Yoshinbou Shimamura

List of Publications by Year
in descending order

249	2,953	236612	205818
papers	citations	25 h-index	48 g-index

253	253	253	2132
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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.	3.8	218
2	Anisotropic carbon nanotube papers fabricated from multiwalled carbon nanotube webs. Carbon, 2011, 49, 2437-2443.	5.4	140
3	Chemical recycling of carbon fiber reinforced plastic using supercritical methanol. Journal of Supercritical Fluids, 2014, 91, 68-76.	1.6	120
4	Delamination monitoring of graphite/epoxy laminated composite plate of electric resistance change method. Composites Science and Technology, 2002, 62, 1151-1160.	3.8	111
5	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.	3.8	111
6	Matrix crack detection of CFRP using electrical resistance change with integrated surface probes. Composites Science and Technology, 2006, 66, 1539-1545.	3.8	99
7	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.	5.4	89
8	Electrical resistance change method for monitoring delaminations of CFRP laminates: effect of spacing between electrodes. Composites Science and Technology, 2005, 65, 37-46.	3.8	87
9	Recycling of carbon fiber reinforced plastic containing amine-cured epoxy resin using supercritical and subcritical fluids. Journal of Supercritical Fluids, 2017, 119, 44-51.	1.6	78
10	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.	3.8	71
11	High performance estimations of delamination of graphite/epoxy laminates with electric resistance change method. Composites Science and Technology, 2003, 63, 1911-1920.	3.8	69
12	Effects of CNT diameter on mechanical properties of aligned CNT sheets and composites. Composites Part A: Applied Science and Manufacturing, 2015, 76, 289-298.	3.8	69
13	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.	5.9	53
14	Electrical Resistance Change under Strain of CNF/Flexible-Epoxy Composite. Advanced Composite Materials, 2010, 19, 123-138.	1.0	51
15	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.	3.8	50
16	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.	3.8	49
17	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.	3.8	48
18	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.	3.8	47

#	Article	IF	Citations
19	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.	2.6	40
20	Influence of microstructure on fracture toughness distribution in ceramicâ€“metal functionally graded materials. Engineering Fracture Mechanics, 2008, 75, 4529-4541.	2.0	38
21	Fabrication of alumina-titanium composites by spark plasma sintering and their mechanical properties. Journal of Alloys and Compounds, 2018, 744, 759-768.	2.8	36
22	Wireless strain monitoring using electrical capacitance change of tire: part Iâ€”with oscillating circuit. Smart Materials and Structures, 2003, 12, 403-409.	1.8	34
23	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.	3.0	34
24	Crystallography of intergranular corrosion in sensitized austenitic stainless steel. Materials Characterization, 2018, 144, 219-226.	1.9	32
25	Fatigue properties of carburized alloy steel in very high cycle regime under torsional loading. International Journal of Fatigue, 2014, 60, 57-62.	2.8	31
26	Fatigue Behavior of Unidirectional Jute Spun Yarn Reinforced PLA. Advanced Composite Materials, 2012, 21, 1-10.	1.0	26
27	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.	0.4	25
28	Effects with a matrix crack on monitoring by electrical resistance method. Advanced Composite Materials, 2004, 13, 107-120.	1.0	25
29	Monte Carlo simulation of stress corrosion cracking on a smooth surface of sensitized stainless steel type 304. Corrosion Science, 2009, 51, 2208-2217.	3.0	25
30	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.	3.8	25
31	On the Î” J -integral to characterize elastic-plastic fatigue crack growth. Engineering Fracture Mechanics, 2017, 176, 300-307.	2.0	25
32	Fracture toughness distribution of alumina-titanium functionally graded materials fabricated by spark plasma sintering. Journal of Alloys and Compounds, 2018, 766, 1-11.	2.8	25
33	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.	2.6	25
34	A micro-mechanics model for composites reinforced by regularly distributed particles with an inhomogeneous interphase. Computational Materials Science, 2009, 46, 507-515.	1.4	24
35	Fabrication of PSZâ€“Ti composites by spark plasma sintering and their mechanical properties. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 621, 166-172.	2.6	23
36	Mechanical property enhancement of aligned multi-walled carbon nanotube sheets and composites through press-drawing process. Advanced Composite Materials, 2016, 25, 73-86.	1.0	23

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37	Wireless strain monitoring using electrical capacitance change of tire: part IIâ€”passive. Smart Materials and Structures, 2003, 12, 410-416.	1.8	22
38	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.	2.0	22
39	Densification process in fabrication of PSZ-Ti composites by spark plasma sintering technique. Materials Characterization, 2017, 132, 230-238.	1.9	22
40	Susceptibility to intergranular corrosion in sensitized austenitic stainless steel characterized via crystallographic characteristics of grain boundaries. Corrosion Science, 2022, 195, 109946.	3.0	22
41	Infrared-driven poly(vinylidene difluoride)/tungsten oxide pyroelectric generator for non-contact energy harvesting. Composites Science and Technology, 2019, 178, 26-32.	3.8	21
42	Nanoscopic observations for evaluating the failure process of aligned multi-walled carbon nanotube/epoxy composites. Composites Science and Technology, 2013, 88, 48-56.	3.8	20
43	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.	3.8	19
44	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.	1.0	19
45	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.	1.0	18
46	Passive wireless strain monitoring of a tire using capacitance and electromagnetic induction change. Advanced Composite Materials, 2005, 14, 147-164.	1.0	17
47	Fabrication and Strength Evaluation of Biocompatible Ceramic-Metal Composite Materials. Journal of Solid Mechanics and Materials Engineering, 2010, 4, 1699-1710.	0.5	17
48	Fatigue Properties of Spot Welded and Spot Weld-Bonded Joints of Steel Sheet. Procedia Engineering, 2011, 10, 1075-1080.	1.2	17
49	Stress transfer efficiency in aligned multi-wall carbon nanotubes sheet/epoxy composites. Composites Part A: Applied Science and Manufacturing, 2014, 67, 16-21.	3.8	17
50	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.	2.6	17
51	Detection of Matrix Cracking of CFRP Using Electrical Resistance Changes. Key Engineering Materials, 2005, 297-300, 2096-2101.	0.4	15
52	Monitoring delamination of laminated CFRP using the electric potential change method (two-stage) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.0	15
53	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.	0.2	15
54	Analysis of the early stage of stress corrosion cracking in austenitic stainless steel by EBSD and XRD. Materials Characterization, 2021, 172, 110882.	1.9	15

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55	Study on the mechanical and electrical properties of twisted CNT yarns fabricated from CNTs with various diameters. Carbon, 2021, 176, 400-410.	5.4	15
56	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	14
57	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.	2.0	14
58	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.	0.2	13
59	Impact Behavior and Energy Transfer Efficiency of Pulse-Driven Bent-Beam Electrothermal Actuators. Journal of Microelectromechanical Systems, 2006, 15, 101-110.	1.7	13
60	Detectability of Bearing Failure of Composite Bolted Joints by Electric Resistance Change Method. Key Engineering Materials, 2006, 321-323, 957-962.	0.4	13
61	Fatigue strength and fatigue fracture mechanism of three-sheet spot weld-bonded joints under tensileâ€“shear loading. International Journal of Fatigue, 2016, 87, 424-434.	2.8	13
62	Electrical impedance change method for moisture absorption monitoring of CFRP. Advanced Composite Materials, 2004, 13, 297-310.	1.0	12
63	Crystallographic Evaluation of Susceptibility to Intergranular Corrosion in Austenitic Stainless Steel with Various Degrees of Sensitization. Materials, 2020, 13, 613.	1.3	12
64	Multi-physics simulation of oxygen diffusion in PSZâ€“Ti composites during spark plasma sintering process. Computational Materials Science, 2014, 95, 29-34.	1.4	11
65	Stacking sequence optimizations using modified global response surface in lamination parameters. Advanced Composite Materials, 2003, 12, 35-55.	1.0	10
66	Application of Electric Resistance Change Method to Damage Detection of CFRP Bolted Joints. Key Engineering Materials, 2005, 297-300, 653-658.	0.4	10
67	Ultrasonic dispersion of SiO2 particles in glassy epoxy resin. Journal of Composite Materials, 2012, 46, 1159-1168.	1.2	10
68	Fracture Mechanics Study on Stress Corrosion Cracking Behavior under Corrosive Environment. Journal of Solid Mechanics and Materials Engineering, 2013, 7, 341-356.	0.5	10
69	Simulation of water impregnation through vertically aligned CNT forests using a molecular dynamics method. Scientific Reports, 2016, 6, 32262.	1.6	10
70	Patch-type large strain sensor using elastomeric composite filled with carbon nanofibers. International Journal of Aeronautical and Space Sciences, 2013, 14, 146-151.	1.0	10
71	Standardization of an ultrasonic fatigue testing method in Japan. Fatigue and Fracture of Engineering Materials and Structures, 2022, 45, 2415-2420.	1.7	9
72	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, 68, 1292-1297.	0.2	8

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73	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.	1.0	8
74	Statistical Damage Detection of Laminated CFRP Beam Using Electrical Resistance Change Method. Key Engineering Materials, 2007, 353-358, 2337-2340.	0.4	8
75	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
76	Improved mechanical properties of aligned multi-walled carbon nanotube/thermoplastic polyimide composites by hot stretching. Journal of Composite Materials, 2019, 53, 1241-1253.	1.2	8
77	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.	2.0	8
78	Effects of high-temperature thermal annealing on properties of aligned multi-walled carbon nanotube sheets and their composites. Composite Interfaces, 2020, 27, 569-586.	1.3	8
79	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.	2.6	8
80	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	8
81	Cyclic Behavior of Electrical Resistance Type Low Stiffness, Large Strain Sensor by Using Carbon Nanofiber/Flexible Epoxy Composite. Key Engineering Materials, 0, 462-463, 1200-1205.	0.4	7
82	Effect of matrix ductility on fatigue strength of unidirectional jute spun yarns impregnated with biodegradable plastics. Advanced Composite Materials, 2018, 27, 235-247.	1.0	7
83	Property improvement of CNT spun yarns and their composites through pressing, stretching and tensioning. Advanced Composite Materials, 2019, 28, 507-524.	1.0	7
84	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.	1.5	7
85	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	7
86	Luminance change method for strain and matrix cracking monitoring of glass/epoxy composites with EL backlight. Composites Science and Technology, 2003, 63, 273-281.	3.8	6
87	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.	0.2	6
88	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
89	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.	0.4	6
90	Statistical Damage Detection of Laminated CFRP Beam Using Electrical Resistance Change Method. Key Engineering Materials, 2007, 353-358, 1330-1333.	0.4	6

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91	Mechanical Properties of Carbon Fiber Reinforced Plastics under Hot-Wet Environment. Key Engineering Materials, 0, 462-463, 207-212.	0.4	6
92	A micromechanics-based incremental damage theory of bulk metallic glass matrix composites. International Journal of Damage Mechanics, 2016, 25, 358-376.	2.4	6
93	An unsupervised statistical damage detection method for structural health monitoring (applied to) Tj ETQq1 1 0.784314 rgBT /Overlo	1.8	5
94	An analytical model to study the effective stiffness of the composites with periodically distributed sphere particles. Composite Structures, 2010, 92, 216-222.	3.1	5
95	Derivation of J Integral for Evaluation of Stress Corrosion Cracking Behavior in Plastic Deformation Field. Zairyo To Kankyo/ Corrosion Engineering, 2012, 61, 52-55.	0.0	5
96	Influence of particle size and debonding damage on an elasticâ€“plastic singular field around a crack-tip in particulate-reinforced composites. Acta Mechanica, 2014, 225, 1373-1389.	1.1	5
97	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	5
98	Periodic surface cracks in an interpenetrating phase composite under a thermal shock. International Journal of Mechanical Sciences, 2018, 149, 583-590.	3.6	5
99	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
100	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
101	Accelerated axial fatigue testing of carbon fiber reinforced plastics quasiâ€isotropic laminate by using ultrasonic fatigue testing machine. Fatigue and Fracture of Engineering Materials and Structures, 2022, 45, 2421-2424.	1.7	5
102	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.	0.2	4
103	Damage Identification by Discriminant Analysis Using Mahalanobis Distance.. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2001, 67, 1242-1247.	0.2	4
104	Measurement of Moisture Absorption Ratio of FRP Using Micro Polymer Sensor. Key Engineering Materials, 2004, 270-273, 1957-1964.	0.4	4
105	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	4
106	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	4
107	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.	0.2	4
108	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) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.5	4

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109	Fatigue strength of a paper-based friction material under shearâ€“compressive loading. Strength, Fracture and Complexity, 2011, 7, 185-193.	0.2	4
110	Mechanical Properties of Aligned Carbon Nanotube/Epoxy Composites. Journal of the Japan Society for Composite Materials, 2013, 39, 240-247.	0.1	4
111	Fatigue Property and Fatigue Damage Accumulation of Jute Monofilament. Journal of the Japan Society for Composite Materials, 2015, 41, 25-32.	0.1	4
112	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.	0.2	4
113	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.	2.0	4
114	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.	0.1	4
115	Feasibility Study on Application of Synchrotron Radiation Î¼CT Imaging to Alloy Steel for Non-Destructive Inspection of Inclusions. Metals, 2019, 9, 527.	1.0	4
116	Proposal of Analytical Model of Tensile Property of Untwisted Carbon Nanotube Yarn and Estimation of Tensile Property of Carbon Nanotube. Materials Transactions, 2021, 62, 1291-1297.	0.4	4
117	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	4
118	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	4
119	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.	0.0	4
120	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.	0.2	3
121	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	3
122	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	3
123	Mechanical Characterization on Solvent Treated Cellulose Nanofiber Preforms Using Solution Dippingâ€“Hot Press Technique. Nanomaterials, 2020, 10, 841.	1.9	3
124	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
125	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.	0.2	2
126	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.	0.2	2

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127	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.	0.4	2
128	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.	0.2	2
129	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.	0.2	2
130	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
131	‹title›Novel zooming method for delamination monitoring of CFRP laminates using electrical potential change‹/title›. , 2004, , .		2
132	Simulation of debonding for skin/stiffener composite structures. Advanced Composite Materials, 2005, 14, 63-81.	1.0	2
133	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.	0.5	2
134	Effect of Material Composition on Mechanical Properties of Ceramics-Metal Composite Materials. Key Engineering Materials, 2011, 462-463, 100-105.	0.4	2
135	Fatigue property in paper-based friction materials under out-of-plane compressive loading. Journal of Reinforced Plastics and Composites, 2015, 34, 1593-1602.	1.6	2
136	Temperature dependence of axial thermal expansion coefficient of multi-walled carbon nanotubes (A) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.1	2
137	Evaluation of Very High Cycle Fatigue Properties of Î²-Titanium Alloy by Using an Ultrasonic Tensile-Compressive Fatigue Testing Machine. Key Engineering Materials, 0, 725, 366-371.	0.4	2
138	Investigation of physical and mechanical properties of nano-pulverized cellulose nanofiber preform sheets for CNF thermoset nanocomposites application. Wood Science and Technology, 2020, 54, 1349-1362.	1.4	2
139	Proposal of an alternating bending technique for evaluating lowâ€toâ€high cycle fatigue of structural steels. Fatigue and Fracture of Engineering Materials and Structures, 2020, 43, 1917-1927.	1.7	2
140	Interfacial Properties of Bonded Dissimilar Materials Fabricated via Spark Plasma Sintering. Materials Transactions, 2021, 62, 1102-1108.	0.4	2
141	Wireless Strain Monitoring of Tire Using Capacitance Change with Oscillator. Journal of the Japan Society for Composite Materials, 2004, 30, 55-62.	0.1	2
142	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	2
143	Development of Ultrasonic Torsional Fatigue Tester to Evaluate Rolling Bearing Steels. , 2012, , 237-254.		2
144	Inexpensive FEM Analysis of Delamination Process in Composite Laminates by Using Two-Dimensional Elements.. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 1998, 64, 2046-2051.	0.2	1

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145	Delamination Monitoring of Graphite/Epoxy Laminated Composite Plate with Electric Resistance Change Method. , 2002, , .		1
146	Statistical damage diagnosis of in-service structure under high noise environment using multiple reference data. , 2007, , .		1
147	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.	0.2	1
148	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.	0.5	1
149	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.	1.4	1
150	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.	0.2	1
151	Influence of Strength Level of Steels on Fatigue Strength and Fracture Morphology of Spot Welded Joints. Key Engineering Materials, 0, 462-463, 94-99.	0.4	1
152	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.	0.2	1
153	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.	0.2	1
154	Stress corrosion cracking of sensitized stainless steel type 304 in high-temperature, high-purity water environment. , 2014, , 386-390.		1
155	Carbon Nanotubes/Carbon Fiber Polymer Matrix Hybrid Composites. Journal of the Japan Society for Composite Materials, 2014, 40, 275-282.	0.1	1
156	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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