

K R Khusnutdinova

List of Publications by Year in descending order

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29
papers

551
citations

623574

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642610

23
g-index

30
all docs

30
docs citations

30
times ranked

196
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrodynamic reductions of multidimensional dispersionless PDEs: The test for integrability. Journal of Mathematical Physics, 2004, 45, 2365-2377.	0.5	55
2	The characterization of two-component (2+1)-dimensional integrable systems of hydrodynamic type. Journal of Physics A, 2004, 37, 2949-2963.	1.6	47
3	Soliton solutions to the fifth-order Kortewegâ€“de Vries equation and their applications to surface and internal water waves. Physics of Fluids, 2018, 30, .	1.6	46
4	Fission of a longitudinal strain solitary wave in a delaminated bar. Physical Review E, 2008, 77, 066603.	0.8	44
5	Nonlinear layered lattice model and generalized solitary waves in imperfectly bonded structures. Physical Review E, 2009, 79, 056606.	0.8	43
6	Splitting induced generation of soliton trains in layered waveguides. Journal of Applied Physics, 2010, 107, 034909.	1.1	34
7	Bulk strain solitary waves in bonded layered polymeric bars with delamination. Journal of Applied Physics, 2012, 112, .	1.1	34
8	Coupled Ostrovsky equations for internal waves in a shear flow. Physics of Fluids, 2014, 26, .	1.6	28
9	Comparison of the effect of cyanoacrylate- and polyurethane-based adhesives on a longitudinal strain solitary wave in layered polymethylmethacrylate waveguides. Journal of Applied Physics, 2008, 104, 086106.	1.1	26
10	On radiating solitary waves in bi-layers with delamination and coupled Ostrovsky equations. Chaos, 2017, 27, 013112.	1.0	20
11	On strongly interacting internal waves in a rotating ocean and coupled Ostrovsky equations. Chaos, 2013, 23, 023121.	1.0	19
12	Classification of Integrable (2+1)-Dimensional Quasilinear Hierarchies. Theoretical and Mathematical Physics(Russian Federation), 2005, 144, 907-915.	0.3	18
13	On the integrable elliptic cylindrical Kadomtsev-Petviashvili equation. Chaos, 2013, 23, 013126.	1.0	18
14	On Linear Degeneracy of Integrable Quasilinear Systems in Higher Dimensions. Letters in Mathematical Physics, 2011, 96, 5-35.	0.5	15
15	Modelling of nonlinear wave scattering in a delaminated elastic bar. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2015, 471, 20150584.	1.0	15
16	Longitudinal Strain Solitary Wave in a Twoâ€“Layered Polymeric Bar. Strain, 2010, 46, 589-598.	1.4	13
17	Observation of a radiating bulk strain soliton in a solid-state waveguide. Technical Physics, 2011, 56, 889-892.	0.2	9
18	Validity of the Weakly Nonlinear Solution of the Cauchy Problem for the Boussinesqâ€“Type Equation. Studies in Applied Mathematics, 2014, 133, 52-83.	1.1	9

#	ARTICLE	IF	CITATIONS
19	Undular bores generated by fracture. <i>Physical Review E</i> , 2021, 104, 044207.	0.8	9
20	Coupled Kleinâ€“Gordon equations and energy exchange in two-component systems. <i>European Physical Journal: Special Topics</i> , 2007, 147, 45-72.	1.2	8
21	Radiating solitary waves in coupled Boussinesq equations. <i>IMA Journal of Applied Mathematics</i> , 2017, 82, 802-820.	0.8	8
22	D'Alembertâ€“type solution of the Cauchy problem for the Boussinesqâ€“Kleinâ€“Gordon equation. <i>Studies in Applied Mathematics</i> , 2019, 142, 551.	1.1	7
23	Longitudinal bulk strain solitons in a hyperelastic rod with quadratic and Cubic nonlinearities. <i>Theoretical and Mathematical Physics(Russian Federation)</i> , 2020, 202, 319-333.	0.3	7
24	The Influence of Modulational Instability on Energy Exchange in Coupled Sine-Gordon Equations. <i>Theoretical and Mathematical Physics(Russian Federation)</i> , 2003, 137, 1448-1458.	0.3	6
25	Nonlinear long-wave models for imperfectly bonded layered waveguides. <i>Theoretical and Mathematical Physics(Russian Federation)</i> , 2009, 159, 819-832.	0.3	5
26	Weakly non-linear extension of d'Alembert's formula. <i>IMA Journal of Applied Mathematics</i> , 2012, 77, 361-381.	0.8	5
27	Wavefronts and modal structure of long surface and internal ring waves on a parallel shear current. <i>Journal of Fluid Mechanics</i> , 2021, 927, .	1.4	2
28	Preface: Nonlinear waves in fluids in honor of Roger Grimshaw on the occasion of his 80th birthday. <i>Studies in Applied Mathematics</i> , 2019, 142, 215-218.	1.1	0
29	Preface: Nonlinear waves in fluids in honor of Roger Grimshaw on the occasion of his 80th birthday: Part II. <i>Studies in Applied Mathematics</i> , 2019, 142, 417-418.	1.1	0