

Andrus Salupere

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	SOLVING NONLINEAR PDES USING THE HIGHER ORDER HAAR WAVELET METHOD ON NONUNIFORM AND ADAPTIVE GRIDS. <i>Mathematical Modelling and Analysis</i> , 2021, 26, 147-169.	0.7	19
2	Solving Nonlinear Boundary Value Problems Using the Higher Order Haar Wavelet Method. <i>Mathematics</i> , 2021, 9, 2809.	1.1	11
3	APPLICATION OF HIGHER ORDER HAAR WAVELET METHOD FOR SOLVING NONLINEAR EVOLUTION EQUATIONS. <i>Mathematical Modelling and Analysis</i> , 2020, 25, 271-288.	0.7	17
4	On solitonic solutions for the hyperelastic rod equation. <i>Wave Motion</i> , 2019, 91, 102404.	1.0	1
5	Emergence of Solitonic Structures in Hierarchical Kortewegâ€“de Vries Systems. <i>Mathematics of Planet Earth</i> , 2019, , 89-124.	0.1	0
6	On Nonlinear Waves in Media with Complex Properties. <i>Advanced Structured Materials</i> , 2018, , 275-286.	0.3	2
7	On the application of 2D discrete spectral analysis in case of the KP equation. <i>Mechanics Research Communications</i> , 2018, 93, 141-147.	1.0	3
8	Solitary waves for Non-Destructive Testing applications: Delayed nonlinear time reversal signal processing optimization. <i>Wave Motion</i> , 2017, 71, 101-112.	1.0	19
9	Simulation of Detecting Contact Nonlinearity in Carbon Fibre Polymer Using Ultrasonic Nonlinear Delayed Time Reversal. <i>Acta Acustica United With Acustica</i> , 2017, 103, 978-986.	0.8	4
10	Acousto-Mechanical Instrumentation of Multiscale Hysteretic Memristive Properties of the Skin with Nonlinear Time Reversal Imaging. , 2017, , .		0
11	Focusing aspects of delayed Time Reversal based Nonlinear Elastic Wave Spectroscopy methods. , 2016, , .		1
12	On hidden solitons in KdV related systems. <i>Mathematics and Computers in Simulation</i> , 2016, 127, 252-262.	2.4	2
13	Simulation of solitary wave propagation in carbon fibre reinforced polymer. <i>Proceedings of the Estonian Academy of Sciences</i> , 2015, 64, 297.	0.9	9
14	Scaling and hierarchies of wave motion in solids. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2014, 94, 775-783.	0.9	1
15	On solitons in media modelled by the hierarchical KdV equation. <i>Archive of Applied Mechanics</i> , 2014, 84, 1583-1593.	1.2	5
16	Dispersive waves in microstructured solids. <i>International Journal of Solids and Structures</i> , 2013, 50, 1981-1990.	1.3	58
17	On the influence of material properties on the wave propagation in Mindlin-type microstructured solids. <i>Wave Motion</i> , 2013, 50, 1127-1139.	1.0	6
18	Deformation waves in microstructured solids and dimensionless parameters. <i>Proceedings of the Estonian Academy of Sciences</i> , 2013, 62, 109.	0.9	3

#	ARTICLE	IF	CITATIONS
19	Soliton ensembles and solitonic structures. <i>Applicable Analysis</i> , 2012, 91, 237-250.	0.6	1
20	On the propagation of 1D solitary waves in Mindlin-type microstructured solids. <i>Mathematics and Computers in Simulation</i> , 2012, 82, 1308-1320.	2.4	8
21	Numerical simulation of propagation of solitary deformation waves in a compressible hyperelastic rod. <i>Mathematics and Computers in Simulation</i> , 2012, 82, 1348-1362.	2.4	6
22	Waves in microstructured solids and the Boussinesq paradigm. <i>Wave Motion</i> , 2011, 48, 717-726.	1.0	47
23	On the propagation of solitary waves in Mindlin-type microstructured solids. <i>Proceedings of the Estonian Academy of Sciences</i> , 2010, 59, 118.	0.9	4
24	Numerical Simulation of Interaction of Solitons and Solitary Waves in Granular Materials. <i>Lecture Notes in Applied and Computational Mechanics</i> , 2010, , 21-28.	2.0	3
25	On modelling wave motion in microstructured solids. <i>Proceedings of the Estonian Academy of Sciences</i> , 2009, 58, 241.	0.9	14
26	Propagation of sech ² -type solitary waves in hierarchical KdV-type systems. <i>Mathematics and Computers in Simulation</i> , 2009, 79, 3314-3327.	2.4	20
27	The Pseudospectral Method and Discrete Spectral Analysis. , 2009, , 301-333.		20
28	Numerical simulation of interaction of solitary deformation waves in microstructured solids. <i>International Journal of Non-Linear Mechanics</i> , 2008, 43, 201-208.	1.4	17
29	On Numerical Simulation of Propagation of Solitons in Microstructured Media. , 2008, , .		0
30	Nonlinear deformation waves in solids and dispersion. <i>Wave Motion</i> , 2007, 44, 493-500.	1.0	32
31	On the propagation of solitary pulses in microstructured materials. <i>Chaos, Solitons and Fractals</i> , 2006, 29, 202-214.	2.5	11
32	On solitons in microstructured solids and granular materials. <i>Mathematics and Computers in Simulation</i> , 2005, 69, 502-513.	2.4	14
33	Propagation of sech ² -type solitary waves in higher-order KdV-type systems. <i>Chaos, Solitons and Fractals</i> , 2005, 26, 453-465.	2.5	9
34	On the problem of periodicity and hidden solitons for the KdV model. <i>Chaos</i> , 2005, 15, 015114.	1.0	19
35	On the long-time behaviour of soliton ensembles. <i>Mathematics and Computers in Simulation</i> , 2003, 62, 137-147.	2.4	24
36	Long-time behaviour of soliton ensembles. Part II – Periodical patterns of trajectories. <i>Chaos, Solitons and Fractals</i> , 2003, 15, 29-40.	2.5	23

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37	Long-time behaviour of soliton ensembles. Part I – Emergence of ensembles. Chaos, Solitons and Fractals, 2002, 14, 1413-1424.	2.5	29
38	Solitonic structures in KdV-based higher-order systems. Wave Motion, 2001, 34, 51-61.	1.0	33
39	On the KdV soliton formation and discrete spectral analysis. Wave Motion, 1996, 23, 49-66.	1.0	37
40	Korteweg-de Vries soliton detection from a harmonic input. Physics Letters, Section A: General, Atomic and Solid State Physics, 1994, 192, 5-8.	0.9	19
41	Optimal design of rigid-plastic annular plates with piecewise constant thickness. Structural Optimization, 1992, 4, 186-192.	0.7	1