

Jae-Hoon Kim

List of Publications by Year in descending order

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489
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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Functional data analysis for assessing the fatigue life of construction equipment attachments. Journal of Mechanical Science and Technology, 2021, 35, 495-506. | 1.5 | 4 |
| 2 | Validation of cyanide copper electrodeposited layer on test coupons for anti-seizing and outgassing in Tokamak vacuum vessel. Fusion Engineering and Design, 2019, 146, 2598-2602. | 1.9 | 2 |
| 3 | Hold Time-Low Cycle Fatigue Behavior of Nickel Based Hastelloy X at Elevated Temperatures. International Journal of Precision Engineering and Manufacturing, 2019, 20, 147-157. | 2.2 | 11 |
| 4 | Development and Evaluation of Crack Band Model Implemented Progressive Failure Analysis Method for Notched Composite Laminate. Applied Sciences (Switzerland), 2019, 9, 5572. | 2.5 | 10 |
| 5 | Study on Fatigue Life Prediction of Vibro-hammer Structure using Field Data. Transactions of the Korean Society of Mechanical Engineers, A, 2019, 43, 811-820. | 0.2 | 3 |
| 6 | Fatigue crack growth characteristics for powder nickel based metallurgical superalloys at elevated temperatures. Materialwissenschaft Und Werkstofftechnik, 2018, 49, 522-529. | 0.9 | 1 |
| 7 | Influence of the Carrier Pinhole Position Errors on the Load Sharing of a Planetary Gear Train. International Journal of Precision Engineering and Manufacturing, 2018, 19, 537-543. | 2.2 | 16 |
| 8 | Development of an evaluation method for nuclear fuel debris filtering performance. Nuclear Engineering and Technology, 2018, 50, 738-744. | 2.3 | 5 |
| 9 | Microstructure Evaluation and Low Cycle Fatigue Damage due to Degradation of Ni-based Superalloy. Journal of Korean Institute of Metals and Materials, 2018, 56, 561-569. | 1.0 | 3 |
| 10 | Wear Property of Nitrided SACM645 Material for Control Valve. Transactions of the Korean Society of Mechanical Engineers, A, 2018, 42, 429-435. | 0.2 | 0 |
| 11 | Low Cycle Fatigue Life Evaluation for Cobalt-Based Superalloy FSX-414. Transactions of the Korean Society of Mechanical Engineers, A, 2018, 42, 785-791. | 0.2 | 0 |
| 12 | Influence of a clutch control current profile to improve shift quality for a wheel loader automatic transmission. International Journal of Precision Engineering and Manufacturing, 2017, 18, 211-219. | 2.2 | 13 |
| 13 | An evaluation of the fatigue crack propagation rate for powder metallurgical nickel-based superalloys using the DCPD method at elevated temperatures. International Journal of Fatigue, 2017, 101, 27-35. | 5.7 | 16 |
| 14 | An experimental study of the fracture behavior of particulate reinforced composites using digital image correlation. Materialwissenschaft Und Werkstofftechnik, 2017, 48, 349-357. | 0.9 | 3 |
| 15 | Development of Impulse Pressure System for a Large Size Butterfly Valve. , 2017, , . | | 0 |
| 16 | Fracture behavior of C/SiC composites at elevated temperature. Journal of Mechanical Science and Technology, 2017, 31, 3647-3651. | 1.5 | 9 |
| 17 | An adaptive importance sampling method with a Kriging metamodel to calculate failure probability. Journal of Mechanical Science and Technology, 2017, 31, 5769-5778. | 1.5 | 10 |
| 18 | A Study on Verifying the Reliability of Creep Life Assessment Using Hardness Method for STS304H. Journal of the Korean Society for Precision Engineering, 2017, 34, 411-415. | 0.2 | 0 |

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|----|--|-----|-----------|
| 19 | Fatigue crack growth characteristics of austenitic stainless steel for cold-stretched pressure vessels at cryogenic temperatures. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2016, 47, 444-451. | 0.9 | 1 |
| 20 | An experimental study on the effect of carrier pinhole position errors on planet gear load sharing. <i>International Journal of Precision Engineering and Manufacturing</i> , 2016, 17, 1305-1312. | 2.2 | 25 |
| 21 | Crack Resistance Behavior Using Digital Image Correlation and Crack Tip Opening Angle on Particulate Reinforced Composite. <i>Transactions of the Korean Society of Mechanical Engineers, A</i> , 2016, 40, 1021-1026. | 0.2 | 2 |
| 22 | Wedge Splitting Test and Fracture Energy on Particulate Reinforced Composites. <i>Transactions of the Korean Society of Mechanical Engineers, A</i> , 2016, 40, 253-258. | 0.2 | 3 |
| 23 | Study for Fracture in the Last Stage Blade of a Low Pressure Turbine. <i>Transactions of the Korean Society of Mechanical Engineers, A</i> , 2016, 40, 423-428. | 0.2 | 2 |
| 24 | Tensile and Fatigue Behavior of ASS304 for Cold Stretching Pressure Vessels at Cryogenic Temperature. <i>Transactions of the Korean Society of Mechanical Engineers, A</i> , 2016, 40, 429-435. | 0.2 | 2 |
| 25 | Development of Compressive Failure Strength for Composite Laminate Using Regression Analysis Method. <i>Transactions of the Korean Society of Mechanical Engineers, A</i> , 2016, 40, 907-911. | 0.2 | 1 |
| 26 | Wear Characteristics of Carburized SCM415 Steel for Control Valve. <i>Transactions of the Korean Society of Mechanical Engineers, A</i> , 2016, 40, 873-878. | 0.2 | 1 |
| 27 | Fracture Characteristics of C/SiC Composites for Rocket Nozzle at Elevated Temperature. <i>Transactions of the Korean Society of Mechanical Engineers, A</i> , 2016, 40, 927-933. | 0.2 | 0 |
| 28 | Crack propagation characteristics of particulate reinforced composites using digital image correlation. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2015, 46, 387-393. | 0.9 | 6 |
| 29 | Temperature effect of friction and wear characteristics for solid lubricating graphite. <i>Modern Physics Letters B</i> , 2015, 29, 1540018. | 1.9 | 3 |
| 30 | Estimation of Mechanical Behavior for Particulate Reinforced Composites at Different Temperatures. <i>Advanced Materials Research</i> , 2015, 1110, 32-35. | 0.3 | 1 |
| 31 | Effect of Nitriding on Fatigue Characteristics of Cr-Mo Alloy Steel. <i>Transactions of the Korean Society of Mechanical Engineers, A</i> , 2015, 39, 597-602. | 0.2 | 3 |
| 32 | Wear Characteristics of Cylinder-Liner Materials for Diesel Engine at Elevated Temperature. <i>Transactions of the Korean Society of Mechanical Engineers, A</i> , 2015, 39, 1131-1136. | 0.2 | 1 |
| 33 | Fracture Behavior of Graphite Material at Elevated Temperatures Considering Oxidation Condition. <i>Transactions of the Korean Society of Mechanical Engineers, A</i> , 2015, 39, 1091-1097. | 0.2 | 0 |
| 34 | Evaluation of Fatigue Life of Welded Joint of Gear Box-Shank in Vibro Ripper Using P-S-N Curve. <i>Transactions of the Korean Society of Mechanical Engineers, A</i> , 2015, 39, 1207-1212. | 0.2 | 2 |
| 35 | Development of the Accelerated Life Test Method & Life Test Equipment for the Counterweight of the Construction Machinery. <i>Transactions of the Korean Society of Mechanical Engineers, A</i> , 2015, 39, 1275-1280. | 0.2 | 0 |
| 36 | Fracture toughness and failure assessment for particulate reinforced composites considering viscoelasticity. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2014, 45, 286-291. | 0.9 | 3 |

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|----|---|-----|-----------|
| 37 | Design optimization of slender elastic beam with initial twist using genetic algorithms and finite element analysis. Journal of Mechanical Science and Technology, 2014, 28, 1811-1818. | 1.5 | 1 |
| 38 | Effects of Bearing Characteristic on the Gear Load Distribution in the Slewing Reducer for Excavator. Journal of the Korean Society of Manufacturing Process Engineers, 2014, 13, 8-14. | 0.2 | 4 |
| 39 | Estimation of Fatigue Crack Growth using Gamma Process Model. Transactions of the Korean Society of Mechanical Engineers, A, 2014, 38, 1245-1256. | 0.2 | 1 |
| 40 | Wear Properties of Nuclear Graphite IG-110 at Elevated Temperature. Transactions of the Korean Society of Mechanical Engineers, A, 2014, 38, 469-474. | 0.2 | 1 |
| 41 | Compressive Fracture Behavior of ATJ Graphite for Rocket Nozzle. Transactions of the Korean Society of Mechanical Engineers, A, 2014, 38, 1435-1440. | 0.2 | 0 |
| 42 | Estimation of Master Curves of Relaxation Modulus and Tensile Properties for Solid Propellant. Advanced Materials Research, 2013, 871, 247-252. | 0.3 | 1 |
| 43 | Effect of Temperature and Thickness on Fracture Toughness of Solid Propellant. Transactions of the Korean Society of Mechanical Engineers, A, 2013, 37, 1355-1360. | 0.2 | 6 |
| 44 | Study of Hypervelocity Penetration Characteristics of Segmented Tungsten Penetrator. Transactions of the Korean Society of Mechanical Engineers, A, 2013, 37, 953-960. | 0.2 | 3 |
| 45 | Study on Penetration Characteristics of Tungsten Cylindrical Penetrator. Transactions of the Korean Society of Mechanical Engineers, A, 2013, 37, 1083-1091. | 0.2 | 4 |
| 46 | The Stockpile Reliability of Propelling Charge for Performance and Storage Safety using Stochastic Process. Journal of the Korean Society for Quality Management, 2013, 41, 135-148. | 0.1 | 3 |
| 47 | Analysis of Hypervelocity Impact Fracture Behavior of Multiple Bumper Steel Plates. Transactions of the Korean Society of Mechanical Engineers, A, 2013, 37, 761-768. | 0.2 | 2 |
| 48 | Sliding Wear Properties of Graphite as Sealing Materials for Cut off Hot Gas. Transactions of the Korean Society of Mechanical Engineers, A, 2013, 37, 1349-1354. | 0.2 | 0 |
| 49 | MECHANICAL CHARACTERISTICS OF 9% Ni STEEL WELDED JOINT FOR LNG STORAGE TANK AT CRYOGENIC. International Journal of Modern Physics Conference Series, 2012, 06, 355-360. | 0.7 | 18 |
| 50 | DISBOND DETECTION TECHNIQUE FOR LINER/PROPELLANT INTERFACE USING ULTRASONIC RESONANCE AND LAMB WAVES. International Journal of Modern Physics Conference Series, 2012, 06, 49-54. | 0.7 | 0 |
| 51 | FATIGUE CHARACTERISTICS OF LASER WELDED ZIRCALOY THIN SHEET. International Journal of Modern Physics Conference Series, 2012, 06, 367-372. | 0.7 | 5 |
| 52 | EXPERIMENTAL VERIFICATION OF COUPLED STIFFNESS MATRIX IN MULTILAYER COMPOSITE STRUCTURE WITH COMPLEX CURVATURE. International Journal of Modern Physics Conference Series, 2012, 06, 634-639. | 0.7 | 0 |
| 53 | PRESSURE-INDUCED CRACK PROPAGATION BEHAVIOR IN A PARTICLE-REINFORCED COMPOSITE. International Journal of Modern Physics Conference Series, 2012, 06, 178-183. | 0.7 | 4 |
| 54 | LOW CYCLE FATIGUE BEHAVIOR AND LIFE PREDICTION OF A CAST COBALT-BASED SUPERALLOY. International Journal of Modern Physics Conference Series, 2012, 06, 251-256. | 0.7 | 0 |

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|----|--|-----|-----------|
| 55 | Nonlinear modeling and coupled characteristic of composite structure with complex curvature. International Journal of Precision Engineering and Manufacturing, 2012, 13, 2027-2033. | 2.2 | 4 |
| 56 | An experimental study and finite element analysis for finding leakage path in high pressure hose assembly. International Journal of Precision Engineering and Manufacturing, 2011, 12, 537-542. | 2.2 | 19 |
| 57 | Astudy on life prediction of low cycle fatigue in superalloy for gas turbine blades. Procedia Engineering, 2011, 10, 1997-2002. | 1.2 | 4 |
| 58 | Effects of impurity segregation to grain boundary on intergranular cracking in 2.25Cr-1W steel. Procedia Engineering, 2011, 10, 2484-2489. | 1.2 | 4 |
| 59 | Correlation of the microstructural degradation and mechanical strength of Ni-based superalloy after thermal exposure. Procedia Engineering, 2011, 10, 2490-2495. | 1.2 | 5 |
| 60 | Mechanical Properties and Changes in Microstructure for IN738LC with Thermal Exposure. Transactions of the Korean Society of Mechanical Engineers, A, 2011, 35, 1155-1160. | 0.2 | 2 |
| 61 | Low-Cycle Fatigue Life Prediction in GTD-111 Superalloy at Elevated Temperatures. Transactions of the Korean Society of Mechanical Engineers, A, 2011, 35, 753-758. | 0.2 | 2 |
| 62 | Process characteristics of pretreatment system under H2S circumstance for bio-gas micro gas turbine power generation. Korean Journal of Chemical Engineering, 2010, 27, 1072-1075. | 2.7 | 0 |
| 63 | Evaluation for dielectric property of heat transfer fluids using newly designed cylindrical capacitive-conductive system. , 2010, , . | | 0 |
| 64 | Estimation for degradation characteristics of cellulose paper used in oil-filled transformer and analysis for relationship using statistical treatment. , 2010, , . | | 2 |
| 65 | A STRUCTURAL ANALYSIS AND TOPOLOGY OPTIMIZATION ON CYLINDER BLOCK OF HEAVY DUTY DIESEL ENGIN. International Journal of Modern Physics B, 2010, 24, 2676-2681. | 2.0 | 3 |
| 66 | A STUDY ON FRACTURE BEHAVIORS OF CERAMIC USING SHOCK COMPRESSIVE WAVE. International Journal of Modern Physics B, 2010, 24, 2549-2554. | 2.0 | 0 |
| 67 | Life Prediction for High Pressure Hose of Power Steering System by Impulse Pressure Test. Transactions of the Korean Society of Mechanical Engineers, A, 2010, 34, 91-96. | 0.2 | 5 |
| 68 | Low-Cycle Fatigue in Ni-Base Superalloy IN738LC at Elevated Temperature. Transactions of the Korean Society of Mechanical Engineers, A, 2010, 34, 1403-1409. | 0.2 | 8 |
| 69 | A Study of Life Characteristic of Hydraulic Hose Assembly by Adopting Complex Accelerated Model with Acceleration Factors of Pressure and Temperature. Transactions of the Korean Society of Mechanical Engineers, A, 2010, 34, 1697-1703. | 0.2 | 3 |
| 70 | System Design and Performance Test of Hydraulic Intensifier. Transactions of the Korean Society of Mechanical Engineers, A, 2010, 34, 947-952. | 0.2 | 4 |
| 71 | Residual stress evaluation and fatigue life prediction in the welded joint by x-ray diffraction. , 2009, , . | | 0 |
| 72 | A residual stress analysis program using a Matlab GUI on an autofrettaged compound cylinder. Journal of Mechanical Science and Technology, 2009, 23, 2913-2920. | 1.5 | 9 |

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|----|--|-----|-----------|
| 73 | Autofrettage process analysis of a compound cylinder based on the elastic-perfectly plastic and strain hardening stress-strain curve. Journal of Mechanical Science and Technology, 2009, 23, 3153-3160. | 1.5 | 20 |
| 74 | Fatigue crack growth properties of the base metal and weld metal of a 9% Ni steel for LNG storage tank. Proceedings of SPIE, 2009, , . | 0.8 | 1 |
| 75 | The study on leakage reappearance test of high pressure hose for power steering system. , 2009, , . | | 0 |
| 76 | A Study on Fracture Characteristic of Ceramic Dome Using Shock Tube. Transactions of the Korean Society of Mechanical Engineers, A, 2009, 33, 1274-1278. | 0.2 | 1 |
| 77 | A Study on the Fatigue Life of Autofrettaged Compound Cylinder. Transactions of the Korean Society of Mechanical Engineers, A, 2009, 33, 296-309. | 0.2 | 0 |
| 78 | Stress rupture characteristics of Inconel 718 alloy for ramjet combustor. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 483-484, 262-265. | 5.6 | 46 |
| 79 | Machining effect of the autofrettaged compound cylinder under varying overstrain levels. Journal of Materials Processing Technology, 2008, 201, 491-496. | 6.3 | 9 |
| 80 | IMPACT SIMULATION AND ANALYSIS OF A GLASS CERAMIC SPHERICAL DOME. International Journal of Modern Physics B, 2008, 22, 1483-1488. | 2.0 | 1 |
| 81 | A STUDY ON THE FATIGUE ANALYSIS OF HEAVY DUTY DIESEL ENGINE. Modern Physics Letters B, 2008, 22, 929-934. | 1.9 | 1 |
| 82 | AN EVALUATION OF FRACTURE TOUGHNESS FOR CERAMICS. , 2008, , . | | 0 |
| 83 | FATIGUE LIFE OF COMPOUND CYLINDER COMBINING AUTOFRETTAGE AND SHRINK FIT DUE TO THE FIRING. , 2008, , . | | 1 |
| 84 | Fatigue Test and Simulation on the Steel Welded L-Shaped Frame. Transactions of the Korean Society of Mechanical Engineers, A, 2008, 32, 63-69. | 0.2 | 2 |
| 85 | Structural Analysis on the Heavy Duty Diesel Engine and Optimization for Bearing Cap. Transactions of the Korean Society of Mechanical Engineers, A, 2008, 32, 402-410. | 0.2 | 4 |
| 86 | Autofrettage Analysis of Compound Cylinder with Power Function Strain Hardening Model. Transactions of the Korean Society of Mechanical Engineers, A, 2008, 32, 488-495. | 0.2 | 1 |
| 87 | Bauschinger Effect™ Influence on the Componud Cylinder Containing an Autofrettaged Layer. Key Engineering Materials, 2007, 345-346, 149-152. | 0.4 | 4 |
| 88 | Machining Analysis of the Autofrettaged Compound Cylinder. Transactions of the Korean Society of Mechanical Engineers, A, 2007, 31, 800-807. | 0.2 | 5 |
| 89 | A STUDY ON THE THERMAL VIBRATION ANALYSIS OF THE GRAPHITE DISK UNDER THERMAL SHOCK. International Journal of Modern Physics B, 2006, 20, 4105-4110. | 2.0 | 3 |
| 90 | Evaluation of static and dynamic fracture toughness using apparent fracture toughness of notched specimen. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 387-389, 381-384. | 5.6 | 32 |

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| 91 | Evaluation of thermal shock strengths for graphite materials using a laser irradiation method. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 387-389, 385-389. | 5.6 | 8 |
| 92 | Evaluation of fatigue characteristics for adhesively-bonded composite stepped lap joint. Composite Structures, 2004, 66, 69-75. | 5.8 | 47 |
| 93 | Free vibrations of laminated composite cylindrical shells with an interior rectangular plate. Journal of Sound and Vibration, 2003, 265, 795-817. | 3.9 | 19 |
| 94 | A study on the free vibration of the joined cylindrical-spherical shell structures. Computers and Structures, 2002, 80, 2405-2414. | 4.4 | 97 |
| 95 | Low Cycle Fatigue Life Prediction of Structural Steels(Fatigue 1). Proceedings of the Asian Pacific Conference on Fracture and Strength and International Conference on Advanced Technology in Experimental Mechanics, 2001, 1.01.203, 378-383. | 0.0 | 0 |
| 96 | Evaluation of durability and strength of stitched foam-cored sandwich structures. Composite Structures, 1999, 47, 543-550. | 5.8 | 71 |
| 97 | Effects of Thermal Exposure on Microstructure and Mechanical Properties of Ni Based Superalloy GTD111. Advanced Materials Research, 0, 275, 31-34. | 0.3 | 2 |
| 98 | Low Cycle Fatigue Behavior of Ni-Base Superalloy IN738LC at Elevated Temperature. Advanced Materials Research, 0, 275, 59-62. | 0.3 | 0 |
| 99 | Mathematical Model to Evaluate Wear Rate of Graphite as Sealing Materials. Advanced Materials Research, 0, 871, 200-205. | 0.3 | 1 |