# Yoshinbou Shimamura

## List of Publications by Citations



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|---|---|---|---|
| 239 papers | 2,273 citations | 25 h-index | 42 g-index |
| 253 ext. papers | 2,588 ext. citations | 3 avg, IF | 5.06 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 239 | Measurement of orthotropic electric conductance of CFRP laminates and analysis of the effect on delamination monitoring with an electric resistance change method. *Composites Science and Technology*, **2002**, 62, 619-628 | 8.6 | 176 |
| 238 | Anisotropic carbon nanotube papers fabricated from multiwalled carbon nanotube webs. *Carbon*, **2011**, 49, 2437-2443 | 10.4 | 118 |
| 237 | Mechanical properties of aligned multi-walled carbon nanotube/epoxy composites processed using a hot-melt prepreg method. *Composites Science and Technology*, **2011**, 71, 1826-1833 | 8.6 | 101 |
| 236 | Delamination monitoring of graphite/epoxy laminated composite plate of electric resistance change method. *Composites Science and Technology*, **2002**, 62, 1151-1160 | 8.6 | 99 |
| 235 | Matrix crack detection of CFRP using electrical resistance change with integrated surface probes. *Composites Science and Technology*, **2006**, 66, 1539-1545 | 8.6 | 85 |
| 234 | Chemical recycling of carbon fiber reinforced plastic using supercritical methanol. *Journal of Supercritical Fluids*, **2014**, 91, 68-76 | 4.2 | 76 |
| 233 | Electrical resistance change method for monitoring delaminations of CFRP laminates: effect of spacing between electrodes. *Composites Science and Technology*, **2005**, 65, 37-46 | 8.6 | 76 |
| 232 | Negative axial thermal expansion coefficient of carbon nanotubes: Experimental determination based on measurements of coefficient of thermal expansion for aligned carbon nanotube reinforced epoxy composites. *Carbon*, **2015**, 95, 904-909 | 10.4 | 70 |
| 231 | High performance estimations of delamination of graphite/epoxy laminates with electric resistance change method. *Composites Science and Technology*, **2003**, 63, 1911-1920 | 8.6 | 60 |
| 230 | Potential use of CNTs for production of zero thermal expansion coefficient composite materials: An experimental evaluation of axial thermal expansion coefficient of CNTs using a combination of thermal expansion and uniaxial tensile tests. *Composites Part A: Applied Science and Manufacturing*, **2017**, 95, 152-160 | 8.4 | 55 |
| 229 | Effects of CNT diameter on mechanical properties of aligned CNT sheets and composites. *Composites Part A: Applied Science and Manufacturing*, **2015**, 76, 289-298 | 8.4 | 50 |
| 228 | Recycling of carbon fiber reinforced plastic containing amine-cured epoxy resin using supercritical and subcritical fluids. *Journal of Supercritical Fluids*, **2017**, 119, 44-51 | 4.2 | 47 |
| 227 | Electrical Resistance Change under Strain of CNF/Flexible-Epoxy Composite. *Advanced Composite Materials*, **2010**, 19, 123-138 | 2.8 | 45 |
| 226 | Improving mechanical properties of high volume fraction aligned multi-walled carbon nanotube/epoxy composites by stretching and pressing. *Composites Part B: Engineering*, **2016**, 85, 15-23 | 10 | 44 |
| 225 | Tensile mechanical properties of carbon nanotube/epoxy composite fabricated by pultrusion of carbon nanotube spun yarn preform. *Composites Part A: Applied Science and Manufacturing*, **2014**, 62, 32-38 | 8.4 | 42 |
| 224 | Effects of stretching on mechanical properties of aligned multi-walled carbon nanotube/epoxy composites. *Composites Part A: Applied Science and Manufacturing*, **2014**, 64, 194-202 | 8.4 | 39 |
| 223 | A constitutive model of particulate-reinforced composites taking account of particle size effects and damage evolution. *Composites Part A: Applied Science and Manufacturing*, **2010**, 41, 313-321 | 8.4 | 38 |

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| 222 | Multi-prove electric potential change method for delamination monitoring of graphite/epoxy composite plates using normalized response surfaces. *Composites Science and Technology*, **2004**, 64, 749-758 | 8.6 | 38 |
| 221 | Fabrication of a PSZ-Ti functionally graded material by spark plasma sintering and its fracture toughness. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2017**, 682, 656-663 | 5.3 | 31 |
| 220 | Experimental and numerical investigation of stress corrosion cracking of sensitized type 304 stainless steel under high-temperature and high-purity water. *Corrosion Science*, **2015**, 97, 139-149 | 6.8 | 28 |
| 219 | Influence of microstructure on fracture toughness distribution in ceramic□metal functionally graded materials. *Engineering Fracture Mechanics*, **2008**, 75, 4529-4541 | 4.2 | 28 |
| 218 | Fabrication of alumina-titanium composites by spark plasma sintering and their mechanical properties. *Journal of Alloys and Compounds*, **2018**, 744, 759-768 | 5.7 | 27 |
| 217 | Wireless strain monitoring using electrical capacitance change of tire: part I□with oscillating circuit. *Smart Materials and Structures*, **2003**, 12, 403-409 | 3.4 | 26 |
| 216 | Crystallography of intergranular corrosion in sensitized austenitic stainless steel. *Materials Characterization*, **2018**, 144, 219-226 | 3.9 | 25 |
| 215 | Fatigue properties of carburized alloy steel in very high cycle regime under torsional loading. *International Journal of Fatigue*, **2014**, 60, 57-62 | 5 | 25 |
| 214 | Stacking Sequence Optimizations Using Fractal Branch and Bound Method for Laminated Composites. *JSME International Journal Series A-Solid Mechanics and Material Engineering*, **2001**, 44, 490-498 | | 23 |
| 213 | Three dimensional orientation angle distribution counting and calculation for the mechanical properties of aligned carbon nanotube/epoxy composites. *Composites Part A: Applied Science and Manufacturing*, **2014**, 65, 1-9 | 8.4 | 22 |
| 212 | A micro-mechanics model for composites reinforced by regularly distributed particles with an inhomogeneous interphase. *Computational Materials Science*, **2009**, 46, 507-515 | 3.2 | 22 |
| 211 | Effects with a matrix crack on monitoring by electrical resistance method. *Advanced Composite Materials*, **2004**, 13, 107-120 | 2.8 | 21 |
| 210 | Fabrication of PSZ□i composites by spark plasma sintering and their mechanical properties. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2015**, 621, 166-172 | 5.3 | 20 |
| 209 | Development of large-movements and high-force electrothermal bimorph actuators based on aligned carbon nanotube reinforced epoxy composites. *Sensors and Actuators A: Physical*, **2017**, 267, 455-463 | 3.9 | 18 |
| 208 | Fracture toughness distribution of alumina-titanium functionally graded materials fabricated by spark plasma sintering. *Journal of Alloys and Compounds*, **2018**, 766, 1-11 | 5.7 | 18 |
| 207 | Nanoscopic observations for evaluating the failure process of aligned multi-walled carbon nanotube/epoxy composites. *Composites Science and Technology*, **2013**, 88, 48-56 | 8.6 | 18 |
| 206 | Monte Carlo simulation of stress corrosion cracking on a smooth surface of sensitized stainless steel type 304. *Corrosion Science*, **2009**, 51, 2208-2217 | 6.8 | 18 |
| 205 | On the □J -integral to characterize elastic-plastic fatigue crack growth. *Engineering Fracture Mechanics*, **2017**, 176, 300-307 | 4.2 | 17 |

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| 204 | Crystallographic and mechanical investigation of intergranular stress corrosion crack initiation in austenitic stainless steel. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2019**, 751, 160-170 | 5.3 | 17 |
| 203 | Mechanical property enhancement of aligned multi-walled carbon nanotube sheets and composites through press-drawing process. *Advanced Composite Materials*, **2016**, 25, 73-86 | 2.8 | 17 |
| 202 | Densification process in fabrication of PSZ-Ti composites by spark plasma sintering technique. *Materials Characterization*, **2017**, 132, 230-238 | 3.9 | 17 |
| 201 | Fabrication and Strength Evaluation of Biocompatible Ceramic-Metal Composite Materials. *Journal of Solid Mechanics and Materials Engineering*, **2010**, 4, 1699-1710 | | 16 |
| 200 | Mechanical properties of cross-ply and quasi-isotropic composite laminates processed using aligned multi-walled carbon nanotube/epoxy prepreg. *Advanced Composite Materials*, **2017**, 26, 157-168 | 2.8 | 15 |
| 199 | Stress transfer efficiency in aligned multi-wall carbon nanotubes sheet/epoxy composites. *Composites Part A: Applied Science and Manufacturing*, **2014**, 67, 16-21 | 8.4 | 15 |
| 198 | Fatigue Properties of Spot Welded and Spot Weld-Bonded Joints of Steel Sheet. *Procedia Engineering*, **2011**, 10, 1075-1080 | | 15 |
| 197 | Passive wireless strain monitoring of a tire using capacitance and electromagnetic induction change. *Advanced Composite Materials*, **2005**, 14, 147-164 | 2.8 | 15 |
| 196 | Evaluation of interfacial shear stress between multi-walled carbon nanotubes and epoxy based on strain distribution measurement using Raman spectroscopy. *Composites Part A: Applied Science and Manufacturing*, **2016**, 85, 192-198 | 8.4 | 14 |
| 195 | Impact behavior and energy transfer efficiency of pulse-driven bent-beam electrothermal actuators. *Journal of Microelectromechanical Systems*, **2006**, 15, 101-110 | 2.5 | 13 |
| 194 | Influence of Strength Level of Steels on Fatigue Strength and Fatigue Fracture Mechanism of Spot Welded Joints. *Zairyo/Journal of the Society of Materials Science, Japan*, **2006**, 55, 1095-1101 | 0.1 | 13 |
| 193 | Monitoring delamination of laminated CFRP using the electric potential change method: Application of normalization method and the effect of the shape of a delamination crack. *Advanced Composite Materials*, **2004**, 13, 311-324 | 2.8 | 13 |
| 192 | Fatigue Behavior of Unidirectional Jute Spun Yarn Reinforced PLA. *Advanced Composite Materials*, **2012**, 21, 1-10 | 2.8 | 12 |
| 191 | Wireless strain monitoring using electrical capacitance change of tire: part IIPassive. *Smart Materials and Structures*, **2003**, 12, 410-416 | 3.4 | 12 |
| 190 | Monitoring delamination of laminated CFRP using the electric potential change method (two-stage monitoring for robust estimation). *Advanced Composite Materials*, **2005**, 14, 83-97 | 2.8 | 12 |
| 189 | Evaluation of Orthotropic Electrical Resistance for Delamination Detection of CFRP by Electrical Potential Method.. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **1998**, 64, 1654-1659 | | 12 |
| 188 | Key factors limiting carbon nanotube strength: Structural characterization and mechanical properties of multi-walled carbon nanotubes. *Mechanical Engineering Journal*, **2017**, 4, 17-00029-17-00029 | 0.5 | 11 |
| 187 | Detection of Matrix Cracking of CFRP Using Electrical Resistance Changes. *Key Engineering Materials*, **2005**, 297-300, 2096-2101 | 0.4 | 11 |

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| 186 | Strain-based approach to investigate intergranular stress corrosion crack initiation on a smooth surface of austenitic stainless steel. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2019**, 756, 518-527 | 5.3 | 10 |
| 185 | Simulation of water impregnation through vertically aligned CNT forests using a molecular dynamics method. *Scientific Reports*, **2016**, 6, 32262 | 4.9 | 10 |
| 184 | Fatigue strength and fatigue fracture mechanism of three-sheet spot weld-bonded joints under tensile□hear loading. *International Journal of Fatigue*, **2016**, 87, 424-434 | 5 | 10 |
| 183 | Multi-physics simulation of oxygen diffusion in PSZ□i composites during spark plasma sintering process. *Computational Materials Science*, **2014**, 95, 29-34 | 3.2 | 10 |
| 182 | Ultrasonic dispersion of SiO2 particles in glassy epoxy resin. *Journal of Composite Materials*, **2012**, 46, 1159-1168 | 2.7 | 10 |
| 181 | Detectability of Bearing Failure of Composite Bolted Joints by Electric Resistance Change Method. *Key Engineering Materials*, **2006**, 321-323, 957-962 | 0.4 | 10 |
| 180 | Patch-type large strain sensor using elastomeric composite filled with carbon nanofibers. *International Journal of Aeronautical and Space Sciences*, **2013**, 14, 146-151 | 1.2 | 10 |
| 179 | Infrared-driven poly(vinylidene difluoride)/tungsten oxide pyroelectric generator for non-contact energy harvesting. *Composites Science and Technology*, **2019**, 178, 26-32 | 8.6 | 9 |
| 178 | Stacking sequence optimizations using modified global response surface in lamination parameters. *Advanced Composite Materials*, **2003**, 12, 35-55 | 2.8 | 9 |
| 177 | Crystallographic Evaluation of Susceptibility to Intergranular Corrosion in Austenitic Stainless Steel with Various Degrees of Sensitization. *Materials*, **2020**, 13, | 3.5 | 8 |
| 176 | FEM Analysis Study on Fatigue Strength and Fracture Morphology in Spot Welded Joints of Structural Steels. *Zairyo/Journal of the Society of Materials Science, Japan*, **2009**, 58, 627-634 | 0.1 | 8 |
| 175 | Electrical impedance change method for moisture absorption monitoring of CFRP. *Advanced Composite Materials*, **2004**, 13, 297-310 | 2.8 | 8 |
| 174 | Application of Electric Resistance Change Method to Damage Detection of CFRP Bolted Joints. *Key Engineering Materials*, **2005**, 297-300, 653-658 | 0.4 | 8 |
| 173 | Cyclic Behavior of Electrical Resistance Type Low Stiffness, Large Strain Sensor by Using Carbon Nanofiber/Flexible Epoxy Composite. *Key Engineering Materials*, **2011**, 462-463, 1200-1205 | 0.4 | 7 |
| 172 | Analysis of the Effect of the Configuration of the Delamination Crack on Delamination Monitoring with Electric Resistance Change Method. *Journal of the Japan Society for Composite Materials*, **2003**, 29, 113-119 | 0.1 | 7 |
| 171 | A micromechanics-based incremental damage theory of bulk metallic glass matrix composites. *International Journal of Damage Mechanics*, **2016**, 25, 358-376 | 3 | 6 |
| 170 | Property improvement of CNT spun yarns and their composites through pressing, stretching and tensioning. *Advanced Composite Materials*, **2019**, 28, 507-524 | 2.8 | 6 |
| 169 | Fracture Mechanics Study on Stress Corrosion Cracking Behavior under Corrosive Environment. *Journal of Solid Mechanics and Materials Engineering*, **2013**, 7, 341-356 | | 6 |

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| 168 | Statistical Damage Detection of Laminated CFRP Beam Using Electrical Resistance Change Method. *Key Engineering Materials*, **2007**, 353-358, 1330-1333 | 0.4 | 6 |
| 167 | Development of the Two-Step Delamination Identification Method by Resonant and Anti-Resonant Frequency Changes. *Key Engineering Materials*, **2004**, 270-273, 1852-1858 | 0.4 | 6 |
| 166 | Nanostructural Control of Carbon Nanofiller/ Epoxy Composite by Using an Alternating Electric Field. *Zairyo/Journal of the Society of Materials Science, Japan*, **2007**, 56, 393-398 | 0.1 | 6 |
| 165 | Study on the mechanical and electrical properties of twisted CNT yarns fabricated from CNTs with various diameters. *Carbon*, **2021**, 176, 400-410 | 10.4 | 6 |
| 164 | Characterization of stress corrosion crack growth in austenitic stainless steel under variable loading in small- and large-scale yielding conditions. *Engineering Fracture Mechanics*, **2019**, 205, 94-107 | 4.2 | 6 |
| 163 | Fabrication of alumina-PSZ composites via spark plasma sintering and their mechanical properties. *Journal of the Mechanical Behavior of Biomedical Materials*, **2019**, 91, 45-53 | 4.1 | 6 |
| 162 | An analytical model to study the effective stiffness of the composites with periodically distributed sphere particles. *Composite Structures*, **2010**, 92, 216-222 | 5.3 | 5 |
| 161 | Development of a Two-Step Delamination Identification Method Using Resonant and Anti-Resonant Frequency Changes.. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **2003**, 69, 231-238 | | 5 |
| 160 | Identifying Delamination in Cross-ply and Quasi-isotropic Beams of CFRP by a Standardized Electrical Resistance Method. *Polymers and Polymer Composites*, **2004**, 12, 75-85 | 0.8 | 5 |
| 159 | An unsupervised statistical damage detection method for structural health monitoring (applied to detection of delamination of a composite beam). *Smart Materials and Structures*, **2004**, 13, N80-N85 | 3.4 | 5 |
| 158 | Luminance change method for strain and matrix cracking monitoring of glass/epoxy composites with EL backlight. *Composites Science and Technology*, **2003**, 63, 273-281 | 8.6 | 5 |
| 157 | Unsupervised Structural Damage Diagnosis Based on Change of Response Surface Using Statistical Tool. *JSME International Journal Series A-Solid Mechanics and Material Engineering*, **2004**, 47, 1-7 | | 5 |
| 156 | Tensile Strength of Carbon Fibers Reclaimed from CF/Epoxy Composite Using Subcritical Water and Supercritical Methanol. *Zairyo/Journal of the Society of Materials Science, Japan*, **2010**, 59, 964-969 | 0.1 | 5 |
| 155 | Influence of Strength Level of Steels on Fatigue Strength and Fatigue Fracture Mechanism of Spot Weld-Bonded Joints. *Zairyo/Journal of the Society of Materials Science, Japan*, **2013**, 62, 770-777 | 0.1 | 5 |
| 154 | Double edge thermal crack problem for an interpenetrating phase composite: Application of a matricity-based thermal conductivity model. *Engineering Fracture Mechanics*, **2017**, 177, 167-179 | 4.2 | 4 |
| 153 | Effect of matrix ductility on fatigue strength of unidirectional jute spun yarns impregnated with biodegradable plastics. *Advanced Composite Materials*, **2018**, 27, 235-247 | 2.8 | 4 |
| 152 | Mechanical Properties of Aligned Carbon Nanotube/Epoxy Composites. *Journal of the Japan Society for Composite Materials*, **2013**, 39, 240-247 | 0.1 | 4 |
| 151 | Mechanical Properties of Carbon Fiber Reinforced Plastics under Hot-Wet Environment. *Key Engineering Materials*, **2011**, 462-463, 207-212 | 0.4 | 4 |

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| 150 | Fatigue strength of a paper-based friction material under shear□compressive loading. *Strength, Fracture and Complexity*, **2011**, 7, 185-193 | 0.7 | 4 |
| 149 | Unsupervised Structural Damage Diagnostic Method Using Judgement of Change of Response Surface by Statistical Tool. Application for Damage Detection of Composite Structure.. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **2002**, | | 4 |
| 148 | Stacking Sequence Optimizations using Fractal-Branch and Bound Method for Laminated Composites.. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **2000**, 66, 714-720 | | 4 |
| 147 | Evaluation of Stress Corrosion Cracking Behavior Around the Interface Between Alloy182 and Low Alloy Steel by KJ. *Zairyo To Kankyo/ Corrosion Engineering*, **2012**, 61, 177-181 | 0.5 | 4 |
| 146 | Investigation on nucleation of intergranular stress corrosion cracking in austenitic stainless steel by in situ strain measurement. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2020**, 773, 138858 | 5.3 | 4 |
| 145 | Improved mechanical properties of aligned multi-walled carbon nanotube/thermoplastic polyimide composites by hot stretching. *Journal of Composite Materials*, **2019**, 53, 1241-1253 | 2.7 | 4 |
| 144 | Effects of high-temperature thermal annealing on properties of aligned multi-walled carbon nanotube sheets and their composites. *Composite Interfaces*, **2020**, 27, 569-586 | 2.3 | 4 |
| 143 | Analysis of the early stage of stress corrosion cracking in austenitic stainless steel by EBSD and XRD. *Materials Characterization*, **2021**, 172, 110882 | 3.9 | 4 |
| 142 | Periodic surface cracks in an interpenetrating phase composite under a thermal shock. *International Journal of Mechanical Sciences*, **2018**, 149, 583-590 | 5.5 | 3 |
| 141 | Influence of particle size and debonding damage on an elastic□plastic singular field around a crack-tip in particulate-reinforced composites. *Acta Mechanica*, **2014**, 225, 1373-1389 | 2.1 | 3 |
| 140 | Effects of structural defects on strength and fracture properties of multi-walled carbon nanotubes. *Transactions of the JSME (in Japanese)*, **2017**, 83, 16-00283-16-00283 | 0.2 | 3 |
| 139 | Derivation of J Integral for Evaluation of Stress Corrosion Cracking Behavior in Plastic Deformation Field. *Zairyo To Kankyo/ Corrosion Engineering*, **2012**, 61, 52-55 | 0.5 | 3 |
| 138 | Damage and Fault Diagnosis of In-service Structure via Statistical Comparison of Relation between Sensor measurements (Damage Diagnosis of in-service Structure under High Noise Environment using Multiple Reference Data). *Journal of Solid Mechanics and Materials Engineering*, **2008**, 2, 1114-1125 | | 3 |
| 137 | Measurement of Moisture Absorption Ratio of FRP Using Micro Polymer Sensor. *Key Engineering Materials*, **2004**, 270-273, 1957-1964 | 0.4 | 3 |
| 136 | Effect of Fiber Volume Fraction on Monitoring Delamination of CFRP Laminates with Electric Resistance Change Method. *Key Engineering Materials*, **2004**, 270-273, 1935-1942 | 0.4 | 3 |
| 135 | Smart Structure for Delamination Detection of CFRP Using Response Surface of Electric Resistance Change of Multiple Electrodes.. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **1999**, 65, 2432-2438 | | 3 |
| 134 | Composite Materials. Electric Resistance Change Method for Identification of Embedded Delamination of CFRP Plates.. *Zairyo/Journal of the Society of Materials Science, Japan*, **2001**, 50, 495-501 | 0.1 | 3 |
| 133 | The Contribution of the Fracture Mechanics for Testing Method which Evaluates Stress Corrosion Cracks Initiation to Propagation Process. *Zairyo/Journal of the Society of Materials Science, Japan*, **2010**, 59, 890-899 | 0.1 | 3 |

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| 132 | Very High Cycle Fatigue Properties of Carburized Steel by Ultrasonic Torsional Fatigue Testing. *Zairyo/Journal of the Society of Materials Science, Japan*, **2010**, 59, 938-943 | 0.1 | 3 |
| 131 | Effects of interfacial thermal resistance on surface cracking in a coating layer bonded to a substrate. *Mechanical Engineering Letters*, **2016**, 2, 16-00436-16-00436 | 0.5 | 3 |
| 130 | Feasibility Study on Application of Synchrotron Radiation CT Imaging to Alloy Steel for Non-Destructive Inspection of Inclusions. *Metals*, **2019**, 9, 527 | 2.3 | 2 |
| 129 | Mechanical Characterization on Solvent Treated Cellulose Nanofiber Preforms Using Solution Dipping-Hot Press Technique. *Nanomaterials*, **2020**, 10, | 5.4 | 2 |
| 128 | Damping Vibration Analysis of Composite Materials Using Mode Superposition and Homogenization Method. *Journal of the Japan Society for Composite Materials*, **2015**, 41, 9-18 | 0.1 | 2 |
| 127 | Effect of Material Composition on Mechanical Properties of Ceramics-Metal Composite Materials. *Key Engineering Materials*, **2011**, 462-463, 100-105 | 0.4 | 2 |
| 126 | Monte Carlo Simulation of Stress Corrosion Cracking in Structural Metal Materials Taking Account of Surface Crack Effects. *Key Engineering Materials*, **2007**, 353-358, 1068-1071 | 0.4 | 2 |
| 125 | Matrix Cracking Detection of CFRP Using Electric Resistance Changes. *Zairyo/Journal of the Society of Materials Science, Japan*, **2004**, 53, 962-966 | 0.1 | 2 |
| 124 | Simulation of debonding for skin/stiffener composite structures. *Advanced Composite Materials*, **2005**, 14, 63-81 | 2.8 | 2 |
| 123 | Statistical Diagnosis for Damage Detection of Self-Learning Smart Structure.. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **2001**, 67, 771-776 | | 2 |
| 122 | Smart Structure for Detection of Embedded Delamination of CFRP Plates Using Multi-Point Voltage Change.. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **2001**, 67, 1002-1008 | | 2 |
| 121 | Identification of Delamination Cracks of CFRP by Electrical Potential Method.. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **1999**, 65, 1330-1336 | | 2 |
| 120 | Damage Monitoring for Semi-Transparent Composites Using Luminance of EL Backlight.. *JSME International Journal Series A-Solid Mechanics and Material Engineering*, **2000**, 43, 76-82 | | 2 |
| 119 | Effect of Fracture Mode on FRP Damage Simulation.. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **1996**, 62, 328-334 | | 2 |
| 118 | Development of Ultrasonic Torsional Fatigue Tester to Evaluate Rolling Bearing Steels **2012**, 237-254 | | 2 |
| 117 | Evaluation of Very High Cycle Fatigue Properties of Titanium Alloy by Using an Ultrasonic Tensile-Compressive Fatigue Testing Machine. *Key Engineering Materials*, **2016**, 725, 366-371 | 0.4 | 2 |
| 116 | Uniform porous and functionally graded porous titanium fabricated via space holder technique with spark plasma sintering for biomedical applications. *Advanced Powder Technology*, **2022**, 33, 103598 | 4.6 | 2 |
| 115 | Construction of Electronic Factual Database on Very High Cycle Fatigue Properties for Structural Metallic Materials. *Key Engineering Materials*, **2015**, 664, 12-21 | 0.4 | 1 |

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| 114 | Proposal of an alternating bending technique for evaluating low-to-high cycle fatigue of structural steels. *Fatigue and Fracture of Engineering Materials and Structures*, **2020**, 43, 1917-1927 | 3 | 1 |
| 113 | Preparation and performance evaluation of electrothermal actuators using aligned carbon nanotube reinforced epoxy composites. *Mechanical Engineering Journal*, **2016**, 3, 15-00607-15-00607 | 0.5 | 1 |
| 112 | Carbon Nanotubes/Carbon Fiber Polymer Matrix Hybrid Composites. *Journal of the Japan Society for Composite Materials*, **2014**, 40, 275-282 | 0.1 | 1 |
| 111 | Biofiber-Reinforced Thermoset Composites **2013**, 213-237 | | 1 |
| 110 | Damping Vibration Analysis of FRP Laminate Using Mode Superposition and Homogenization Method. *Journal of the Japan Society for Composite Materials*, **2017**, 43, 2-8 | 0.1 | 1 |
| 109 | Effect of Cyclic Frequency and Time-Dependent Fracture on Fatigue Strength of Jute Monofilament. *Journal of the Japan Society for Composite Materials*, **2015**, 41, 47-54 | 0.1 | 1 |
| 108 | Fatigue Property and Fatigue Damage Accumulation of Jute Monofilament. *Journal of the Japan Society for Composite Materials*, **2015**, 41, 25-32 | 0.1 | 1 |
| 107 | Fatigue property in paper-based friction materials under out-of-plane compressive loading. *Journal of Reinforced Plastics and Composites*, **2015**, 34, 1593-1602 | 2.9 | 1 |
| 106 | Stress corrosion cracking of sensitized stainless steel type 304 in high-temperature, high-purity water environment **2014**, 386-390 | | 1 |
| 105 | Shear-Compressive Strength and Fatigue Properties of Paper-Based Friction Materials. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **2013**, 79, 1-12 | | 1 |
| 104 | Influence of Constituents on Quasi-Static Strength of Paper-Based Friction Materials. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **2011**, 77, 1712-1722 | | 1 |
| 103 | Reciprocating Bending Deformation and Mechanical Response of Shape-control Plate Using NiTi Shape Memory Alloy Wire. *Journal of Intelligent Material Systems and Structures*, **2010**, 21, 941-951 | 2.3 | 1 |
| 102 | Evaluation of Debonding Fracture Toughness of Paper-Based Friction Materials by Double-Cantilever Beam Specimen. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **2012**, 78, 902-911 | | 1 |
| 101 | Microscopic Structure Control of Carbon Nanofiller/Epoxy Composite by Using AC Electrical Field and the Effect on Physical Properties. *Journal of Solid Mechanics and Materials Engineering*, **2010**, 4, 1550-1562 | | 1 |
| 100 | Monte Carlo Simulation of Stress Corrosion Cracking on Smooth Surface of a Sensitized Stainless Steel Type 304 under Non-Uniform Stress Condition. *Journal of Solid Mechanics and Materials Engineering*, **2010**, 4, 898-907 | | 1 |
| 99 | Monte Carlo Simulation Taking Account of Surface Crack Effect for Stress Corrosion Cracking in a Stainless Steel SUS 304. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **2008**, 74, 128-136 | | 1 |
| 98 | Deformation Behavior and Mechanical Response of Shape-Control Plate Using NiTi Shape Memory Alloy Wire. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **2008**, 74, 260-267 | | 1 |
| 97 | Statistical Damage Detection of Laminated CFRP Beam Using Electrical Resistance Change Method. *Key Engineering Materials*, **2007**, 353-358, 2337-2340 | 0.4 | 1 |

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| 96 | Novel zooming method for delamination monitoring of CFRP laminates using electrical potential change **2004**, | | 1 |
| 95 | Delamination Monitoring of Graphite/Epoxy Laminated Composite Plate with Electric Resistance Change Method **2002**, | | 1 |
| 94 | OS09W0053 Matrix crack detections of CFRP using electric resistance changes. *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2003**, 2003.2, _OS09W0053-_OS09W0053 | 0 | 1 |
| 93 | Wireless Strain Monitoring of Tire Using Capacitance Change with Oscillator. *Journal of the Japan Society for Composite Materials*, **2004**, 30, 55-62 | 0.1 | 1 |
| 92 | Monte Carlo Simulation of Stress Corrosion Cracking on Smooth Surface under Non-Uniform Stress Condition. *Zairyo/Journal of the Society of Materials Science, Japan*, **2008**, 57, 1191-1197 | 0.1 | 1 |
| 91 | Evaluation of Very High Cycle Fatigue Property of Quasi-Isotropic CFRP Laminate by Ultrasonic Fatigue Testing Machine. *The Proceedings of the Materials and Mechanics Conference*, **2019**, 2019, OS1914 | 0 | 1 |
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