

Magnus Langseth

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11659912/publications.pdf>

Version: 2024-02-01

35
papers

1,208
citations

361045

20
h-index

433756

31
g-index

36
all docs

36
docs citations

36
times ranked

706
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of target thickness in blunt projectile penetration of Weldox 460 E steel plates. International Journal of Impact Engineering, 2003, 28, 413-464.	2.4	190
2	Perforation of AA5083-H116 aluminium plates with conical-nose steel projectiles – experimental study. International Journal of Impact Engineering, 2004, 30, 367-384.	2.4	143
3	Normal and oblique impact of small arms bullets on AA6082-T4 aluminium protective plates. International Journal of Impact Engineering, 2011, 38, 577-589.	2.4	109
4	Experimental and numerical study on the perforation of AA6005-T6 panels. International Journal of Impact Engineering, 2005, 32, 35-64.	2.4	87
5	Observations on shear plug formation in Weldox 460 E steel plates impacted by blunt-nosed projectiles. International Journal of Impact Engineering, 2001, 25, 553-572.	2.4	62
6	A shock tube facility to generate blast loading on structures. International Journal of Protective Structures, 2016, 7, 340-366.	1.4	60
7	Sensitivity of model parameters in stretch bending of aluminium extrusions. International Journal of Mechanical Sciences, 2001, 43, 427-453.	3.6	56
8	Ultimate strength of aluminium alloy outstands in compression: experiments and simplified analysis. Thin-Walled Structures, 1999, 34, 279-294.	2.7	52
9	Macroscopic strength and failure properties of flow-drill screw connections. Journal of Materials Processing Technology, 2015, 222, 1-12.	3.1	50
10	Stretch bending of aluminium extrusions for car bumpers. Journal of Materials Processing Technology, 2000, 102, 241-248.	3.1	38
11	Fluid-structure interaction effects during the dynamic response of clamped thin steel plates exposed to blast loading. International Journal of Mechanical Sciences, 2021, 195, 106263.	3.6	33
12	Impact against empty and water-filled X65 steel pipes – Experiments and simulations. International Journal of Impact Engineering, 2014, 71, 73-88.	2.4	30
13	Impact against X65 steel pipes – An experimental investigation. International Journal of Solids and Structures, 2013, 50, 3430-3445.	1.3	29
14	Macroscopic modelling of flow-drill screw connections in thin-walled aluminium structures. Thin-Walled Structures, 2016, 105, 185-206.	2.7	27
15	Testing and modelling of flow-drill screw connections under quasi-static loadings. Journal of Materials Processing Technology, 2018, 255, 724-738.	3.1	27
16	Static and dynamic testing and modelling of aluminium joints with flow-drill screw connections. International Journal of Impact Engineering, 2018, 115, 58-75.	2.4	27
17	A through-thickness damage regularisation scheme for shell elements subjected to severe bending and membrane deformations. Journal of the Mechanics and Physics of Solids, 2019, 123, 190-206.	2.3	27
18	Design of experiments to identify material properties. Materials & Design, 2000, 21, 477-492.	5.1	24

#	ARTICLE	IF	CITATIONS
19	Stretch Bending of Aluminum Extrusions: Effect of Geometry and Alloy. Journal of Engineering Mechanics - ASCE, 1999, 125, 392-400.	1.6	22
20	The behaviour of an offshore steel pipeline material subjected to bending and stretching. Ships and Offshore Structures, 2012, 7, 371-387.	0.9	22
21	Quasi-static and dynamic indentation of offshore pipelines with and without multi-layer polymeric coating. Marine Structures, 2018, 62, 60-76.	1.6	21
22	Stretch Bending of Aluminum Extrusions: Effect of Tensile Sequence. Journal of Engineering Mechanics - ASCE, 1999, 125, 521-529.	1.6	18
23	On the effect of pilot holes on the mechanical behaviour of flow-drill screw joints. Experimental tests and mesoscale numerical simulations. Journal of Materials Processing Technology, 2021, 294, 117133.	3.1	13
24	Combined three-point bending and axial tension of pressurised and unpressurised X65 offshore steel pipes – Experiments and simulations. Marine Structures, 2018, 61, 560-577.	1.6	11
25	Sandwich Panels with Polymeric Foam Cores Exposed to Blast Loading: An Experimental and Numerical Investigation. Applied Sciences (Switzerland), 2020, 10, 9061.	1.3	11
26	Macroscopic Modelling of Flow-Drill Screw Connections. Key Engineering Materials, 2016, 710, 143-148.	0.4	4
27	Design of I Beams and Deck Profiles under Concentrated Loading. Journal of Structural Engineering, 2004, 130, 411-422.	1.7	3
28	How placement of nut determines failure mode of bolt-and-nut assemblies. Steel Construction, 2017, 10, 241-247.	0.4	3
29	Finite element analysis of porous polymer coated pipelines subjected to impact. International Journal of Impact Engineering, 2021, 152, 103825.	2.4	3
30	Behaviour of plated structures subjected to blast loading. EPJ Web of Conferences, 2015, 94, 01015.	0.1	2
31	A novel tests set-up for validation of connector models subjected to static and impact loadings. International Journal of Impact Engineering, 2021, 158, 103978.	2.4	2
32	On the main mechanisms in ballistic perforation of steel plates at sub-ordnance impact velocities. , 2009, , 189-219.		2
33	Transverse Deformation of Pressurised Pipes With Different Axial Loads. , 2017, , .		0
34	Quasi-Static and Dynamic Deformation of Polymer Coated Pipes. , 2017, , .		0
35	A Shock Tube Used to Study the Dynamic Response of Blast-Loaded Plates. Proceedings (mdpi), 2018, 2, .	0.2	0