

Fuminori Yanagimoto

List of Publications by Year in descending order

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28
papers

197
citations

1163117

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1058476

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28
all docs

28
docs citations

28
times ranked

77
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of rapid crack arrestability enhancement by structural factors in cross-joint components using a transparent elastic solid. International Journal of Mechanical Sciences, 2020, 174, 105502.	6.7	3
2	Effect of the stress field on crack branching in brittle material. Theoretical and Applied Fracture Mechanics, 2020, 108, 102583.	4.7	6
3	Contribution of grain size to resistance against cleavage crack propagation in ferritic steel. Acta Materialia, 2019, 177, 96-106.	7.9	28
4	A physics based model to simulate brittle crack arrest in steel plates incorporating experimental and numerical evidences. Engineering Fracture Mechanics, 2019, 221, 106660.	4.3	2
5	Governing factors of the local tensile stress in the vicinity of a rapidly propagating crack tip in elastic-viscoplastic solids. Engineering Fracture Mechanics, 2019, 218, 106548.	4.3	4
6	Effect of triaxial stress distribution upon roughness of brittle fracture surface. MATEC Web of Conferences, 2019, 300, 11007.	0.2	0
7	Local stress in the vicinity of the propagating cleavage crack tip in ferritic steel. Materials and Design, 2018, 144, 361-373.	7.0	22
8	Local stress evaluation of rapid crack propagation in finite element analyses. International Journal of Solids and Structures, 2018, 144-145, 66-77.	2.7	11
9	Brittle crack propagation/arrest behavior in steel plate “ Part III: Discussions on arrest design. Engineering Fracture Mechanics, 2018, 190, 104-119.	4.3	13
10	Computer simulation of cleavage fracture surface morphologies in steel plates. Procedia Structural Integrity, 2018, 13, 104-109.	0.8	0
11	Simulated running ductile fracture experiment using rubber tube. Procedia Structural Integrity, 2018, 13, 110-115.	0.8	0
12	Investigation on brittle crack propagation and arrest behaviour under high crack driving force in steel. Procedia Structural Integrity, 2018, 13, 116-122.	0.8	0
13	High speed observation of fast crack propagation and arrest behaviour in 3D transparent structures. Procedia Structural Integrity, 2018, 13, 2095-2100.	0.8	0
14	Development of dynamic mesh superposition method for local tensile stress evaluation. Procedia Structural Integrity, 2018, 13, 1111-1116.	0.8	0
15	The influence of grain size on cleavage crack propagation resistance in ferritic steels. Procedia Structural Integrity, 2018, 13, 1221-1225.	0.8	1
16	Multiscale Model Synthesis to Clarify the Relationship between Microstructures of Steel and Macroscopic Brittle Crack Arrest Behavior - Part II: Application to Crack Arrest Test. ISIJ International, 2016, 56, 350-358.	1.4	11
17	Multiscale Model Synthesis to Clarify the Relationship between Microstructures of Steel and Macroscopic Brittle Crack Arrest Behavior - Part I: Model Presentation. ISIJ International, 2016, 56, 341-349.	1.4	14
18	A new model to simulate crack arrest behavior in steel plates used for naval structures. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
19	Brittle crack propagation/arrest behavior in steel plate “ Part II: Experiments and model validation. Engineering Fracture Mechanics, 2016, 162, 341-360.	4.3	32
20	Brittle crack propagation/arrest behavior in steel plate “ Part I: Model formulation. Engineering Fracture Mechanics, 2016, 162, 324-340.	4.3	38
21	Measurement of local brittle fracture stress for dynamic crack propagation in steel. Procedia Structural Integrity, 2016, 2, 395-402.	0.8	2
22	Finite element model to simulate crack propagation based on local fracture stress criterion. Procedia Structural Integrity, 2016, 2, 2558-2565.	0.8	2
23	Modeling of Brittle Crack Propagation/Arrest Behavior in Steel Plates. Procedia Structural Integrity, 2016, 2, 2598-2605.	0.8	2
24	Multiscale modeling to clarify the relationship between microstructures of steel and macroscopic brittle crack propagation/arrest behavior. Procedia Structural Integrity, 2016, 2, 2389-2396.	0.8	3
25	Multiscale Model Synthesis to Clarify the Relationship between Microstructures of Steel and Macroscopic Brittle Crack Arrest Behavior “ Part II: Application to Crack Arrest Test. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2016, 102, 356-364.	0.4	0
26	Erratum to “Multiscale Model Synthesis to Clarify the Relationship between Microstructures of Steel and Macroscopic Brittle Crack Arrest Behavior-Part I: Model Presentation” [ISIJ Int. 56(2): 341-349 (2016)]. ISIJ International, 2016, 56, 504-504.	1.4	0
27	Multiscale Model Synthesis to Clarify the Relationship between Microstructures of Steel and Macroscopic Brittle Crack Arrest Behavior “ Part I: Model Presentation. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2016, 102, 347-355.	0.4	2
28	FUNDAMENTAL STUDY ON THE SIMULATION OF FAST CRACK PROPAGATION BY FINITE ELEMENT METHOD. Journal of Japan Society of Civil Engineers Ser A2 (Applied Mechanics (AM)), 2015, 71, I_29-I_38.	0.1	1