

Shinya Matsuda

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

95
citations

1478505

6
h-index

1474206

9
g-index

33
all docs

33
docs citations

33
times ranked

70
citing authors

#	ARTICLE	IF	CITATIONS
1	Equibiaxial Flexural Strength Characteristics and Probabilistic Approach for Small and Thin Specimen of Brittle Materials. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2022, 71, 266-272.	0.2	0
2	Tensile fracture characteristics of carbon fibers collected from the outer and inner parts of a CFRP laminate by thermal decomposition. <i>Composite Structures</i> , 2022, 292, 115603.	5.8	6
3	Characterization of piercing damage in CFRP cross-ply laminates after punch shear machining via impact loading. <i>Journal of Composite Materials</i> , 2021, 55, 4111-4124.	2.4	4
4	Cyclic fatigue life characteristics of ceramic balls under variable thermal shock loadings. <i>Engineering Fracture Mechanics</i> , 2021, 255, 107924.	4.3	1
5	Application of Probabilistic Models to Material Strength, Structural Strength and Disaster Occurrence. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2021, 70, 781-787.	0.2	0
6	Application of Probabilistic Models to Material Strength, Structural Strength and Disaster Occurrence. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2021, 70, 861-867.	0.2	0
7	Rapid removal of resin from a unidirectional carbon fiber reinforced plastic laminate by a high-voltage electrical treatment. <i>Separation and Purification Technology</i> , 2020, 231, 115885.	7.9	23
8	Effect of annealing on the separation of resin from CFRP cross-ply laminate via electrical treatment. <i>Composite Structures</i> , 2020, 234, 111665.	5.8	6
9	Removal mechanism of epoxy resin from CFRP composites triggered by water electrolysis gas generation. <i>Separation and Purification Technology</i> , 2020, 251, 117296.	7.9	11
10	Theoretical approach to determine dynamic fatigue strength characteristics of ceramics under variable loading rates on the basis of SCG concept. <i>International Journal of Fracture</i> , 2019, 215, 175-182.	2.2	3
11	Simple mechanics model and Hertzian ring crack initiation strength characteristics of silicon nitride ceramic ball subjected to thermal shock. <i>Engineering Fracture Mechanics</i> , 2018, 197, 236-247.	4.3	4
12	Probabilistic Model for Brittle Fracture and Statistical Characteristic of Absorbed Energy in Charpy Impact Test. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2018, 82, 102-107.	0.4	1
13	Effect analysis of loading rate on relationship between strength and flaw size of ceramics using probabilistic model on the basis of SCG concept. <i>Transactions of the JSME (in Japanese)</i> , 2017, 83, 16-00369-16-00369.	0.2	1
14	Machining Quality and Characteristics of Circular Piercing Hole Produced by Punch Press in Thermosetting CFRP Laminates. <i>Journal of the Japan Society for Composite Materials</i> , 2016, 42, 13-22.	0.2	1
15	Fracture characteristics of silicon nitride ceramic ball subjected to thermal shock. <i>Journal of Materials Science</i> , 2016, 51, 5502-5513.	3.7	8
16	Photoelasticity using liquid crystal display of laptop computer as light source. <i>Transactions of the JSME (in Japanese)</i> , 2015, 81, 14-00456-14-00456.	0.2	0
17	J0450304 Punching Process of CFRP Laminate under Low-Velocity Impact. <i>The Proceedings of Mechanical Engineering Congress Japan</i> , 2015, 2015, _J0450304--_J0450304.	0.0	0
18	Surface Treatment for Fretting Fatigue Strength Improvement of Aluminum Alloy Used in Rear-Arm of Motorcycle. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2015, 64, 872-879.	0.2	1

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19	A stochastic approach for continuous and discontinuous crack growth in polycarbonate under cyclic loading. <i>Polymer Engineering and Science</i> , 2013, 53, 1920-1926.	3.1	2
20	Residual Strength Properties of Monolithic Ceramics after Static Loading. <i>Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A</i> , 2013, 79, 749-753.	0.2	0
21	Time-Temperature Parameter Methods and Probabilistic Delayed-Fracture Model for High Temperature Creep Rupture in Ceramics. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2013, 62, 569-574.	0.2	0
22	Probabilistic Constant Fatigue Life Diagrams for Ceramics. <i>Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A</i> , 2012, 78, 912-922.	0.2	0
23	Estimation of dynamic fatigue strengths in brittle materials under a wide range of stress rates. <i>Journal of Materials Science</i> , 2011, 46, 5056-5063.	3.7	7
24	Probabilistic Strength Estimation for Brittle Materials under Variable Loading Rate. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2011, 60, 477-481.	0.2	0
25	Fracture strength distribution of porous ceramics under quasi-static load. <i>Engineering Fracture Mechanics</i> , 2010, 77, 2601-2609.	4.3	6
26	Unified Time-Dependent Fracture Model Based on the Thermally Activated Process and Fracture Strength Properties of Porous Ceramics. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2010, 59, 342-347.	0.2	0
27	Study on Static and Dynamic Contact Strength of Ceramic Bearing Ball. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2009, 58, 338-344.	0.2	2
28	Thermal Shock Fracture Properties of Damage-Tolerant Advanced Pore-Free SiC. <i>Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A</i> , 2008, 74, 1156-1163.	0.2	1
29	Study for the origin of fracture of advanced pore-free silicon carbide with damage tolerance. <i>Journal of the Ceramic Society of Japan</i> , 2008, 116, 126-129.	1.1	1
30	Initiation Strength Properties of Ring Crack Caused by Sphere Indentation in Damage-Tolerant Advanced Pore-Free SiC. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2008, 57, 1138-1145.	0.2	1
31	Study for Loading Rate Dependence on Strength Properties of Advanced Pore-Free SiC with Damage Tolerance. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2008, 57, 292-296.	0.2	2
32	Fracture Properties for Advanced Pore-Free SiC Dispersing of Si Particles. <i>Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A</i> , 2007, 73, 926-933.	0.2	3
33	OS14-3-1 Effects of Loading Rate on Fracture Properties of Advanced Pore-Free SiC Dispersing Si Particles. <i>The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics</i> , 2007, 2007.6, _OS14-3-1-_OS14-3-1-.	0.0	0