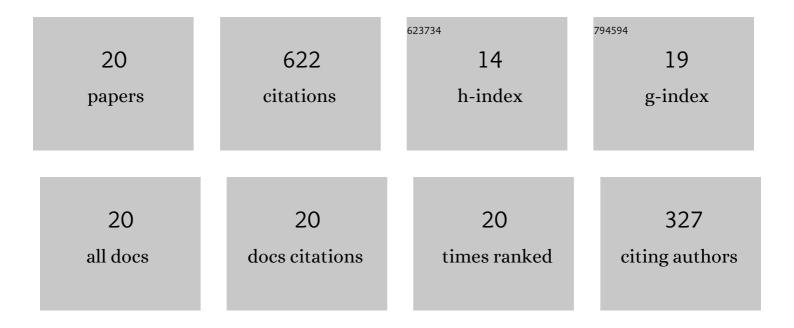
## Petri Varsta

List of Publications by Year in descending order

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**Δετρι** *Μ*αρςτα

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

| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Bending response of web-core sandwich beams. Composite Structures, 2006, 73, 478-487.                       | 5.8 | 48        |
| 20 | A theory of coupled beams for strength assessment of passenger ships. Marine Structures, 2004, 17, 590-611. | 3.8 | 31        |