Fuminori Yanagimoto

List of Publications by Year
in descending order

28	197	1163117 8	1058476 14
papers	citations	h-index	g-index

28	28	28	77
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Brittle crack propagation/arrest behavior in steel plate â€“ Part I: Model formulation. Engineering Fracture Mechanics, 2016, 162, 324-340.	4.3	38
2	Brittle crack propagation/arrest behavior in steel plate â€“ Part II: Experiments and model validation. Engineering Fracture Mechanics, 2016, 162, 341-360.	4.3	32
3	Contribution of grain size to resistance against cleavage crack propagation in ferritic steel. Acta Materialia, 2019, 177, 96-106.	7.9	28
4	Local stress in the vicinity of the propagating cleavage crack tip in ferritic steel. Materials and Design, 2018, 144, 361-373.	7.0	22
5	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
6	Brittle crack propagation/arrest behavior in steel plate â€“ Part III: Discussions on arrest design. Engineering Fracture Mechanics, 2018, 190, 104-119.	4.3	13
7	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
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	Effect of the stress field on crack branching in brittle material. Theoretical and Applied Fracture Mechanics, 2020, 108, 102583.	4.7	6
10	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
11	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
12	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
13	Measurement of local brittle fracture stress for dynamic crack propagation in steel. Procedia Structural Integrity, 2016, 2, 395-402.	0.8	2
14	Finite element model to simulate crack propagation based on local fracture stress criterion. Procedia Structural Integrity, 2016, 2, 2558-2565.	0.8	2
15	Modeling of Brittle Crack Propagation/Arrest Behavior in Steel Plates. Procedia Structural Integrity, 2016, 2, 2598-2605.	0.8	2
16	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
17	Multiscale Model Synthesis to Clarify the Relationship between Microstructures of Steel and Macroscopic Brittle Crack Arrest Behavior â€“ Part I: Model Presentation. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2016, 102, 347-355.	0.4	2
18	The influence of grain size on cleavage crack propagation resistance in ferritic steels. Procedia Structural Integrity, 2018, 13, 1221-1225.	0.8	1

#	Article	IF	Citations
19	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
20	A new model to simulate crack arrest behavior in steel plates used for naval structures. , 2016, , .		0
21	Computer simulation of cleavage fracture surface morphologies in steel plates. Procedia Structural Integrity, 2018, 13, 104-109.	0.8	0
22	Simulated running ductile fracture experiment using rubber tube. Procedia Structural Integrity, 2018, 13, 110-115.	0.8	0
23	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
24	High speed observation of fast crack propagation and arrest behaviour in 3D transparent structures. Procedia Structural Integrity, 2018, 13, 2095-2100.	0.8	0
25	Development of dynamic mesh superposition method for local tensile stress evaluation. Procedia Structural Integrity, 2018, 13, 1111-1116.	0.8	0
26	Effect of triaxial stress distribution upon roughness of brittle fracture surface. MATEC Web of Conferences, 2019, 300, 11007.	0.2	0
27	Multiscale Model Synthesis to Clarify the Relationship between Microstructures of Steel and Macroscopic Brittle Crack Arrest Behavior â€“ 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
28	Erratum to â€œMultiscale Model Synthesis to Clarify the Relationship between Microstructures of Steel and Macroscopic Brittle Crack Arrest Behavior-Part I: Model Presentationâ€•[ISIJ Int. 56(2): 341â€“349 (2016)]. ISIJ International, 2016, 56, 504-504.	1.4	0