

Ivo Senjanovic

List of Publications by Year in descending order

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papers

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of ship hydroelasticity. <i>Ocean Engineering</i> , 2008, 35, 523-535.	4.3	63
2	An advanced theory of moderately thick plate vibrations. <i>Journal of Sound and Vibration</i> , 2013, 332, 1868-1880.	3.9	44
3	Hydroelasticity of large container ships. <i>Marine Structures</i> , 2009, 22, 287-314.	3.8	37
4	Modified Mindlin plate theory and shear locking-free finite element formulation. <i>Mechanics Research Communications</i> , 2014, 55, 95-104.	1.8	32
5	Vibration analysis of rotating toroidal shell by the Rayleigh-Ritz method and Fourier series. <i>Engineering Structures</i> , 2018, 173, 870-891.	5.3	31
6	An explicit formulation for restoring stiffness and its performance in ship hydroelasticity. <i>Ocean Engineering</i> , 2008, 35, 1322-1338.	4.3	29
7	Some aspects of structural modelling and restoring stiffness in hydroelastic analysis of large container ships. <i>Ships and Offshore Structures</i> , 2014, 9, 199-217.	1.9	29
8	Global hydroelastic analysis of ultra large container ships by improved beam structural model. <i>International Journal of Naval Architecture and Ocean Engineering</i> , 2014, 6, 1041-1063.	2.3	28
9	A finite strip for the vibration analysis of rotating cylindrical shells. <i>Thin-Walled Structures</i> , 2018, 122, 158-172.	5.3	22
10	Role of transverse bulkheads in hull stiffness of large container ships. <i>Engineering Structures</i> , 2008, 30, 2492-2509.	5.3	19
11	Physical insight into Timoshenko beam theory and its modification with extension. <i>Structural Engineering and Mechanics</i> , 2013, 48, 519-545.	1.0	19
12	A higher-order flexural beam theory. <i>Computers and Structures</i> , 1989, 32, 973-986.	4.4	16
13	A new finite element formulation for vibration analysis of thick plates. <i>International Journal of Naval Architecture and Ocean Engineering</i> , 2015, 7, 324-345.	2.3	16
14	Analytical procedures for torsional vibration analysis of ship power transmission system. <i>Engineering Structures</i> , 2019, 178, 227-244.	5.3	16
15	On new first-order shear deformation plate theories. <i>Mechanics Research Communications</i> , 2016, 73, 31-38.	1.8	14
16	Formulation of consistent restoring stiffness in ship hydroelastic analysis. <i>Journal of Engineering Mathematics</i> , 2012, 72, 141-157.	1.2	11
17	Analytical Solution for Free Vibrations of a Moderately Thick Rectangular Plate. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-13.	1.1	11
18	On torsional and warping stiffness of thin-walled girders. <i>Thin-Walled Structures</i> , 1991, 11, 233-276.	5.3	9

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19	New first order shear deformation beam theory with in-plane shear influence. Engineering Structures, 2016, 110, 169-183.	5.3	9
20	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
21	Investigation of torsion, warping and distortion of large container ships. Ocean Systems Engineering, 2011, 1, 73-93.	0.5	9
22	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
23	Pontoon Torsional Strength Analysis Related to Ships with Large Deck Openings. Journal of Ship Research, 1991, 35, 339-351.	1.1	8
24	An approximate analytical procedure for natural vibration analysis of free rectangular plates. Thin-Walled Structures, 2015, 95, 101-114.	5.3	7
25	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
26	An Analytical Solution to Free Rectangular Plate Natural Vibrations by Beam Modes " Ordinary and Missing Plate Modes. Transactions of Famena, 2016, 40, 1-18.	0.6	5
27	Numerical method for the vibration analysis of pre-swirl stator. Ships and Offshore Structures, 2021, 16, 256-265.	1.9	5
28	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
29	Reply to Prof. Riggs's discussion on paper "Investigation of Ship Hydroelasticity" by I. Senjanović, A. Malenica, S. Tomašević. Ocean Engineering, 2008, 35, 1287-1288.	4.3	4
30	Dynamic finite element formulations for moderately thick plate vibrations based on the modified Mindlin theory. Engineering Structures, 2017, 136, 100-113.	5.3	4
31	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
32	Beam Structural Modelling in Hydroelastic Analysis of Ultra Large Container Ships. , 2011, , .		3
33	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
34	Vibration Analysis of Thick Plates: Analytical and Numerical Approaches. , 2014, , .		2
35	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
36	Structural Integrity of an Aged Oil Tanker Converted Into the Port Oil Storage. Transactions of Famena, 2019, 43, 65-77.	0.6	1

#	ARTICLE	IF	CITATIONS
37	Buckling Analysis of Toroidal Shell by Rayleigh-Ritz Method. Journal of Pressure Vessel Technology, Transactions of the ASME, 2019, 141, .	0.6	1
38	Prediction of Noise Performance of Ro-Ro Passenger Ship by the Hybrid Statistical Energy Analysis. Journal of Maritime & Transportation Science, 2018, 2, 29-45.	0.1	0
39	Ring Buckling Analysis Based on the Toroidal Shell Theory. Transactions of Famena, 2020, 44, 1-12.	0.6	0