Ivo Senjanovic

List of Publications by Year in descending order

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Version: 2024-02-01

39 papers	538 citations	623734 14 h-index	677142 22 g-index
39 all docs	39 docs citations	39 times ranked	334 citing authors

#	Article	IF	Citations
1	Numerical method for the vibration analysis of pre-swirl stator. Ships and Offshore Structures, 2021, 16, 256-265.	1.9	5
2	Ring Buckling Analysis Based on the Toroidal Shell Theory. Transactions of Famena, 2020, 44, 1-12.	0.6	0
3	Validation of analytical methods for the estimation of the torsional vibrations of ship power transmission systems. Ocean Engineering, 2019, 184, 107-120.	4.3	9
4	Structural Integrity of an Aged Oil Tanker Converted Into the Port Oil Storage. Transactions of Famena, 2019, 43, 65-77.	0.6	1
5	Buckling Analysis of Toroidal Shell by Rayleigh-Ritz Method. Journal of Pressure Vessel Technology, Transactions of the ASME, 2019, 141, .	0.6	1
6	Pressure and rotation induced tensional forces of toroidal shell and their influence on natural vibrations. Mechanics Research Communications, 2019, 96, 1-6.	1.8	4
7	A Finite Strip for the Vibration Analysis of Rotating Toroidal Shell Under Internal Pressure. Journal of Vibration and Acoustics, Transactions of the ASME, 2019, 141, .	1.6	8
8	Analytical procedures for torsional vibration analysis of ship power transmission system. Engineering Structures, 2019, 178, 227-244.	5.3	16
9	A finite strip for the vibration analysis of rotating cylindrical shells. Thin-Walled Structures, 2018, 122, 158-172.	5.3	22
10	Prediction of Noise Performance of Ro-Ro Passenger Ship by the Hybrid Statistical Energy Analysi. Journal of Maritime & Transportation Science, 2018, 2, 29-45.	0.1	0
11	Vibration analysis of rotating toroidal shell by the Rayleigh-Ritz method and Fourier series. Engineering Structures, 2018, 173, 870-891.	5.3	31
12	Dynamic finite element formulations for moderately thick plate vibrations based on the modified Mindlin theory. Engineering Structures, 2017, 136, 100-113.	5.3	4
13	An Analytical Solution to Free Rectangular Plate Natural Vibrations by Beam Modes â€“ Ordinary and Missing Plate Modes. Transactions of Famena, 2016, 40, 1-18.	0.6	5
14	Conforming shear-locking-free four-node rectangular finite element of moderately thick plate. Journal of the Mechanical Behavior of Materials, 2016, 25, 141-152.	1.8	1
15	On new first-order shear deformation plate theories. Mechanics Research Communications, 2016, 73, 31-38.	1.8	14
16	New first order shear deformation beam theory with in-plane shear influence. Engineering Structures, 2016, 110, 169-183.	5.3	9
17	A new finite element formulation for vibration analysis of thick plates. International Journal of Naval Architecture and Ocean Engineering, 2015, 7, 324-345.	2.3	16
18	An approximate analytical procedure for natural vibration analysis of free rectangular plates. Thin-Walled Structures, 2015, 95, 101-114.	5.3	7

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19	Nonlocal vibration of a carbon nanotube embedded in an elastic medium due to moving nanoparticle analyzed by modified Timoshenko beam theory-parametric excitation and spectral response. Journal of the Mechanical Behavior of Materials, 2014, 23, 109-128.	1.8	2
20	Global hydroelastic analysis of ultra large container ships by improved beam structural model. International Journal of Naval Architecture and Ocean Engineering, 2014, 6, 1041-1063.	2.3	28
21	Vibration Analysis of Thick Plates: Analytical and Numerical Approaches. , 2014, , .		2
22	Modified Mindlin plate theory and shear locking-free finite element formulation. Mechanics Research Communications, 2014, 55, 95-104.	1.8	32
23	Some aspects of structural modelling and restoring stiffness in hydroelastic analysis of large container ships. Ships and Offshore Structures, 2014, 9, 199-217.	1.9	29
24	An advanced theory of moderately thick plate vibrations. Journal of Sound and Vibration, 2013, 332, 1868-1880.	3.9	44
25	Analytical Solution for Free Vibrations of a Moderately Thick Rectangular Plate. Mathematical Problems in Engineering, 2013, 2013, 1-13.	1.1	11
26	Physical insight into Timoshenko beam theory and its modification with extension. Structural Engineering and Mechanics, 2013, 48, 519-545.	1.0	19
27	Formulation of consistent restoring stiffness in ship hydroelastic analysis. Journal of Engineering Mathematics, 2012, 72, 141-157.	1.2	11
28	Beam Structural Modelling in Hydroelastic Analysis of Ultra Large Container Ships. , 2011, , .		3
29	Investigation of torsion, warping and distortion of large container ships. Ocean Systems Engineering, 2011, 1, 73-93.	0.5	9
30	Hydroelasticity of large container ships. Marine Structures, 2009, 22, 287-314.	3.8	37
31	Reply to Prof. Riggsâ€™ discussion on paper â€œInvestigation of Ship Hydroelasticityâ€•by I. SenjanoviÄ‡, Å. Malenica, S. TomaÅ¡eviÄ‡. Ocean Engineering, 2008, 35, 1287-1288.	4.3	4
32	Role of transverse bulkheads in hull stiffness of large container ships. Engineering Structures, 2008, 30, 2492-2509.	5.3	19
33	An explicit formulation for restoring stiffness and its performance in ship hydroelasticity. Ocean Engineering, 2008, 35, 1322-1338.	4.3	29
34	Investigation of ship hydroelasticity. Ocean Engineering, 2008, 35, 523-535.	4.3	63
35	On torsional and warping stiffness of thin-walled girders. Thin-Walled Structures, 1991, 11, 233-276.	5.3	9
36	Pontoon Torsional Strength Analysis Related to Ships with Large Deck Openings. Journal of Ship Research, 1991, 35, 339-351.	1.1	8

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37	On modelling of thin-walled girders and accuracy of vibration analysis performed by the finite element technique related to ship structures. Computers and Structures, 1990, 34, 603-614.	4.4	4
38	A higher-order flexural beam theory. Computers and Structures, 1989, 32, 973-986.	4.4	16
39	Investigation of Effective Bending and Shear Stiffness of Thin-Walled Girders Related to Ship Hull Vibration Analysis. Journal of Ship Research, 1989, 33, 298-309.	1.1	6