

# Petri Varsta

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

622  
citations

623734

14  
h-index

794594

19  
g-index

20  
all docs

20  
docs citations

20  
times ranked

327  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design space for bifurcation buckling of laser-welded web-core sandwich plates as predicted by classical and micropolar plate theories. <i>Annals of Solid and Structural Mechanics</i> , 2020, 12, 73-87.	0.5	2
2	A review on non-classical continuum mechanics with applications in marine engineering. <i>Mechanics of Advanced Materials and Structures</i> , 2020, 27, 1065-1075.	2.6	7
3	Limit State Analyses in Design of Thin-Walled Marine Structures – Some Aspects on Length-Scales. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2020, 142, .	1.2	1
4	Limit State Analyses in Design of Thin-Walled Marine Structures: Some Aspects on Length-Scales. , 2018, , .		0
5	Factors affecting the fatigue strength of thin-plates in large structures. <i>International Journal of Fatigue</i> , 2017, 101, 397-407.	5.7	24
6	Hull-superstructure interaction in optimised passenger ships. <i>Ships and Offshore Structures</i> , 2013, 8, 612-620.	1.9	16
7	Numerical and experimental investigation on the collision resistance of the X-core structure. <i>Ships and Offshore Structures</i> , 2012, 7, 21-29.	1.9	43
8	Continuum approach to fatigue crack initiation and propagation in welded steel joints. <i>International Journal of Fatigue</i> , 2012, 40, 16-26.	5.7	29
9	Interaction between web-core sandwich deck and hull girder of passenger ship. <i>Marine Systems and Ocean Technology</i> , 2011, 6, 39-45.	1.0	8
10	Numerical and experimental motion simulations of nonsymmetric ship collisions. <i>Journal of Marine Science and Technology</i> , 2010, 15, 87-101.	2.9	28
11	Statistics of Weld Geometry for Laser-Hybrid Welded Joints and its Application within Notch Stress Approach. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2010, 54, R189-R207.	2.5	34
12	Sloshing interaction in ship collisions – An experimental and numerical study. <i>Ocean Engineering</i> , 2009, 36, 1366-1376.	4.3	24
13	Strain and stress relation for non-linear finite element simulations. <i>Thin-Walled Structures</i> , 2009, 47, 1203-1217.	5.3	55
14	Analytical modelling of ship collision based on full-scale experiments. <i>Marine Structures</i> , 2009, 22, 42-61.	3.8	45
15	The stiffness of laser stake welded T-joints in web-core sandwich structures. <i>Thin-Walled Structures</i> , 2007, 45, 453-462.	5.3	63
16	Stress analysis of homogenized web-core sandwich beams. <i>Composite Structures</i> , 2007, 79, 411-422.	5.8	37
17	Bending response of web-core sandwich plates. <i>Composite Structures</i> , 2007, 81, 292-302.	5.8	96
18	Laser-welded web-core sandwich plates under patch loading. <i>Marine Structures</i> , 2007, 20, 25-48.	3.8	31

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19	Bending response of web-core sandwich beams. <i>Composite Structures</i> , 2006, 73, 478-487.	5.8	48
20	A theory of coupled beams for strength assessment of passenger ships. <i>Marine Structures</i> , 2004, 17, 590-611.	3.8	31