> , <b>2016</b> , 10, 4920-5	16.7	85
190	Nanoscale Sensors: Dramatically Enhanced Mechanosensitivity and Signal-to-Noise Ratio of Nanoscale Crack-Based Sensors: Effect of Crack Depth (Adv. Mater. 37/2016). <i>Advanced Materials</i> , <b>2016</b> , 28, 8068-8068	24	8
189	Agmatine-Containing Bioreducible Polymer for Gene Delivery Systems and Its Dual Degradation Behavior. <i>Biomacromolecules</i> , <b>2015</b> , 16, 2715-25	6.9	13
188	Water-soluble thin film transistors and circuits based on amorphous indium-gallium-zinc oxide. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 8268-74	9.5	98
187	Geometry-controllable graphene layers and their application for supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 8070-5	9.5	13
186	Permeability- and Surface-Energy-Tunable Polyurethane Acrylate Molds for Capillary Force Lithography. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 23824-30	9.5	12
185	Soft, stretchable, fully implantable miniaturized optoelectronic systems for wireless optogenetics. <i>Nature Biotechnology</i> , <b>2015</b> , 33, 1280-1286	44.5	510
184	Crosslinked Polypropylenimine Dendrimers With Bioreducible Linkages for Gene Delivery Systems and Their Reductive Degradation Behaviors. <i>Macromolecular Bioscience</i> , <b>2015</b> , 15, 1595-604	5.5	4
183	Health technology in perspective. <i>Journal of Periodontal and Implant Science</i> , <b>2015</b> , 45, 1	2	1
182	Volumetric quantification of bone-implant contact using micro-computed tomography analysis based on region-based segmentation. <i>Imaging Science in Dentistry</i> , <b>2015</b> , 45, 7-13	2.2	6
181	In remembrance of a valued member of our editorial board, Dr. Yoonkyung Do. <i>Journal of Periodontal and Implant Science</i> , <b>2015</b> , 45, 127	2	78

180	Welcoming a global microbiome initiative proposal for precision dentistry. <i>Journal of Periodontal and Implant Science</i> , <b>2015</b> , 45, 161	2	
179	A page is turned in the digital era. <i>Journal of Periodontal and Implant Science</i> , <b>2015</b> , 45, 191-2	2	
178	Microgrooves on titanium surface affect peri-implant cell adhesion and soft tissue sealing; an in vitro and in vivo study. <i>Journal of Periodontal and Implant Science</i> , <b>2015</b> , 45, 120-6	2	26
177	Self-Assembling Multifunctional Peptide Dimers for Gene Delivery Systems. <i>Advances in Materials Science and Engineering</i> , <b>2015</b> , 2015, 1-9	1.5	3
176	Genes at stake. <i>Journal of Periodontal and Implant Science</i> , <b>2015</b> , 45, 37	2	
175	A clear wake-up call from Korea. <i>Journal of Periodontal and Implant Science</i> , <b>2015</b> , 45, 81	2	
174	Highly durable and unidirectionally stooped polymeric nanohairs for gecko-like dry adhesive. <i>Nanotechnology</i> , <b>2015</b> , 26, 415301	3.4	12
173	An advanced navigational surgery system for dental implants completed in a single visit: an in vitro study. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , <b>2015</b> , 43, 117-25	3.6	8
172	Theoretical analysis of flexible strain-gauge sensor with nanofibrillar mechanical interlocking. <i>Current Applied Physics</i> , <b>2015</b> , 15, 274-278	2.6	5
171	Therapeutic gene delivery using bioreducible polymers. <i>Archives of Pharmacol Research</i> , <b>2014</b> , 37, 31-42	6.1	13
170	Synthesis and characterization of guanidinylated polyethylenimine-conjugated chitosan for gene delivery systems. <i>Macromolecular Research</i> , <b>2014</b> , 22, 264-271	1.9	4
169	Fundamental effects in nanoscale thermocapillary flow. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 054315	2.5	8
168	Irradiation by gallium-aluminum-arsenate diode laser enhances the induction of nitric oxide by <i>Porphyromonas gingivalis</i> in RAW 264.7 cells. <i>Journal of Periodontology</i> , <b>2014</b> , 85, 1259-65	4.6	2
167	Thin Film Receiver Materials for Deterministic Assembly by Transfer Printing. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 3502-3507	9.6	32
166	Comparison of dental implant stabilities by impact response and resonance frequencies using artificial bone. <i>Medical Engineering and Physics</i> , <b>2014</b> , 36, 715-20	2.4	15
165	Effect of Ga and As vacancies on electronic properties of Ga <sub>0.9375</sub> Al <sub>0.0625</sub> As. <i>Molecular Physics</i> , <b>2014</b> , 112, 2970-2978	1.7	
164	Comparison of alveolar ridge preservation methods using three-dimensional micro-computed tomographic analysis and two-dimensional histometric evaluation. <i>Imaging Science in Dentistry</i> , <b>2014</b> , 44, 143-8	2.2	14
163	Surface treatment of silica nanoparticles for stable and charge-controlled colloidal silica. <i>International Journal of Nanomedicine</i> , <b>2014</b> , 9 Suppl 2, 29-40	7.3	35



162	Concerns about maintenance of natural teeth and dental implants. <i>Journal of Periodontal and Implant Science</i> , <b>2014</b> , 44, 1	2	
161	The digital version of JPIS offers more than ever. <i>Journal of Periodontal and Implant Science</i> , <b>2014</b> , 44, 101	2	
160	A call for attention to developmental disabilities in dental care. <i>Journal of Periodontal and Implant Science</i> , <b>2014</b> , 44, 215	2	1
159	CanQ and WonQ. <i>Journal of Periodontal and Implant Science</i> , <b>2014</b> , 44, 49	2	
158	One more significant step completed towards the globalization of Journal of Periodontal & Implant Science. <i>Journal of Periodontal and Implant Science</i> , <b>2014</b> , 44, 157	2	
157	Anticancer drug-incorporated layered double hydroxide nanohybrids and their enhanced anticancer therapeutic efficacy in combination cancer treatment. <i>BioMed Research International</i> , <b>2014</b> , 2014, 193403	2	22
156	Ultrasensitive mechanical crack-based sensor inspired by the spider sensory system. <i>Nature</i> , <b>2014</b> , 516, 222-6	50.4	868
155	Temperature- and size-dependent characteristics in ultrathin inorganic light-emitting diodes assembled by transfer printing. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 051901	3.4	30
154	A tribute to Dr. Per-Ingvar Brånemark. <i>Journal of Periodontal and Implant Science</i> , <b>2014</b> , 44, 265	2	3
153	Cationic methylcellulose derivative with serum-compatibility and endosome buffering ability for gene delivery systems. <i>Carbohydrate Polymers</i> , <b>2014</b> , 110, 268-77	10.3	18
152	Immunologic and tissue biocompatibility of flexible/stretchable electronics and optoelectronics. <i>Advanced Healthcare Materials</i> , <b>2014</b> , 3, 515-25	10.1	80
151	Comparative evaluation of the biological properties of fibrin for bone regeneration. <i>BMB Reports</i> , <b>2014</b> , 47, 110-4	5.5	14
150	Photothermally triggered cytosolic drug delivery via endosome disruption using a functionalized reduced graphene oxide. <i>ACS Nano</i> , <b>2013</b> , 7, 6735-46	16.7	343
149	Deterministic assembly of releasable single crystal silicon-metal oxide field-effect devices formed from bulk wafers. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 182104	3.4	29
148	Fabrication and application of flexible, multimodal light-emitting devices for wireless optogenetics. <i>Nature Protocols</i> , <b>2013</b> , 8, 2413-2428	18.8	142
147	Injectable, cellular-scale optoelectronics with applications for wireless optogenetics. <i>Science</i> , <b>2013</b> , 340, 211-6	33.3	832
146	Analysis of histone deacetylase inhibitor-induced responses in human periodontal ligament fibroblasts. <i>Biotechnology Letters</i> , <b>2013</b> , 35, 129-33	3	17
145	Discriminant analysis for the thin periodontal biotype based on the data acquired from three-dimensional virtual models of Korean young adults. <i>Journal of Periodontology</i> , <b>2013</b> , 84, 1638-45	4.6	9

144	Stretchable batteries with self-similar serpentine interconnects and integrated wireless recharging systems. <i>Nature Communications</i> , <b>2013</b> , 4, 1543	17.4	978
143	Materials and Fabrication Processes for Transient and Bioresorbable High-Performance Electronics. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 4087-4093	15.6	191
142	Ex vivo bone morphogenetic protein-2 gene delivery using bone marrow stem cells in rabbit maxillary sinus augmentation in conjunction with implant placement. <i>Journal of Periodontology</i> , <b>2013</b> , 84, 985-94	4.6	13
141	Thermal analysis of injectable, cellular-scale optoelectronics with pulsed power. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2013</b> , 469, 20130142	2.4	20
140	Thermal properties of microscale inorganic light-emitting diodes in a pulsed operation. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 144505	2.5	22
139	Evaluation of the correlation between insertion torque and primary stability of dental implants using a block bone test. <i>Journal of Periodontal and Implant Science</i> , <b>2013</b> , 43, 30-6	2	49
138	Development of animal experimental periodontitis models. <i>Journal of Periodontal and Implant Science</i> , <b>2013</b> , 43, 147-52	2	14
137	Compassionate ethics for clinics. <i>Journal of Periodontal and Implant Science</i> , <b>2013</b> , 43, 49-50	2	
136	Is one better than two?. <i>Journal of Periodontal and Implant Science</i> , <b>2013</b> , 43, 145-6	2	
135	Risk and reward. <i>Journal of Periodontal and Implant Science</i> , <b>2013</b> , 43, 1-2	2	
134	New Year@ resolution in JPIS. <i>Journal of Periodontal and Implant Science</i> , <b>2013</b> , 43, 249-50	2	
133	Anticancer activity of ferulic acid-inorganic nanohybrids synthesized via two different hybridization routes, reconstruction and exfoliation-reassembly. <i>Scientific World Journal, The</i> , <b>2013</b> , 2013, 421967	2.2	15
132	The effects of the modulation of the fibronectin-binding capacity of fibrin by thrombin on osteoblast differentiation. <i>Biomaterials</i> , <b>2012</b> , 33, 4089-99	15.6	21
131	Efficient GLP-1 gene delivery using two-step transcription amplification plasmid system with a secretion signal peptide and arginine-grafted bioreducible polymer. <i>Journal of Controlled Release</i> , <b>2012</b> , 157, 243-8	11.7	12
130	Erythropoietin gene delivery using an arginine-grafted bioreducible polymer system. <i>Journal of Controlled Release</i> , <b>2012</b> , 157, 437-44	11.7	15
129	Bioinspired reversible interlocker using regularly arrayed high aspect-ratio polymer fibers. <i>Advanced Materials</i> , <b>2012</b> , 24, 475-9	24	78
128	Highly selective fluorescence turn-on sensing of gold ions by a nanoparticle generation/C-I bond cleavage sequence. <i>Analyst, The</i> , <b>2012</b> , 137, 4411-4	5	31
127	Flexible vertical light emitting diodes. <i>Small</i> , <b>2012</b> , 8, 3123-8	11	44

126	Flexible Electronics: Materials and Designs for Wirelessly Powered Implantable Light-Emitting Systems (Small 18/2012). <i>Small</i> , <b>2012</b> , 8, 2770-2770	11	2
125	A new method for the evaluation of dental implant stability using an inductive sensor. <i>Medical Engineering and Physics</i> , <b>2012</b> , 34, 1247-52	2.4	7
124	Analysis of preload-dependent reversible mechanical interlocking using beetle-inspired wing locking device. <i>Langmuir</i> , <b>2012</b> , 28, 2181-6	4	21
123	Surface energy tunable nanohairy dry adhesive by broad ion beam irradiation. <i>Soft Matter</i> , <b>2012</b> , 8, 1673-1680	3.6	23
122	The effect of internal versus external abutment connection modes on crestal bone changes around dental implants: a radiographic analysis. <i>Journal of Periodontology</i> , <b>2012</b> , 83, 1104-9	4.6	53
121	One day more. <i>Journal of Periodontal and Implant Science</i> , <b>2012</b> , 42, 183-4	2	
120	Sense & sensibility. <i>Journal of Periodontal and Implant Science</i> , <b>2012</b> , 42, 1-2	2	
119	Development of 3D statistical mandible models for cephalometric measurements. <i>Imaging Science in Dentistry</i> , <b>2012</b> , 42, 175-82	2.2	14
118	A tribute to a deceased genius. <i>Journal of Periodontal and Implant Science</i> , <b>2012</b> , 42, 31-2	2	
117	From so simple a beginning. <i>Journal of Periodontal and Implant Science</i> , <b>2012</b> , 42, 65-6	2	
116	High-efficiency, microscale GaN light-emitting diodes and their thermal properties on unusual substrates. <i>Small</i> , <b>2012</b> , 8, 1643-9	11	156
115	Materials and designs for wirelessly powered implantable light-emitting systems. <i>Small</i> , <b>2012</b> , 8, 2812-8	11	88
114	A flexible and highly sensitive strain-gauge sensor using reversible interlocking of nanofibres. <i>Nature Materials</i> , <b>2012</b> , 11, 795-801	27	1227
113	Sources of Hysteresis in Carbon Nanotube Field-Effect Transistors and Their Elimination Via Methylsiloxane Encapsulants and Optimized Growth Procedures. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 2276-2284	15.6	93
112	Porphyromonas gingivalis-derived lipopolysaccharide-mediated activation of MAPK signaling regulates inflammatory response and differentiation in human periodontal ligament fibroblasts. <i>Journal of Microbiology</i> , <b>2012</b> , 50, 311-9	3	31
111	Three-dimensional thermal analysis of wirelessly powered light-emitting systems. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2012</b> , 468, 4088-4097	2.4	4
110	Microscale Inorganic Light-Emitting Diodes on Flexible and Stretchable Substrates. <i>IEEE Photonics Journal</i> , <b>2012</b> , 4, 607-612	1.8	29
109	Epidermal electronics. <i>Science</i> , <b>2011</b> , 333, 838-43	33.3	3216

108	Visualization of tyrosinase activity in melanoma cells by a BODIPY-based fluorescent probe. <i>Chemical Communications</i> , <b>2011</b> , 47, 12640-2	5.8	78
107	Va, pensiero. <i>Journal of Periodontal and Implant Science</i> , <b>2011</b> , 41, 1-2	2	
106	Initial adhesion of bone marrow stromal cells to various bone graft substitutes. <i>Journal of Periodontal and Implant Science</i> , <b>2011</b> , 41, 67-72	2	7
105	Response of osteoblast-like cells cultured on zirconia to bone morphogenetic protein-2. <i>Journal of Periodontal and Implant Science</i> , <b>2011</b> , 41, 227-33	2	12
104	Synergic induction of human periodontal ligament fibroblast cell death by nitric oxide and N-methyl-D-aspartic acid receptor antagonist. <i>Journal of Periodontal and Implant Science</i> , <b>2011</b> , 41, 17-22 <sup>2</sup>		7
103	Producing soft molds of different feature size from a single template. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 4581-5	1.3	
102	Bioreducible polymers with cell penetrating and endosome buffering functionality for gene delivery systems. <i>Journal of Controlled Release</i> , <b>2011</b> , 152, 110-9	11.7	93
101	A BODIPY-based probe for the selective detection of hypochlorous acid in living cells. <i>Chemistry - an Asian Journal</i> , <b>2011</b> , 6, 1358-61	4.5	98
100	Enhanced ridge preservation by bone mineral bound with collagen-binding synthetic oligopeptide: a clinical and histologic study in humans. <i>Journal of Periodontology</i> , <b>2011</b> , 82, 471-80	4.6	15
99	Fabrication of Releasable Single-Crystal Silicon Metal Oxide Field-Effect Devices and Their Deterministic Assembly on Foreign Substrates. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 3029-3036	15.6	52
98	A gold nanoparticle-based fluorescence turn-on probe for highly sensitive detection of polyamines. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 11978-82	4.8	43
97	Functional composite nanofibers of poly(lactide-co-caprolactone) containing gelatin-apatite bone mimetic precipitate for bone regeneration. <i>Acta Biomaterialia</i> , <b>2011</b> , 7, 1609-17	10.8	70
96	Bioreducible polymers for gene delivery. <i>Reactive and Functional Polymers</i> , <b>2011</b> , 71, 344-349	4.6	102
95	A fluorescent turn-on probe for the detection of alkaline phosphatase activity in living cells. <i>Chemical Communications</i> , <b>2011</b> , 47, 9825-7	5.8	138
94	Socket preservation using deproteinized horse-derived bone mineral. <i>Journal of Periodontal and Implant Science</i> , <b>2010</b> , 40, 227-31	2	11
93	Biological effects of a porcine-derived collagen membrane on intrabony defects. <i>Journal of Periodontal and Implant Science</i> , <b>2010</b> , 40, 232-8	2	12
92	Beyond borders. <i>Journal of Periodontal and Implant Science</i> , <b>2010</b> , 40, 1-2	2	
91	En attendant Godot. <i>Journal of Periodontal and Implant Science</i> , <b>2010</b> , 40, 151-2	2	

90	Immunomodulatory effect of canine periodontal ligament stem cells on allogenic and xenogenic peripheral blood mononuclear cells. <i>Journal of Periodontal and Implant Science</i> , <b>2010</b> , 40, 265-70	2	39
89	Nifty fifty. <i>Journal of Periodontal and Implant Science</i> , <b>2010</b> , 40, 103-4	2	
88	Bone regeneration effects of human allogeneous bone substitutes: a preliminary study. <i>Journal of Periodontal and Implant Science</i> , <b>2010</b> , 40, 132-8	2	16
87	Up in the air. <i>Journal of Periodontal and Implant Science</i> , <b>2010</b> , 40, 209-10	2	
86	Periodontal regeneration capacity of equine particulate bone in canine alveolar bone defects. <i>Journal of Periodontal and Implant Science</i> , <b>2010</b> , 40, 220-6	2	10
85	Biological effects of a semiconductor diode laser on human periodontal ligament fibroblasts. <i>Journal of Periodontal and Implant Science</i> , <b>2010</b> , 40, 105-10	2	33
84	Pride & prejudice. <i>Journal of Periodontal and Implant Science</i> , <b>2010</b> , 40, 47-8	2	
83	Genesis revisited. <i>Journal of Periodontal and Implant Science</i> , <b>2010</b> , 40, 255-6	2	
82	Fabrication of antireflection and antifogging polymer sheet by partial photopolymerization and dry etching. <i>Langmuir</i> , <b>2010</b> , 26, 2240-3	4	69
81	Bio-inspired slanted polymer nanohairs for anisotropic wetting and directional dry adhesion. <i>Soft Matter</i> , <b>2010</b> , 6, 1849	3.6	95
80	Polymer transfected primary myoblasts mediated efficient gene expression and angiogenic proliferation. <i>Journal of Controlled Release</i> , <b>2010</b> , 142, 61-9	11.7	22
79	Bone regeneration by bioactive hybrid membrane containing FGF2 within rat calvarium. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2010</b> , 94, 1187-94	5.4	29
78	An iminocoumarin-based fluorescent probe for the selective detection of dual-specific protein tyrosine phosphatases. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 5297-300	4.8	36
77	A guanidinylated bioreducible polymer with high nuclear localization ability for gene delivery systems. <i>Biomaterials</i> , <b>2010</b> , 31, 1798-804	15.6	92
76	The present state and future of the Journal of the Korean Academy of Periodontology. <i>The Journal of the Korean Academy of Periodontology</i> , <b>2009</b> , 39, 383		
75	Survey study of powered toothbrush with guiding device for oral hygiene improvement. <i>The Journal of the Korean Academy of Periodontology</i> , <b>2009</b> , 39, 407		
74	The biologic effect of fibrin-binding synthetic oligopeptide on periodontal ligament cells. <i>The Journal of the Korean Academy of Periodontology</i> , <b>2009</b> , 39, 45		1
73	The clinical effects of a hydroxyapatite containing toothpaste for dentine hypersensitivity. <i>The Journal of the Korean Academy of Periodontology</i> , <b>2009</b> , 39, 87		10

72	Investigation of postnatal stem cells from canine dental tissue and bone marrow. <i>The Journal of the Korean Academy of Periodontology</i> , <b>2009</b> , 39, 119		3
71	Comparative evaluation of nanofibrous scaffolding for bone regeneration in critical-size calvarial defects. <i>Tissue Engineering - Part A</i> , <b>2009</b> , 15, 2155-62	3.9	66
70	The facile fabrication of a wire-grid polarizer by reversal rigiflex printing. <i>Nanotechnology</i> , <b>2009</b> , 20, 145305	3.05	4
69	Comparison between arginine conjugated PAMAM dendrimers with structural diversity for gene delivery systems. <i>Journal of Controlled Release</i> , <b>2009</b> , 136, 132-9	11.7	73
68	Stooped Nanohairs: Geometry-Controllable, Unidirectional, Reversible, and Robust Gecko-like Dry Adhesive. <i>Advanced Materials</i> , <b>2009</b> , 21, 2276-2281	24	144
67	Apatite-mineralized polycaprolactone nanofibrous web as a bone tissue regeneration substrate. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2009</b> , 88, 747-54	5.4	81
66	Large-area dual-scale metal transfer by adhesive force. <i>Small</i> , <b>2009</b> , 5, 928-32	11	30
65	Adhesion hysteresis of Janus nanopillars fabricated by nanomolding and oblique metal deposition. <i>Nano Today</i> , <b>2009</b> , 4, 385-392	17.9	76
64	Arginine-grafted bioreducible poly(disulfide amine) for gene delivery systems. <i>Biomaterials</i> , <b>2009</b> , 30, 658-64	15.6	159
63	Wettability-controllable super water- and moderately oil-repellent surface fabricated by wet chemical etching. <i>Langmuir</i> , <b>2009</b> , 25, 6576-9	4	76
62	Identification of N-methyl-D-aspartate receptor subunit in human periodontal ligament fibroblasts: potential role in regulating differentiation. <i>Journal of Periodontology</i> , <b>2009</b> , 80, 338-46	4.6	10
61	VEGF siRNA delivery system using arginine-grafted bioreducible poly(disulfide amine). <i>Molecular Pharmaceutics</i> , <b>2009</b> , 6, 718-26	5.6	83
60	Alveolar bone regeneration by transplantation of periodontal ligament stem cells and bone marrow stem cells in a canine peri-implant defect model: a pilot study. <i>Journal of Periodontology</i> , <b>2009</b> , 80, 1815-23	4.6	144
59	Shape-tunable polymer nanofibrillar structures by oblique electron beam irradiation. <i>Langmuir</i> , <b>2009</b> , 25, 8879-82	4	37
58	A highly selective fluorescent ES IPT probe for the dual specificity phosphatase MKP-6. <i>Chemical Communications</i> , <b>2009</b> , 5895-7	5.8	135
57	Unidirectional wetting and spreading on stooped polymer nanohairs. <i>Soft Matter</i> , <b>2009</b> , 5, 4131	3.6	93
56	Clinical presentation of a horse-derived biomaterial and its Biocompatibility: A Clinical Case Report. <i>The Journal of the Korean Academy of Periodontology</i> , <b>2009</b> , 39, 287		1
55	Effect of combinatorial bone morphogenetic protein 2 and bone morphogenetic protein 7 gene delivery on osteoblastic differentiation. <i>The Journal of the Korean Academy of Periodontology</i> , <b>2009</b> , 39, 279		

54	The influence of membrane exposure on post-extraction dimensional change following ridge preservation technique. <i>The Journal of the Korean Academy of Periodontology</i> , <b>2009</b> , 39, 367		2
53	Effect of scaling and root planing on alveolar bone as measured by subtraction radiography. <i>Journal of Periodontology</i> , <b>2008</b> , 79, 1663-9	4.6	16
52	Thin pentacene interlayer for polymer bulk-heterojunction solar cell. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 143305	3.4	20
51	Gold nanocones fabricated by nanotransfer printing and their application for field emission. <i>Nanotechnology</i> , <b>2008</b> , 19, 295302	3.4	33
50	Self-aligned flexible all-polymer transistor: Ultraviolet printing. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 203308	3.4	8
49	Flexible top gate pentacene thin film transistor with embedded source-drain electrode. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 013304	3.4	3
48	Effect of hydroxyapatite-coated nanofibrous membrane on the responses of human periodontal ligament fibroblast. <i>Journal of the Ceramic Society of Japan</i> , <b>2008</b> , 116, 31-35	1	11
47	Biomimetic approach to dental implants. <i>Current Pharmaceutical Design</i> , <b>2008</b> , 14, 2201-11	3.3	51
46	Experimental study on the periodontal regenerative capacity of moldable synthetic peptide domain gel in degree III furcation defect of beagles. <i>The Journal of the Korean Academy of Periodontology</i> , <b>2008</b> , 38, 621		
45	Crown lengthening for altered passive eruption. <i>The Journal of the Korean Academy of Periodontology</i> , <b>2008</b> , 38, 247		1
44	Effects of enamel matrix derivatives on biologic activities of human periodontal fibroblasts to demineralized root surface. <i>The Journal of the Korean Academy of Periodontology</i> , <b>2008</b> , 38, 679		
43	Three dimensional analysis of Korean dentogingival complex. <i>The Journal of the Korean Academy of Periodontology</i> , <b>2008</b> , 38, 199		1
42	Correction of anterior ridge defect for conventional prosthesis. <i>The Journal of the Korean Academy of Periodontology</i> , <b>2008</b> , 38, 729		
41	Optical lithography with printed metal mask and a simple superhydrophobic surface. <i>Small</i> , <b>2008</b> , 4, 182-5	5.1	34
40	Influence of platform switching on crestal bone resorption. <i>The Journal of the Korean Academy of Periodontology</i> , <b>2008</b> , 38, 135		1
39	Enhanced bone regeneration in beagle dogs with bovine bone mineral coated with a synthetic oligopeptide. <i>Journal of Periodontology</i> , <b>2007</b> , 78, 2150-5	4.6	12
38	Osteopromotion with synthetic oligopeptide-coated bovine bone mineral in vivo. <i>Journal of Periodontology</i> , <b>2007</b> , 78, 157-63	4.6	27
37	Arginine-conjugated polypropylenimine dendrimer as a non-toxic and efficient gene delivery carrier. <i>Biomaterials</i> , <b>2007</b> , 28, 2061-7	15.6	141

36	Simple fabrication of nanostructure by continuous rigiflex imprinting. <i>Microelectronic Engineering</i> , <b>2007</b> , 84, 567-572	2.5	36
35	Influence of RGD-containing oligopeptide-coated surface on bone formation in vitro and in vivo. <i>Biotechnology Letters</i> , <b>2007</b> , 29, 359-63	3	6
34	Synthesis and characterization of a novel arginine-grafted dendritic block copolymer for gene delivery and study of its cellular uptake pathway leading to transfection. <i>Bioconjugate Chemistry</i> , <b>2007</b> , 18, 309-17	6.3	70
33	A study on the differentiation of MC3T3-E1 incubated on the layer-built silica/polycaprolactone non-woven fabric produced by electrospinning. <i>The Journal of the Korean Academy of Periodontology</i> , <b>2007</b> , 37, 115		
32	Enhanced osteogenic promotion around dental implants with synthetic binding motif mimicking bone morphogenetic protein (BMP)-2. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2006</b> , 77, 599-607	5.4	64
31	Capillary force lithography with impermeable molds. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 254104	3.4	30
30	Residue-free nanofilling with wetting solutions. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 173115	3.4	6
29	Transfer fabrication technique for embedded and inverted micro/nanostructures. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 023118	3.4	6
28	Bone reaction to bovine hydroxyapatite grafted in the mandibular defects of beagle dogs. <i>The Journal of the Korean Academy of Periodontology</i> , <b>2006</b> , 36, 39		2
27	Survey of the public knowledge and opinions: the therapeutic effects of current orally administered drugs for periodontal diseases. <i>The Journal of the Korean Academy of Periodontology</i> , <b>2006</b> , 36, 179		
26	Clinical effect of smoking on the healing response following scaling and root planing. <i>The Journal of the Korean Academy of Periodontology</i> , <b>2006</b> , 36, 125		0
25	Biological stability of Zirconia/Alumina composite ceramic Implant abutment. <i>The Journal of the Korean Academy of Periodontology</i> , <b>2006</b> , 36, 555		
24	Soft tissue responses to differential shapes of the implant abutment. <i>The Journal of the Korean Academy of Periodontology</i> , <b>2006</b> , 36, 167		
23	Biological efficacy of silk fibroin nanofiber membranes for guided bone regeneration. <i>Journal of Biotechnology</i> , <b>2005</b> , 120, 327-39	3.7	278
22	Synthesis of biodegradable cross-linked poly(beta-amino ester) for gene delivery and its modification, inducing enhanced transfection efficiency and stepwise degradation. <i>Bioconjugate Chemistry</i> , <b>2005</b> , 16, 1140-8	6.3	48
21	A study on the safety and efficacy of bovine bone-derived bone graft material(OCS-B). <i>The Journal of the Korean Academy of Periodontology</i> , <b>2005</b> , 35, 335		1
20	Effect of CD14, Toll-like receptors, cytoskeletal inhibitors and NF- $\kappa$ B inhibitor on MMP-8 release from human neutrophils induced by E. coli lipopolysaccharides. <i>The Journal of the Korean Academy of Periodontology</i> , <b>2005</b> , 35, 427		
19	A study on the plaque removal efficiency of new and worn toothbrushes. <i>The Journal of the Korean Academy of Periodontology</i> , <b>2005</b> , 35, 163		0



18	The effect of periodontal flap surgery on Matrix metalloproteinases (MMPs) and Tissue inhibitors of matrix metalloproteinase-1 (TIMP-1) levels in gingival crevicular fluids of periodontitis patients. <i>The Journal of the Korean Academy of Periodontology</i> , <b>2005</b> , 35, 123		
17	The effects of enamel matrix derivatives on the proliferation and gene expression of PDL fibroblast, SaOs2 cells and Cementum derived cells. <i>The Journal of the Korean Academy of Periodontology</i> , <b>2005</b> , 35, 321		
16	In vivo assessment of Fibroblast growth factor(FGF)-Fibronectin fusion protein coating on titanium: Histomorphometric analysis in rabbit tibia. <i>The Journal of the Korean Academy of Periodontology</i> , <b>2005</b> , 35, 153		
15	Osteogenic activity of an adenovirus expressing BMP-2 on Human Periodontal Ligament cells. <i>The Journal of the Korean Academy of Periodontology</i> , <b>2005</b> , 35, 511		1
14	Matrix metalloproteinases and Tissue inhibitors of matrix metalloproteinases in gingival crevicular fluids of periodontitis patients. <i>The Journal of the Korean Academy of Periodontology</i> , <b>2004</b> , 34, 139		1
13	Biomimetic approach on human periodontal ligament cells using synthetic oligopeptides. <i>Journal of Periodontology</i> , <b>2004</b> , 75, 925-32	4.6	6
12	Low-Pressure Nanoimprint Lithography. <i>Nano Letters</i> , <b>2004</b> , 4, 633-637	11.5	104
11	PAMAM-PEG-PAMAM: novel triblock copolymer as a biocompatible and efficient gene delivery carrier. <i>Biomacromolecules</i> , <b>2004</b> , 5, 2487-92	6.9	187
10	Fibronectin fragment promotes osteoblast-associated gene expression and biological activity of human osteoblast-like cell. <i>Biotechnology Letters</i> , <b>2003</b> , 25, 2007-11	3	22
9	Enhanced bone augmentation by controlled release of recombinant human bone morphogenetic protein-2 from bioabsorbable membranes. <i>Journal of Periodontology</i> , <b>2003</b> , 74, 865-72	4.6	46
8	Antimicrobial effect of Zea Mays L. and Magnoliae cortex extract mixtures on periodontal pathogen and effect on human gingival fibroblast cellular activity. <i>The Journal of the Korean Academy of Periodontology</i> , <b>2002</b> , 32, 249		7
7	The effects of Magnoliae cortex and Zea Mays L. extract mixtures on experimentally induced periodontitis of beagle dog. <i>The Journal of the Korean Academy of Periodontology</i> , <b>2002</b> , 32, 847		1
6	Design and biological activity of synthetic oligopeptides with Pro-His-Ser-Arg-Asn (PHSRN) and Arg-Gly-Asp (RGD) motifs for human osteoblast-like cell (MG-63) adhesion. <i>Biotechnology Letters</i> , <b>2002</b> , 24, 2029-2033	3	17
5	The effect of zea Mays L. and Magnoliae cortex extracts mixture on the rat calvarial defects ; in vivo study of bone regenerative activity. <i>The Journal of the Korean Academy of Periodontology</i> , <b>2002</b> , 32, 403		1
4	Ohmic contact formation mechanism of nonalloyed Pd contacts to p-type GaN observed by positron annihilation spectroscopy. <i>Applied Physics Letters</i> , <b>1999</b> , 74, 2289-2291	3.4	57
3	Zoledronic acid-loaded cationic methylcellulose polyplex nanoparticles for enhanced gene delivery efficiency and breast cancer cell killing effect. <i>Applied Nanoscience (Switzerland)</i> ,1	3.3	
2	Stretchable and Soft Organic Electronic Devices for Body-Integrated Electronic Systems. <i>Advanced Materials Technologies</i> ,2001273	6.8	6
1	Skin-Inspired Capacitive Stress Sensor with Large Dynamic Range via Bilayer Liquid Metal Elastomers. <i>Advanced Materials Technologies</i> ,2101074	6.8	6

