

Sang won Kwak

List of Publications by Year in descending order

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35
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568
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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Physicochemical Properties of Epoxy Resin-Based and Bioceramic-Based Root Canal Sealers. <i>Bioinorganic Chemistry and Applications</i> , 2017, 2017, 1-8. | 4.1 | 108 |
| 2 | Mechanical Properties of Various Heat-treated Nickel-titanium Rotary Instruments. <i>Journal of Endodontics</i> , 2017, 43, 1872-1877. | 3.1 | 79 |
| 3 | Screw-in forces during instrumentation by various file systems. <i>Restorative Dentistry & Endodontics</i> , 2016, 41, 304. | 1.5 | 23 |
| 4 | Debris extrusion by glide-path establishing endodontic instruments with different geometries. <i>Journal of Dental Sciences</i> , 2016, 11, 136-140. | 2.5 | 23 |
| 5 | Effect of the Glide Path Establishment on the Torque Generation to the Files during Instrumentation: An In-Vitro Measurement. <i>Journal of Endodontics</i> , 2018, 44, 496-500. | 3.1 | 23 |
| 6 | Efficacy and retrievability of root canal filling using calcium silicate-based and epoxy resin-based root canal sealers with matched obturation techniques. <i>Australian Endodontic Journal</i> , 2019, 45, 337-345. | 1.5 | 23 |
| 7 | Stress Generation during Pecking Motion of Rotary Nickel-titanium Instruments with Different Pecking Depth. <i>Journal of Endodontics</i> , 2017, 43, 1688-1691. | 3.1 | 22 |
| 8 | Effects of Pitch Length and Heat Treatment on the Mechanical Properties of the Glide Path Preparation Instruments. <i>Journal of Endodontics</i> , 2016, 42, 788-792. | 3.1 | 20 |
| 9 | Effect from Rotational Speed on Torsional Resistance of the Nickel-titanium Instruments. <i>Journal of Endodontics</i> , 2017, 43, 443-446. | 3.1 | 20 |
| 10 | Comparison of Screw-In Forces during Movement of Endodontic Files with Different Geometries, Alloys, and Kinetics. <i>Materials</i> , 2019, 12, 1506. | 2.9 | 19 |
| 11 | Comparison of In-Vitro Torque Generation during Instrumentation with Adaptive Versus Continuous Movement. <i>Journal of Endodontics</i> , 2019, 45, 803-807. | 3.1 | 18 |
| 12 | Preference of undergraduate students after first experience on nickel-titanium endodontic instruments. <i>Restorative Dentistry & Endodontics</i> , 2016, 41, 176. | 1.5 | 17 |
| 13 | Mechanical Properties of Orifice Preflaring Nickel-titanium Rotary Instrument Heat Treated Using T-Wire Technology. <i>Journal of Endodontics</i> , 2018, 44, 1867-1871. | 3.1 | 16 |
| 14 | Torque Generation of the Endodontic Instruments: A Narrative Review. <i>Materials</i> , 2022, 15, 664. | 2.9 | 15 |
| 15 | The geometric effect of an off-centered cross-section on nickel-titanium rotary instruments: A finite element analysis study. <i>Journal of Dental Sciences</i> , 2017, 12, 173-178. | 2.5 | 13 |
| 16 | Mechanical Properties of Various Glide Path Preparation Nickel-titanium Rotary Instruments. <i>Journal of Endodontics</i> , 2019, 45, 199-204. | 3.1 | 13 |
| 17 | Ex-Vivo Comparison of Torsional Stress on Nickel-Titanium Instruments Activated by Continuous Rotation or Adaptive Motion. <i>Materials</i> , 2020, 13, 1900. | 2.9 | 13 |
| 18 | Vibrations Generated by Several Nickel-titanium Endodontic File Systems during Canal Shaping in an Ex-Vivo Model. <i>Journal of Endodontics</i> , 2017, 43, 1197-1200. | 3.1 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Effects of Root Canal Curvature and Mechanical Properties of Nickel-Titanium Files on Torque Generation. <i>Journal of Endodontics</i> , 2021, 47, 1501-1506. | 3.1 | 10 |
| 20 | Evaluation of dynamic and static torsional resistances of nickel-titanium rotary instruments. <i>Journal of Dental Sciences</i> , 2018, 13, 207-212. | 2.5 | 8 |
| 21 | Effective Establishment of Glide-Path to Reduce Torsional Stress during Nickel-Titanium Rotary Instrumentation. <i>Materials</i> , 2019, 12, 493. | 2.9 | 8 |
| 22 | The Effects of Torsional Preloading on the Torsional Resistance of Nickel-titanium Instruments. <i>Journal of Endodontics</i> , 2017, 43, 157-162. | 3.1 | 7 |
| 23 | Mechanical Properties of Glide Path Preparation Instruments with Different Pitch Lengths. <i>Journal of Endodontics</i> , 2018, 44, 864-868. | 3.1 | 7 |
| 24 | Torsional Resistance of Heat-Treated Nickel-Titanium Instruments under Different Temperature Conditions. <i>Materials</i> , 2021, 14, 5295. | 2.9 | 7 |
| 25 | Heat Treatment and Surface Treatment of Nickel-Titanium Endodontic Instruments. <i>Frontiers in Dental Medicine</i> , 2021, 2, . | 1.4 | 7 |
| 26 | Torsional Behavior of WaveOne Gold Endodontic File with the Dedicated Motor of the Original WaveOne File. <i>Materials</i> , 2018, 11, 1150. | 2.9 | 5 |
| 27 | Effect of Shaft Length on the Torsional Resistance of Rotary Nickel-Titanium Instruments. <i>Journal of Endodontics</i> , 2020, 46, 295-300. | 3.1 | 5 |
| 28 | Torsional Resistance of WaveOne Gold and Reciproc Blue according to the Loading Methods. <i>Journal of Endodontics</i> , 2021, 47, 88-93. | 3.1 | 5 |
| 29 | Characterisation of deformed or separated nickel-titanium retreatment instruments after clinical use - A multicentre experience. <i>Journal of Dentistry</i> , 2022, 117, 103939. | 4.1 | 5 |
| 30 | Microscopic Features of Fractured Fragment of Nickel-Titanium Endodontic Instruments by Two Different Modes of Torsional Loading. <i>Scanning</i> , 2018, 2018, 1-5. | 1.5 | 4 |
| 31 | Effect of surface treatment on the mechanical properties of nickel-titanium files with a similar cross-section. <i>Restorative Dentistry & Endodontics</i> , 2017, 42, 216. | 1.5 | 3 |
| 32 | Advancement of Mechanical Properties of Nickel-Titanium Rotary Endodontic Instruments by Spring Machining on the File Shaft. <i>Materials</i> , 2020, 13, 5246. | 2.9 | 3 |
| 33 | Buckling Resistance of Various Nickel-Titanium Glide Path Preparation Instruments in Dynamic or Static Mode. <i>Journal of Endodontics</i> , 2020, 46, 1125-1129. | 3.1 | 3 |
| 34 | Numeric Evaluation of Innovate Spring Machined Nickel-Titanium Rotary Instruments: A 3-dimensional Finite Element Study. <i>Journal of Endodontics</i> , 2021, 47, 303-308. | 3.1 | 2 |
| 35 | Comparison of the effects from coronal pre-flaring and glide-path preparation on torque generation during root canal shaping procedure. <i>Australian Endodontic Journal</i> , 2022, 48, 131-137. | 1.5 | 2 |