

# Raffaele Sepe

## List of Publications by Year in descending order

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56  
papers

1,032  
citations

516710

16  
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477307

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56  
docs citations

56  
times ranked

948  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid evaluation of notch stress intensity factors using the peak stress method with 3D tetrahedral finite element models: Comparison of commercial codes. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2022, 45, 1005-1034.	3.4	16
2	Fatigue behavior of hybrid and bonded single lap joints made of composite material. <i>Procedia Structural Integrity</i> , 2022, 41, 631-637.	0.8	3
3	Fatigue crack propagation for an aircraft compressor under input data variability. <i>Procedia Structural Integrity</i> , 2022, 41, 298-304.	0.8	5
4	Structural FEM Analyses of a Landing Gear Testing Machine. <i>Metals</i> , 2022, 12, 937.	2.3	3
5	Influence of position and building orientation on the static properties of LPBF specimens in 17-4 PH stainless steel. <i>Forces in Mechanics</i> , 2022, 8, 100108.	2.8	5
6	Numerical evaluation of temperature fields and residual stresses in butt weld joints and comparison with experimental measurements. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2021, 44, 182-198.	3.4	7
7	Stress corrosion cracking behavior of welding joint of high strength steel. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1038, 012055.	0.6	2
8	Deterministic fatigue crack-growth simulations for a railway axle by Dual Boundary Element Method. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1038, 012080.	0.6	4
9	Influence of thermo-mechanical material properties on the structural response of a welded butt-joint by FEM simulation and experimental tests. <i>Forces in Mechanics</i> , 2021, 4, 100018.	2.8	12
10	FEM Modelling Approaches of Bolt Connections for the Dynamic Analyses of an Automotive Engine. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4343.	2.5	6
11	FEM Simulation and Experimental Tests on the SMAW Welding of a Dissimilar T-Joint. <i>Metals</i> , 2021, 11, 1016.	2.3	18
12	Numerical investigation on the fracture failure of a railway axle. <i>Engineering Failure Analysis</i> , 2021, 129, 105680.	4.0	12
13	Static and fatigue behavior of laser welded additively manufactured 17-4 PH steel plates. <i>Procedia Structural Integrity</i> , 2021, 34, 172-177.	0.8	8
14	Probabilistic Analysis of Fatigue Behavior of Single Lap Riveted Joints. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3379.	2.5	15
15	Correlation between real geometry and tensile mechanical behaviour for Ti6Al4V electron beam melted thin specimens. <i>Theoretical and Applied Fracture Mechanics</i> , 2020, 107, 102519.	4.7	21
16	Design of a Bamboo Treadmill Bicycle Main Frame. <i>Macromolecular Symposia</i> , 2020, 389, 1900101.	0.7	5
17	Influences of Material Variations of Functionally Graded Pipe on the Bree Diagram. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2936.	2.5	5
18	Numerical and experimental validation of residual stresses of laser-welded joints and their influence on the fatigue behaviour. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2020, 43, 1126-1141.	3.4	24

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19	Experimental and FEM numerical assessment of multiaxial fatigue failure criteria for a rolling Stock's seats structure. <i>Engineering Failure Analysis</i> , 2019, 102, 303-317.	4.0	19
20	Numerical Investigation on the Influence of Tightening in Bolted Joints. <i>Procedia Structural Integrity</i> , 2019, 24, 746-757.	0.8	4
21	A computational strategy for damage-tolerant design of hollow shafts under mixed-mode loading condition. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2019, 42, 583-594.	3.4	3
22	Numerical FEM Evaluation for the Structural Behaviour of a Hybrid (bonded/bolted) Single-lap Composite Joint. <i>Procedia Structural Integrity</i> , 2018, 8, 137-153.	0.8	18
23	Influence of chemical treatments on mechanical properties of hemp fiber reinforced composites. <i>Composites Part B: Engineering</i> , 2018, 133, 210-217.	12.0	331
24	Dies for pressing metal powders to form helical gears. <i>Procedia Structural Integrity</i> , 2018, 12, 457-470.	0.8	1
25	3D strip model for continuous roll-forming process simulation. <i>Procedia Structural Integrity</i> , 2018, 12, 370-379.	0.8	6
26	A numerical procedure for evaluating physical parameters of ergonomic assessment for cart pushing/pulling tasks. <i>Procedia Structural Integrity</i> , 2018, 12, 304-316.	0.8	0
27	Established Numerical Techniques for the Structural Analysis of a Regional Aircraft Landing Gear. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-21.	1.8	11
28	Overview of fatigue life assessment of baffles in Wendelstein 7-X. <i>Fusion Engineering and Design</i> , 2018, 136, 292-297.	1.9	19
29	Numerical and experimental evaluation of stress relaxation in hybrid composite-metal bolted joints. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	3
30	A new approach to study the influence of the weld bead morphology on the fatigue behaviour of Ti-6Al-4V laser beam-welded butt joints. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 88, 75-88.	3.0	26
31	Analytical solutions for yield onset achievement in FGM thick walled cylindrical tubes undergoing thermomechanical loads. <i>Composites Part B: Engineering</i> , 2017, 116, 211-223.	12.0	20
32	Vibro-Acoustic Numerical Analysis for the Chain Cover of a Car Engine. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 610.	2.5	15
33	Numerical and Experimental Investigation on the Structural Behaviour of a Horizontal Stabilizer under Critical Aerodynamic Loading Conditions. <i>Advances in Materials Science and Engineering</i> , 2017, 2017, 1-12.	1.8	15
34	Multiaxial Fatigue Crack Propagation of an Edge Crack in a Cylindrical Specimen Undergoing Combined Tension-Torsion Loading. <i>Procedia Structural Integrity</i> , 2016, 2, 2706-2717.	0.8	7
35	Numerical and experimental investigation of residual strength of a LVI damaged CFRP omega stiffened panel with a cut-out. <i>Composites Part B: Engineering</i> , 2016, 102, 38-56.	12.0	32
36	Coupled FEM-DBEM Simulation of 3D Crack Growth under Fatigue Load Spectrum. <i>Procedia Structural Integrity</i> , 2016, 2, 2631-2642.	0.8	2

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37	Hybrid technique to assess the fatigue performance of multiple cracked FSW joints. Engineering Fracture Mechanics, 2016, 162, 38-50.	4.3	42
38	DBEM crack propagation in friction stir welded aluminum joints. Advances in Engineering Software, 2016, 101, 50-59.	3.8	40
39	Static and fatigue experimental tests on a full scale fuselage panel and FEM analyses. Frattura Ed Integrita Strutturale, 2016, 10, 534-550.	0.9	7
40	A robust approach for the determination of Gurson model parameters. Frattura Ed Integrita Strutturale, 2016, 10, 369-381.	0.9	2
41	Development and stress behaviour of an innovative refrigerated container with PCM for fresh and frozen goods. Multidiscipline Modeling in Materials and Structures, 2015, 11, 202-215.	1.3	13
42	Numerical Evaluation and Experimental Comparison of Elasto-plastic Stress-strain Distribution Around the Corner Cracks of a Notched Specimen. Procedia Engineering, 2015, 109, 285-295.	1.2	3
43	Crack Growth Behavior of Welded Stiffened Panel. Procedia Engineering, 2015, 109, 473-483.	1.2	22
44	Numerical study of the structural behaviour of impacted composite laminates subjected to compression load. Composites Part B: Engineering, 2015, 79, 456-465.	12.0	38
45	Static and modal numerical analyses for the roof structure of a railway freight refrigerated car. Frattura Ed Integrita Strutturale, 2015, 9, 451-462.	0.9	6
46	Finite-Element Simulation of Temperature Fields and Residual Stresses in Butt Welded Joints and Comparison With Experimental Measurements. , 2014, , .		13
47	Performance evaluation of CFRP-rubber shock absorbers. , 2014, , .		2
48	FML full scale aeronautic panel under multiaxial fatigue: Experimental test and DBEM Simulation. Engineering Fracture Mechanics, 2011, 78, 1717-1728.	4.3	38
49	The influence of thermal properties and preheating on residual stresses in welding. International Journal of Computational Materials Science and Surface Engineering, 2007, 1, 146.	0.2	33
50	Finite Element Analysis of Residual Stresses on Butt Welded Joints. , 2006, , 45.		6
51	Tensile Testing of Hybrid Composite Joints. Applied Mechanics and Materials, 0, 575, 452-456.	0.2	23
52	Fatigue Behaviour of Full Scale Flat Stiffened Aeronautic Panels. Key Engineering Materials, 0, 627, 97-100.	0.4	3
53	Evaluation by FEM of the Influence of the Preheating and Post-Heating Treatments on Residual Stresses in Welding. Key Engineering Materials, 0, 627, 93-96.	0.4	19
54	Effect of the Process Parameters on the Geometrical Defects of Ti-6Al-4V Hot Rolled Sheets Laser Beam Welded. Key Engineering Materials, 0, 651-653, 901-906.	0.4	3

#	ARTICLE	IF	CITATIONS
55	Evaluation of Residual Stresses in Butt Welded Joint of Dissimilar Material by FEM. Key Engineering Materials, 0, 754, 268-271.	0.4	15
56	Multiple Crack Propagation in Friction Stir Welded Aluminium Joints. , 0, , .		1