

Riccardo Fincato

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Effects of weld geometry and HAZ property on low-cycle fatigue behavior of welded joint. International Journal of Fatigue, 2022, 156, 106683.	5.7	23
2	Fatigue performance of the slit end area of slotted CHS tube-to-gusset plate connection. Thin-Walled Structures, 2022, 173, 108920.	5.3	7
3	Ductile fracture modeling of metallic materials: a short review. Frattura Ed Integrita Strutturale, 2022, 16, 1-17.	0.9	3
4	An overstress elasto-viscoplasticity model for high/low cyclic strain rates loading conditions: Part II " Numerical analyses. International Journal of Solids and Structures, 2021, 208-209, 247-261.	2.7	7
5	Fully implicit numerical integration of the Yoshida-Uemori two-surface plasticity model with isotropic hardening stagnation. Frattura Ed Integrita Strutturale, 2021, 15, 114-126.	0.9	1
6	Coupled elasto-viscoplastic and damage model accounting for plastic anisotropy and damage evolution dependent on loading conditions. Computer Methods in Applied Mechanics and Engineering, 2021, 387, 114165.	6.6	15
7	NUMERICAL STUDY ON FATIGUE NOTCH SENSITIVITY OF HIGH AND MIDDLE STRENGTH CARBON STEELS FOR WELDED STRUCTURES. Journal of Japan Society of Civil Engineers Ser A2 (Applied Mechanics (AM)), 2021, 77, I_145-I_153.	0.1	1
8	An overstress elasto-viscoplasticity model for high/low cyclic strain rates loading conditions: Part I " Formulation and computational aspects. International Journal of Solids and Structures, 2020, 207, 279-294.	2.7	13
9	Ductile behaviour of carbon steel for welded structures: Experiments and numerical simulations. Journal of Constructional Steel Research, 2020, 172, 106185.	3.9	16
10	3D crystal plasticity analyses on the role of hard/soft inclusions in the local slip formation. International Journal of Fatigue, 2020, 134, 105518.	5.7	8
11	NUMERICAL INVESTIGATION ON FATIGUE CRACK INITIATION AND PROPAGATION LIVES FOR NON-LOAD CARRYING FILLET WELDED JOINT CONSIDERING CYCLIC ELASTO-PLASTICITY RESPONSE OF STEEL. Journal of Japan Society of Civil Engineers Ser A2 (Applied Mechanics (AM)), 2020, 76, I_143-I_152.	0.1	6
12	Coupled damage-viscoplasticity model for metals under cyclic loading conditions. Procedia Structural Integrity, 2019, 18, 75-85.	0.8	2
13	Effect of tangential plasticity on structural response under non-proportional cyclic loading. Acta Mechanica, 2019, 230, 2425-2446.	2.1	9
14	Cyclic plasticity model for fatigue with softening behaviour below macroscopic yielding. Materials and Design, 2019, 165, 107573.	7.0	42
15	Numerical modeling of the evolution of ductile damage under proportional and non-proportional loading. International Journal of Solids and Structures, 2019, 160, 247-264.	2.7	20
16	Ductile damage evolution law for proportional and non-proportional loading conditions. Frattura Ed Integrita Strutturale, 2019, 13, 231-246.	0.9	4
17	EFFECT OF LOCAL MATERIALS AND GEOMETRIES OF WELD JOINT ROOT ON FATIGUE CRACK INITIATION AND PROPAGATION LIFE. Journal of Japan Society of Civil Engineers Ser A2 (Applied Mechanics (AM)), 2019, 75, I_467-I_476.	0.1	2
18	FATIGUE CRACK INITIATION AND PROPAGATION LIFE OF STEELS PREDICTED BY LOCAL ELASTOPLASTICITY RESPONSE. Journal of Japan Society of Civil Engineers Ser A2 (Applied Mechanics (AM)), 2019, 75, I_445-I_453.	0.1	5

#	ARTICLE	IF	CITATIONS
19	A return mapping algorithm for elastoplastic and ductile damage constitutive equations using the subloading surface method. International Journal for Numerical Methods in Engineering, 2018, 113, 1729-1754.	2.8	27
20	Evaluation of the ductile fracture of Q460 steel under two different failure criteria. Procedia Structural Integrity, 2018, 9, 126-135.	0.8	2
21	A numerical study of the return mapping application for the subloading surface model. Engineering Computations, 2018, 35, 1314-1343.	1.4	16
22	ASSESSMENT OF FATIGUE CRACK INITIATION LIFE OF JOINTS BY USING WELD POOR AND CYCLIC PLASTICITY ANALYSIS. Journal of Japan Society of Civil Engineers Ser A2 (Applied Mechanics (AM)), 2018, 74, I_337-I_347.	0.1	6
23	Numerical study of a welded plate instability using the subloading surface model. Marine Structures, 2017, 55, 104-120.	3.8	16
24	Closest-point projection method for the extended subloading surface model. Acta Mechanica, 2017, 228, 4213-4233.	2.1	33
25	Effect of the stress triaxiality and Lode angle on the ductile damage evolution. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2017, 35, 185s-189s.	0.5	9
26	Numerical and Experimental Study on Fatigue Life Extension of U-rib Steel Structure by Hammer Peening. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2017, 35, 169s-172s.	0.5	7
27	Ductile Damage Evolution under Non-Proportional Loading. Journal of Japan Society of Civil Engineers Ser A2 (Applied Mechanics (AM)), 2017, 73, I_355-I_361.	0.1	4
28	Development of Assessment Technology for Fatigue Strength of Weld Joints by a Numerical Simulation. Journal of Smart Processing, 2017, 6, 17-21.	0.1	0
29	Nonlinear Finite Element Analysis Considering Crystal Plasticity and Mechanically Induced Martensite Transformation. Yosetsu Gakkai Shi/Journal of the Japan Welding Society, 2017, 86, 443-447.	0.1	0
30	Numerical modelling of ductile damage mechanics coupled with an unconventional plasticity model. Frattura Ed Integrita Strutturale, 2016, 10, 231-236.	0.9	7
31	Tangential Plasticity Effect on Buckling Behavior of a Thin Wall Pier under Cyclic Loading Condition. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2015, 33, 161s-165s.	0.5	10
32	Cyclically Triggered Instability and Yield-vertex Effect on a Welded Plate Investigated by means of the Extended Subloading Surface Model with Tangential Plasticity. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2015, 33, 111s-115s.	0.5	5
33	A Crystal Plasticity FE Analysis Considering Mechanically Induced Martensitic Phase Transformation. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2015, 33, 102s-106s.	0.5	2
34	2912 ON CONVERGENCE RATE OF CUTTING-PLANE ALGORITHM IN NUMERICAL ANALYSES OF A CYCLIC PLASTICITY MODEL. The Proceedings of the Computational Mechanics Conference, 2013, 2013.26, _2912-1_-_2912-3_.	0.0	0
35	3D subsidence analyses above gas reservoirs accounting for an unconventional plasticity model. International Journal for Numerical and Analytical Methods in Geomechanics, 2012, 36, 959-976.	3.3	8