

Shinya Matsuda

List of Publications by Year in descending order

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papers

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all docs

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docs citations

33
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citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid removal of resin from a unidirectional carbon fiber reinforced plastic laminate by a high-voltage electrical treatment. Separation and Purification Technology, 2020, 231, 115885.	7.9	23
2	Removal mechanism of epoxy resin from CFRP composites triggered by water electrolysis gas generation. Separation and Purification Technology, 2020, 251, 117296.	7.9	11
3	Fracture characteristics of silicon nitride ceramic ball subjected to thermal shock. Journal of Materials Science, 2016, 51, 5502-5513.	3.7	8
4	Estimation of dynamic fatigue strengths in brittle materials under a wide range of stress rates. Journal of Materials Science, 2011, 46, 5056-5063.	3.7	7
5	Fracture strength distribution of porous ceramics under quasi-static load. Engineering Fracture Mechanics, 2010, 77, 2601-2609.	4.3	6
6	Effect of annealing on the separation of resin from CFRP cross-ply laminate via electrical treatment. Composite Structures, 2020, 234, 111665.	5.8	6
7	Tensile fracture characteristics of carbon fibers collected from the outer and inner parts of a CFRP laminate by thermal decomposition. Composite Structures, 2022, 292, 115603.	5.8	6
8	Simple mechanics model and Hertzian ring crack initiation strength characteristics of silicon nitride ceramic ball subjected to thermal shock. Engineering Fracture Mechanics, 2018, 197, 236-247.	4.3	4
9	Characterization of piercing damage in CFRP cross-ply laminates after punch shear machining via impact loading. Journal of Composite Materials, 2021, 55, 4111-4124.	2.4	4
10	Fracture Properties for Advanced Pore-Free SiC Dispersing of Si Particles. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2007, 73, 926-933.	0.2	3
11	Theoretical approach to determine dynamic fatigue strength characteristics of ceramics under variable loading rates on the basis of SCG concept. International Journal of Fracture, 2019, 215, 175-182.	2.2	3
12	A stochastic approach for continuous and discontinuous crack growth in polycarbonate under cyclic loading. Polymer Engineering and Science, 2013, 53, 1920-1926.	3.1	2
13	Study for Loading Rate Dependence on Strength Properties of Advanced Pore-Free SiC with Damage Tolerance. Zairyo/Journal of the Society of Materials Science, Japan, 2008, 57, 292-296.	0.2	2
14	Study on Static and Dynamic Contact Strength of Ceramic Bearing Ball. Zairyo/Journal of the Society of Materials Science, Japan, 2009, 58, 338-344.	0.2	2
15	Thermal Shock Fracture Properties of Damage-Tolerant Advanced Pore-Free SiC. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2008, 74, 1156-1163.	0.2	1
16	Study for the origin of fracture of advanced pore-free silicon carbide with damage tolerance. Journal of the Ceramic Society of Japan, 2008, 116, 126-129.	1.1	1
17	Machining Quality and Characteristics of Circular Piercing Hole Produced by Punch Press in Thermosetting CFRP Laminates. Journal of the Japan Society for Composite Materials, 2016, 42, 13-22.	0.2	1
18	Effect analysis of loading rate on relationship between strength and flaw size of ceramics using probabilistic model on the basis of SCG concept. Transactions of the JSME (in Japanese), 2017, 83, 16-00369-16-00369.	0.2	1

#	ARTICLE	IF	CITATIONS
19	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
20	Cyclic fatigue life characteristics of ceramic balls under variable thermal shock loadings. <i>Engineering Fracture Mechanics</i> , 2021, 255, 107924.	4.3	1
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	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
30	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
31	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
32	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
33	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