# Han-Choel Choe

List of Publications by Year
in descending order



| 178 | 2,438 | 201385 27 | 301761 39 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 178 | 178 | 178 | 1835 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Precipitation of bone-like apatite on plasma electrolytic oxidized Ti-6Al-4V alloy. Thin Solid Films, 2022, 746, 139136. | 0.8 | 7 |
| 2 | Electrochemical characteristics of Sr/Si-doped hydroxyapatite coating on the Ti alloy surface via plasma electrolytic oxidation. Thin Solid Films, 2022, 746, 139124. | 0.8 | 8 |
| 3 | A new link between apoptosis induced by the metformin derivative HL156A and autophagy in oral squamous cell carcinoma. European Journal of Pharmacology, 2022, 920, 174859. | 1.7 | 3 |
| 4 | Micro-scaled morphology of Ti-40Nb-xZr alloy with applied voltage via plasma electrolytic oxidation. Thin Solid Films, 2022, 751, 139231. | 0.8 | 3 |
| 5 | Nanotube Formation of Ti-6Al-4V Alloy and Its Corrosion Behavior. Thin Solid Films, 2022, , 139216. | 0.8 | 2 |
| 6 | Surface Characteristics of Dental Implant Doped with Si, Mg, Ca, and P Ions via Plasma Electrolytic Oxidation. Journal of Korean Institute of Metals and Materials, 2022, 60, 263-271. | 0.4 | 2 |
| 7 | Corrosion behaviors of macro/micro/nano-scale surface modification on Ti-6Al-4V alloy for bio-implant. Thin Solid Films, 2022, 754, 139314. | 0.8 | 7 |
| 8 | Surface characteristics of plasma electrolytic oxidized Ti-mesh for dental use. Korean Journal of Dental Materials, 2022, 49, 63-76. | 0.2 | 0 |
| 9 | Nanotube shape changes on Ti-6Al-4ÂV alloy via various applied potential for bio-implants. Applied Nanoscience (Switzerland), 2022, 12, 3329-3336. | 1.6 | 1 |
| 10 | Simultaneous improvement of corrosion resistance and bioactivity of a titanium alloy via wet and dry plasma treatments. Journal of Alloys and Compounds, 2021, 851, 156840. | 2.8 | 47 |
| 11 | Bioactive element coatings on nano-mesh formed Ti-6Al-4V alloy surface using plasma electrolytic oxidation. Surface and Coatings Technology, 2021, 406, 126649. | 2.2 | 13 |
| 12 | Acceleration of Bone Formation and Adhesion Ability on Dental Implant Surface via Plasma Electrolytic Oxidation in a Solution Containing Bone Ions. Metals, 2021, 11, 106. | 1.0 | 20 |
| 13 | Nano/Micro-Sized Morphologies of Hydroxyapatite Coatings Containing Mn and Si on an Oxidized Tiâ€“6Alâ€“4V Alloy Surface for Dental Implants. Journal of Nanoscience and Nanotechnology, 2021, 21, 3701-3706. | 0.9 | 2 |
| 14 | Plasma Electrolytic Oxidation on Tiâ€“xNbâ€“2Agâ€“2Pt Alloys for Nano- and Micro-Pore Formation in Electrolyte with Ca and P Ions for Dental Implant Use. Journal of Nanoscience and Nanotechnology, 2021, 21, 3753-3758. | 0.9 | 1 |
| 15 | Electrochemical Analysis of Nano- and Micro-Sized Pore Formed Tiâ€“6Alâ€“4V Alloys in Solution Containing Ca, P, Mn, and Si Ions via Plasma Eletrolytic Oxidation for Bio-Implant Materials. Journal of Nanoscience and Nanotechnology, 2021, 21, 4022-4028. | 0.9 | 2 |
| 16 | Nanotube Morphology Changes of Tiâ€“xTaâ€“Agâ€“Pt Alloys with Ta Content for Biomaterials. Journal of Nanoscience and Nanotechnology, 2021, 21, 4807-4812. | 0.9 | 0 |
| 17 | Morphology of hydroxyapatite and Sr coatings deposited using radio frequency-magnetron sputtering method on nanotube formed Ti-6Al-4V alloy. Thin Solid Films, 2021, 735, 138893. | 0.8 | 6 |
| 18 | The effect of in-situ reactive incorporation of MoOx on the corrosion behavior of Ti-6Al-4ÂV alloy coated via micro-arc oxidation coating. Corrosion Science, 2021, 192, 109764. | 3.0 | 32 |

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| 19 | Surface characteristics of nanotube-formed Ti-Ta-Ag-Pt alloys for dental implants. Korean Journal of Dental Materials, 2021, 48, 191-210. | 0.2 | 0 |
| 20 | Plasma electrolytic oxidized surface of (Mg/Si)-hydroxyapatite coated Ti-29Nb-xHf alloys for dental implant. Korean Journal of Dental Materials, 2021, 48, 255-268. | 0.2 | 1 |
| 21 | Triggering the hydroxyapatite deposition on the surface of PEO-coated Tiâ€“6Alâ€“4V alloy via the dual incorporation of Zn and Mg ions. Journal of Alloys and Compounds, 2020, 819, 153038. | 2.8 | 59 |
| 22 | Highly Ordered Nanotube Formation on Beta Typed Tiâ€“xTa Alloy Surface. Journal of Nanoscience and Nanotechnology, 2020, 20, 5791-5795. | 0.9 | 1 |
| 23 | Magnesium, silicon, and hydroxyapatite deposition on the Ti-xNb-2Ag-2Pt alloy by co-sputtering after nanotube formation. Surface and Coatings Technology, 2020, 404, 126487. | 2.2 | 9 |
| 24 | Plasma electrolytic oxidation of Ti-6Al-4V alloy in electrolytes containing bone formation ions. Applied Surface Science, 2020, 513, 145776. | 3.1 | 17 |
| 25 | Functional element coatings on Ti-alloys for biomaterials by plasma electrolytic oxidation. Thin Solid Films, 2020, 699, 137896. | 0.8 | 11 |
| 26 | Plasma electrolytic oxidation of Ti-25Nb-xTa alloys in solution containing Ca and P ions. Surface and Coatings Technology, 2020, 395, 125916. | 2.2 | 32 |
| 27 | Corrosion Behaviors of Zn, Si, and Mn-Doped Hydroxyapatite Coatings Formed on the Tiâ€“6Alâ€“4V Alloy by Plasma Electrolytic Oxidation. Journal of Nanoscience and Nanotechnology, 2020, 20, 5618-5624. | 0.9 | 2 |
| 28 | Nanotube Morphology Changes on the Tiâ€“xNbâ€“Agâ€“Pt Alloy with Nb Contents. Journal of Nanoscience and Nanotechnology, 2020, 20, 5751-5754. | 0.9 | 1 |
| 29 | Surface Observation of Plasma Electrolytic Oxidation-Treated Tiâ€“6Alâ€“4V Alloy After 2-Step Nano-Mesh Formation. Journal of Nanoscience and Nanotechnology, 2020, 20, 5755-5758. | 0.9 | 0 |
| 30 | Corrosion behaviors of bioactive element coatings on PEO-treated Ti-6Al-4V alloys. Surface and Coatings Technology, 2019, 376, 44-51. | 2.2 | 23 |
| 31 | Functional Elements Coatings on Tiâ€“6Alâ€“4V Alloy by Plasma Electrolytic Oxidation for Biomaterials. Journal of Nanoscience and Nanotechnology, 2019, 19, 1114-1117. | 0.9 | 2 |
| 32 | Electrochemical and bioactive characteristics of the porous surface formed on Ti-xNb alloys via plasma electrolytic oxidation. Surface and Coatings Technology, 2019, 378, 125027. | 2.2 | 46 |
| 33 | Surface morphology and cell behavior of Zn-coated Ti-6Al-4V alloy by RF-sputtering after PEO-treatment. Surface and Coatings Technology, 2019, 361, 386-395. | 2.2 | 19 |
| 34 | Bioactive apatite formation on PEO-treated Ti-6Al-4V alloy after 3rd anodic titanium oxidation. Applied Surface Science, 2019, 484, 365-373. | 3.1 | 29 |
| 35 | Functional Elements Coatings on the Plasma Electrolytic Oxidation-Treated Tiâ€“6Alâ€“4V Alloy by Electrochemical Precipitation Method. Journal of Nanoscience and Nanotechnology, 2019, 19, 4344-4349. | 0.9 | 11 |
| 36 | Surface observation of nanotube-formed titanium by anodization in electrolyte containing hydroxyapatite nanoparticles. Applied Surface Science, 2019, 483, 76-84. | 3.1 | 10 |

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| 37 | Evaluation of bone formation on ultra-fine structures in simulated body fluid. Applied Surface Science, 2019, 477, 271-279. | 3.1 | 10 |
| 38 | Morphology changes and bone formation on PEO-treated Ti-6Al-4V alloy in electrolyte containing Ca, P, Sr, and Si ions. Applied Surface Science, 2019, 477, 121-130. | 3.1 | 27 |
| 39 | Corrosion phenomena of PEO-treated films formed in solution containing Mn, Mg, and Si ions. Applied Surface Science, 2019, 477, 50-59. | 3.1 | 21 |
| 40 | Effects of Zn and Si ions on the corrosion behaviors of PEO-treated Ti-6Al-4V alloy. Applied Surface Science, 2019, 477, 79-90. | 3.1 | 20 |
| 41 | Hydroxyapatite coatings containing Zn and Si on Ti-6Al-4Valloy by plasma electrolytic oxidation. Applied Surface Science, 2018, 432, 337-346. | 3.1 | 28 |
| 42 | Mg-containing hydroxyapatite coatings on Ti-6Al-4V alloy for dental materials. Applied Surface Science, 2018, 432, 294-299. | 3.1 | 17 |
| 43 | Ultra-fine structures of Pd-Ag-HAp nanoparticle deposition on protruded TiO 2 barrier layer for dental implant. Applied Surface Science, 2018, 432, 285-293. | 3.1 | 9 |
| 44 | Mn-coatings on the micro-pore formed Ti-29Nb-xHf alloys by RF-magnetron sputtering for dental applications. Applied Surface Science, 2018, 432, 278-284. | 3.1 | 20 |
| 45 | A Simulated Body Fluid Evaluation of TiO2 Barrier Oxide Layer Formed by Electrochemical Reaction. Journal of Nanoscience and Nanotechnology, 2018, 18, 2058-2062. | 0.9 | 1 |
| 46 | Electrochemical Deposition of Hydroxyapatite Substituted with Magnesium and Strontium on Tiâ€“6Alâ€“4V Alloy. Journal of Nanoscience and Nanotechnology, 2018, 18, 1449-1452. | 0.9 | 6 |
| 47 | Pore Shape Changes and Apatite Formation on Zn and Si Ion-Doped HA Films of Ti-6Al-4V After Plasma Electrolytic Oxidation Treatment. Journal of Nanoscience and Nanotechnology, 2018, 18, 1442-1444. | 0.9 | 3 |
| 48 | Hydroxyapatite Coatings Containing Mn and Si on the Oxidized Ti-6Al-4V Alloy for Dental Applications. Journal of Nanoscience and Nanotechnology, 2018, 18, 833-836. | 0.9 | 5 |
| 49 | Morphology Changes of Plasma Electrolytic Oxidized Tiâ€“6Alâ€“4V Alloy in the Electrolytes Containing Sr and Si Ions. Journal of Nanoscience and Nanotechnology, 2018, 18, 1453-1456. | 0.9 | 0 |
| 50 | Effects of Hf content on nanotubular structure of Ti-29Nb-xHf ternary alloys. Surface and Coatings Technology, 2017, 320, 109-117. | 2.2 | 6 |
| 51 | Biocompatibility and Degradation of a Low Elastic Modulus Ti-35Nb-3Zr Alloy: Nanosurface Engineering for Enhanced Degradation Resistance. ACS Biomaterials Science and Engineering, 2017, 3, 509-517. | 2.6 | 17 |
| 52 | Phenomena of Nano- and Micro-Pore Formation on Ti-(10~50)Ta Alloys by Plasma Electrolytic Oxidation for Dental Implants. Journal of Nanoscience and Nanotechnology, 2017, 17, 2285-2290. | 0.9 | 6 |
| 53 | Electrochemical deposition behavior and characterization of Pd-Ag-HAp nanoparticles on ultra-fine TiO 2 nanotubes. Surface and Coatings Technology, 2017, 320, 383-390. | 2.2 | 16 |
| 54 | Electrochemical characteristics of Ti-6Al-4V after plasma electrolytic oxidation in solutions containing Ca, P, and Zn ions. Surface and Coatings Technology, 2017, 320, 458-466. | 2.2 | 42 |

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| 55 | Manganese Coatings on Hydroxyapatite-Deposited Tiâ€“29Nbâ€“xHf Alloys After Nanomesh Formation. Journal of Nanoscience and Nanotechnology, 2017, 17, 2661-2665. | 0.9 | 1 |
| 56 | Surface Characteristics of Nanotube Formed Tiâ€“25Nbâ€“xZr Alloys. Journal of Nanoscience and Nanotechnology, 2017, 17, 2655-2660. | 0.9 | 2 |
| 57 | Effects of Electrolyte Concentration on Formation of Calcium Phosphate Films on Tiâ€“6Alâ€“4V by Electrochemical Deposition. Journal of Nanoscience and Nanotechnology, 2017, 17, 2743-2746. | 0.9 | 7 |
| 58 | Nanosized Hydroxyapatite Precipitation on the Tiâ€”30Taâ€”‹x‹/i›Hf Alloys. Journal of Nanoscience and Nanotechnology, 2017, 17, 2596-2600. | 0.9 | 0 |
| 59 | Ultra-Fine HAp Nanoparticles Synthesized Onto TiO2 Barrier-Type Oxide Film for Biocompatibility. Journal of Nanoscience and Nanotechnology, 2017, 17, 3903-3908. | 0.9 | 0 |
| 60 | Effect of different grinding burs on the physical properties of zirconia. Journal of Advanced Prosthodontics, 2016, 8, 137. | 1.1 | 24 |
| 61 | Nano-Sized Hydroxyapatite Coating on Tiâ€“‹I›x‹/I›Ta Alloys for Dental Materials. Journal of Nanoscience and Nanotechnology, 2016, 16, 11022-11030. | 0.9 | 0 |
| 62 | Reprint of â€œHydroxyapatite deposition on micropore-formed Ti-Ta-Nb alloys by plasma electrolytic oxidation for dental applicationsâ€• Surface and Coatings Technology, 2016, 307, 1152-1157. | 2.2 | 4 |
| 63 | Hydroxyapatite deposition on micropore-formed Ti-Ta-Nb alloys by plasma electrolytic oxidation for dental applications. Surface and Coatings Technology, 2016, 294, 15-20. | 2.2 | 18 |
| 64 | Bone-like apatite formation on manganese-hydroxyapatite coating formed on Ti-6Al-4V alloy by plasma electrolytic oxidation. Thin Solid Films, 2016, 620, 126-131. | 0.8 | 34 |
| 65 | Hydroxyapatite-silicon film deposited on Tiâ€“Nbâ€“10Zr by electrochemical and magnetron sputtering method. Thin Solid Films, 2016, 620, 114-118. | 0.8 | 12 |
| 66 | Electrochemically-coated hydroxyapatite films on nanotubular Ti Nb alloys prepared in solutions containing Ca, P, and Zn ions. Thin Solid Films, 2016, 620, 132-138. | 0.8 | 15 |
| 67 | Variations of nanotubes on the Tiâ€“Nbâ€“Hf alloys with applied voltages. Thin Solid Films, 2016, 620, 119-125. | 0.8 | 8 |
| 68 | Surface Characteristics of Nano-Structured Silicon/Hydroxyapatite Deposition onto the Tiâ€“Nbâ€“Zr Alloy. Journal of Nanoscience and Nanotechnology, 2016, 16, 1783-1786. | 0.9 | 5 |
| 69 | Biocompatibility of Mg Ion Doped Hydroxyapatite Films on Tiâ€“6Alâ€“4V Surface by Electrochemical Deposition. Journal of Nanoscience and Nanotechnology, 2016, 16, 1405-1409. | 0.9 | 3 |
| 70 | Effect of the Mg Ion Containing Oxide Films on the Biocompatibility of Plasma Electrolytic Oxidized Ti-6Al-4V. Journal of the Korean Institute of Surface Engineering, 2016, 49, 135-140. | 0.1 | 9 |
| 71 | Fractured Surface Morphology and Mechanical Properties of Ni-Cr Based Alloys with Mo Content for Dental Applications. Journal of the Korean Institute of Surface Engineering, 2016, 49, 260-264. | 0.1 | 0 |
| 72 | Microstructure and Mechanical Properties of Rod Wire and Dental Coâ€“Cr Alloy before and after Casting. Science of Advanced Materials, 2016, 8, 2241-2247. | 0.1 | 0 |

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| 73 | Corrosion Properties of Niâ€“13Crâ€“(4â¼10)Mo for Dental Casting Alloys. Science of Advanced Materials, 2016, 8, 2248-2252. | 0.1 | 0 |
| 74 | Porcelain Bonding Strength and Mechanical Properties of Sintered Ni-Cr-Ti Alloy for Dental Prosthodontics. Journal of the Korean Institute of Surface Engineering, 2016, 49, 560-566. | 0.1 | 0 |
| 75 | Highly ordered nanotubular film formation on Tiâ€“25Nbâ€“xZr and Tiâ€“25Taâ€“xHf. Thin Solid Films, 2015, 596, 94-100. | 0.8 | 4 |
| 76 | Electrochemical Characteristics of Cell Cultured Tiâ€“Nbâ€“Zr Alloys After Nano-Crystallized Si-HA Coating. Journal of Nanoscience and Nanotechnology, 2015, 15, 185-188. | 0.9 | 2 |
| 77 | Nano-Particle Formation of Mn/HA on the Ti-35Ta-<I>x</I>Nb Alloy by Electrochemical Methods. Journal of Nanoscience and Nanotechnology, 2015, 15, 6120-6123. | 0.9 | 0 |
| 78 | Nanotube Nucleation Phenomena of Titanium Dioxide on the Tiâ€“6Alâ€“4V Alloy Using Anodic Titanium Oxide Technique. Journal of Nanoscience and Nanotechnology, 2015, 15, 467-470. | 0.9 | 3 |
| 79 | Surface morphology of Zn-containing hydroxyapatite (Zn-HA) deposited electrochemically on Tiâ€“xNb alloys. Thin Solid Films, 2015, 587, 163-168. | 0.8 | 11 |
| 80 | Nanotubular Structure on the Tiâ€“29Nbâ€“5Zr Alloy by Scanning Transmission Electron Microscope. Journal of Nanoscience and Nanotechnology, 2015, 15, 595-599. | 0.9 | 3 |
| 81 | Electrochemical Deposition of Si-Ca/P on Nanotube Formed Beta Ti Alloy by Cyclic Voltammetry Method. Journal of Nanoscience and Nanotechnology, 2015, 15, 6124-6128. | 0.9 | 2 |
| 82 | The Control of Nanotube Morphology Using Various Factors for Dental Implant. Journal of Nanoscience and Nanotechnology, 2015, 15, 181-184. | 0.9 | 0 |
| 83 | Low elastic modulus Tiâ€“Ta alloys for load-bearing permanent implants: Enhancing the biodegradation resistance by electrochemical surface engineering. Materials Science and Engineering C, 2015, 46, 226-231. | 3.8 | 25 |
| 84 | Effects of TiN Coating on the Fatigue Fracture of Dental Implant System with Various Cyclic Loads. Journal of the Korean Institute of Surface Engineering, 2015, 48, 283-291. | 0.1 | 0 |
| 85 | AC Impedance Behaviors of Electrochemically Deposited Siâ€“Hydroxyapatite Films on Nanotube-Formed Tiâ€“Nbâ€“Zr Alloys. Journal of Nanoscience and Nanotechnology, 2014, 14, 9014-9019. | 0.9 | 2 |
| 86 | Electrochemical and Sputtering Deposition of Hydroxyapatite Film on Nanotubular Tiâ€“25Taâ€“<I>x</I>Zr Alloys. Journal of Nanoscience and Nanotechnology, 2014, 14, 8405-8410. | 0.9 | 2 |
| 87 | Hydroxyapatite Precipitation on Nanotube Surfaces of Tiâ€“35Taâ€“<I>x</I>Nb Alloys. Journal of Nanoscience and Nanotechnology, 2014, 14, 7581-7584. | 0.9 | 4 |
| 88 | Nanotube Nucleation Phenomena on Tiâ€“25Taâ€“<I>x</I>Zr Alloys for Implants Using ATO Technique. Journal of Nanoscience and Nanotechnology, 2014, 14, 7569-7573. | 0.9 | 4 |
| 89 | Hydroxyapatite formation on biomedical Tiâ€“Taâ€“Zr alloys by magnetron sputtering and electrochemical deposition. Thin Solid Films, 2014, 572, 119-125. | 0.8 | 27 |
| 90 | Control of nanotube shape and morphology on Tiâ€“Nb(Ta)â€“Zr alloys by varying anodizing potential. Thin Solid Films, 2014, 572, 105-112. | 0.8 | 19 |

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| 91 | Electrochemical behavior of hydroxyapatite/TiN multi-layer coatings on Ti alloys. Thin Solid Films, 2014, 572, 113-118. | 0.8 | 15 |
| 92 | Preparation of silicon-substituted hydroxyapatite coatings on Tiâ€“30Nbâ€“xTa alloys using cyclic electrochemical deposition method. Thin Solid Films, 2014, 572, 99-104. | 0.8 | 16 |
| 93 | Surface Morphology of Nanotube Formed Ti Alloy by Electrochemical Methods. Journal of Nanoscience and Nanotechnology, 2014, 14, 8372-8376. | 0.9 | 2 |
| 94 | Surface characteristics of hydroxyapatite coatings on nanotubular Tiâ€“25Taâ€“xZr alloys prepared by electrochemical deposition. Surface and Coatings Technology, 2014, 259, 274-280. | 2.2 | 13 |
| 95 | Morphology change of HA films on highly ordered nanotubular Tiâ€“Nbâ€“Hf alloys as a function of electrochemical deposition cycle. Surface and Coatings Technology, 2014, 259, 281-289. | 2.2 | 14 |
| 96 | Effects of TiN and WC coating on the fatigue characteristics of dental implant. Surface and Coatings Technology, 2014, 243, 71-81. | 2.2 | 21 |
| 97 | Morphology of hydroxyapatite nanoparticles in coatings on nanotube-formed Tiâ€“Nbâ€“Zr alloys for dental implants. Vacuum, 2014, 107, 297-303. | 1.6 | 29 |
| 98 | Biocompatibility of Nanotube Formed Tiâ€“30Nbâ€“7Ta Alloys. Journal of Nanoscience and Nanotechnology, 2014, 14, 8427-8431. | 0.9 | 1 |
| 99 | Surface Characteristics of HA Coating and Micro-Pore Formation on the Tiâ€“25Nbâ€“<I>x</I>Hf Alloys for Dental Materials. Journal of Nanoscience and Nanotechnology, 2014, 14, 7745-7750. | 0.9 | 0 |
| 100 | Optimization of Nano-Etching Treatment for Bonding Strength Between Zirconia and Veneering Porcelain. Journal of Nanoelectronics and Optoelectronics, 2014, 9, 76-82. | 0.1 | 0 |
| 101 | AC impedance behavior of silicon-hydroxyapatite doped film on the Tiâ€“35Nbâ€“xZr alloy by EB-PVD method. Surface and Coatings Technology, 2013, 228, S505-S510. | 2.2 | 14 |
| 102 | Photofunctionalization of EB-PVD HA-coated nano-pore surface of Tiâ€“30Nbâ€“xZr alloy for dental implants. Surface and Coatings Technology, 2013, 228, S470-S476. | 2.2 | 14 |
| 103 | Hydroxyapatite precipitation on nanotubular films formed on Ti-6Al-4V alloy for biomedical applications. Thin Solid Films, 2013, 549, 135-140. | 0.8 | 29 |
| 104 | Surface characteristics of hydroxyapatite-coated layer prepared on nanotubular Tiâ€“35Taâ€“xHf alloys by EB-PVD. Thin Solid Films, 2013, 549, 147-153. | 0.8 | 9 |
| 105 | Formation of titanium dioxide nanotubes on Tiâ€“30Nbâ€“xTa alloys by anodizing. Thin Solid Films, 2013, 549, 141-146. | 0.8 | 27 |
| 106 | Hydroxyapatite coating on micropore-formed titanium alloy utilizing electrochemical deposition. Thin Solid Films, 2013, 549, 154-158. | 0.8 | 23 |
| 107 | Hydroxyapatite thin film coatings on nanotube-formed Tiâ€“35Nbâ€“10Zr alloys after femtosecond laser texturing. Surface and Coatings Technology, 2013, 217, 13-22. | 2.2 | 35 |
| 108 | Bioactivity evaluation of porous TiO2 surface formed on titanium in mixed electrolyte by spark anodization. Surface and Coatings Technology, 2013, 235, 706-713. | 2.2 | 33 |

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| 109 | Surface characteristics of hydroxyapatite films deposited on anodized titanium by an electrochemical method. Thin Solid Films, 2013, 546, 185-188. | 0.8 | 21 |
| 110 | Surface morphology of TiN-coated nanotubular Tiâ€“25Taâ€“xZr alloys for dental implants prepared by RF sputtering. Thin Solid Films, 2013, 549, 131-134. | 0.8 | 11 |
| 111 | Plasma deposition of a silicone-like layer for the corrosion protection of magnesium. Progress in Organic Coatings, 2013, 76, 1827-1832. | 1.9 | 15 |
| 112 | Silicon-substituted hydroxyapatite coating with Si content on the nanotube-formed Tiâ€“Nbâ€“Zr alloy using electron beam-physical vapor deposition. Thin Solid Films, 2013, 546, 189-195. | 0.8 | 18 |
| 113 | Surface Morphology of Highly Ordered Nanotube Formed and Laser Textured Beta Titanium Alloys. Journal of Nanoscience and Nanotechnology, 2013, 13, 1876-1879. | 0.9 | 3 |
| 114 | Electrochemical Characteristics of TiN/ZrN Multilayers on the Tiâ€“35Taâ€“xHf Alloy by Magnetron Sputtering. Japanese Journal of Applied Physics, 2013, 52, 11NB06. | 0.8 | 0 |
| 115 | Surface Observation of Nanotube/Micropit Formed Tiâ€“Nbâ€“<I>x</I>Zr Alloy for Biocompatibility. Journal of Nanoscience and Nanotechnology, 2013, 13, 1706-1709. | 0.9 | 1 |
| 116 | Surface Phenomena of Hydroxyapatite Film on the Nanopore Formed Tiâ€“29Nbâ€“<I>x</I>Zr Alloy by Anodization for Bioimplants. Journal of Nanoscience and Nanotechnology, 2013, 13, 1679-1683. | 0.9 | 4 |
| 117 | Effect of various intraoral repair systems on the shear bond strength of composite resin to zirconia. Journal of Advanced Prosthodontics, 2013, 5, 248. | 1.1 | 33 |
| 118 | Effect of coating on properties of esthetic orthodontic nickel-titanium wires. Angle Orthodontist, 2012, 82, 319-325. | 1.1 | 62 |
| 119 | Formation of Nano-Phase Hydroxyapatite Film on TiO<SUB>2</SUB> Nano-Network. Journal of Nanoscience and Nanotechnology, 2012, 12, 822-827. | 0.9 | 9 |
| 120 | Electrochemical and surface behavior of hydyroxyapatite/Ti film on nanotubular Tiâ€“35Nbâ€“xZr alloys. Applied Surface Science, 2012, 258, 2129-2136. | 3.1 | 29 |
| 121 | Surface characteristics of TiN/ZrN coated nanotubular structure on the Tiâ€“35Taâ€“xHf alloy for bio-implant applications. Applied Surface Science, 2012, 258, 2088-2092. | 3.1 | 16 |
| 122 | Surface phenomena of HA/TiN coatings on the nanotubular-structured beta Tiâ€“29Nbâ€“5Zr alloy for biomaterials. Applied Surface Science, 2012, 258, 2083-2087. | 3.1 | 14 |
| 123 | Effects of TiN coating on the corrosion of nanostructured Tiâ€“30Taâ€“xZr alloys for dental implants. Applied Surface Science, 2012, 258, 1929-1934. | 3.1 | 39 |
| 124 | Comparison of fatigue fracture strength by fixture diameter of mini implants. The Journal of Korean Academy of Prosthodontics, 2012, 50, 156. | 0.0 | 1 |
| 125 | Enhanced research of nanotubularâ€structured Tiâ€35Nbâ€xZr alloys for biomaterials using STEM. Surface and Interface Analysis, 2012, 44, 1462-1467. | 0.8 | 3 |
| 126 | Measurement of oxide thin film dissolution rate on the HA-coated Ti alloy by scanning electron microscopy and impedance spectroscopy. Surface and Interface Analysis, 2012, 44, 1468-1472. | 0.8 | 6 |

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| 127 | Nanotube growth analysis in the interface between oxide film and titanium alloy substrate using STEM and FEâ€SEM. Surface and Interface Analysis, 2012, 44, 1473-1478. | 0.8 | 4 |
| 128 | Transmission electron microscopy application for the phenomena of hydroxyapatite precipitation in microporeâ€structured Ti alloy. Surface and Interface Analysis, 2012, 44, 1492-1496. | 0.8 | 3 |
| 129 | Effects of Hafnium Addition on the Pitting Corrosion Behavior of Ti Alloys in Electrolyte Containing Chloride Ion. Corrosion Science and Technology, 2012, 11, 191-195. | 0.2 | 0 |
| 130 | Electrochemical Oxide Nanotube Formation on the Ti-35Ta-xHf Alloys for Dental Materials. Journal of Nanoscience and Nanotechnology, 2011, 11, 7428-7432. | 0.9 | 4 |
| 131 | Nanotubular Oxide Surface and Layer Formed on the Ti-35Ta-xZr Alloys for Biomaterials. Journal of Nanoscience and Nanotechnology, 2011, 11, 7433-7437. | 0.9 | 5 |
| 132 | Corrosion Behavior of Nanotubular Oxide on the Tiâ€“29Nbâ€“xZr Alloy. Journal of Nanoscience and Nanotechnology, 2011, 11, 1636-1639. | 0.9 | 3 |
| 133 | Morphology of hydroxyapatite coated nanotube surface of Tiâ€“35Nbâ€“xHf alloys for implant materials. Thin Solid Films, 2011, 520, 793-799. | 0.8 | 26 |
| 134 | Corrosion characteristics of anodized Tiâ€“(10â€“40wt%)Hf alloys for metallic biomaterials use. Journal of Materials Science: Materials in Medicine, 2011, 22, 41-50. | 1.7 | 24 |
| 135 | Fatigue Fracture of Implant System Using TiN and WC Coated Abutment Screw. Procedia Engineering, 2011, 10, 680-685. | 1.2 | 8 |
| 136 | Microscopic Analysis of Fractured Dental Implant Surface after Clinical UseR. Procedia Engineering, 2011, 10, 1955-1960. | 1.2 | 12 |
| 137 | Evaluation of Interfacial Bonding Strength between Laser Textured Metal Coping and Porcelain. Procedia Engineering, 2011, 10, 2286-2291. | 1.2 | 9 |
| 138 | Formation of Surface Roughness on the Ti-35Nb-xZr Alloy Using Femtosecond Laser for Biocompatibility. Procedia Engineering, 2011, 10, 2393-2398. | 1.2 | 15 |
| 139 | Nanotubular surface and morphology of Ti-binary and Ti-ternary alloys for biocompatibility. Thin Solid Films, 2011, 519, 4652-4657. | 0.8 | 45 |
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