

# Xi-zhong Liu

## List of Publications by Citations

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25  
papers

101  
citations

6  
h-index

8  
g-index

26  
ext. papers

108  
ext. citations

2.2  
avg, IF

2.99  
L-index

#	Paper	IF	Citations
25	Nonlocal Symmetry Reductions, CTE Method and Exact Solutions for Higher-Order KdV Equation. <i>Communications in Theoretical Physics</i> , <b>2015</b> , 63, 125-128	2.4	23
24	Nonlocal Symmetries and Interaction Solutions for Potential Kadomtsev-Petviashvili Equation. <i>Communications in Theoretical Physics</i> , <b>2016</b> , 65, 341-346	2.4	12
23	New Bäcklund transformations of the (2+1)-dimensional Bogoyavlenskii equation via localization of residual symmetries. <i>Computers and Mathematics With Applications</i> , <b>2018</b> , 76, 1669-1679	2.7	11
22	New interaction solutions from residual symmetry reduction and consistent Riccati expansion of the (2 (varvec{+}) 1)-dimensional Boussinesq equation. <i>Nonlinear Dynamics</i> , <b>2018</b> , 92, 1469-1479	5	10
21	Bäcklund transformations for the Burgers equation via localization of residual symmetries. <i>Chinese Physics B</i> , <b>2014</b> , 23, 110203	1.2	8
20	Residual symmetry, CRE integrability and interaction solutions of the (3+1)-dimensional breaking soliton equation. <i>Physica Scripta</i> , <b>2018</b> , 93, 085201	2.6	6
19	New Bäcklund transformations of the (2 + 1)-dimensional Burgers system related to residual symmetry. <i>European Physical Journal Plus</i> , <b>2018</b> , 133, 1	3.1	4
18	New solutions from nonlocal symmetry of the generalized fifth order KdV equation. <i>Chinese Physics B</i> , <b>2015</b> , 24, 080202	1.2	3
17	Solving Supersymmetric Hirota-Batsuma Equation by a Direct Bosonization Approach. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2013</b> , 68, 539-546	1.4	3
16	A nonlocal nonlinear Schrödinger equation derived from a two-layer fluid model. <i>Nonlinear Dynamics</i> , <b>2019</b> , 96, 2103-2114	5	2
15	Residual symmetry reductions and interaction solutions of the (2+1)-dimensional Burgers equation. <i>Chinese Physics B</i> , <b>2015</b> , 24, 010203	1.2	2
14	A nonlocal variable coefficient KdV equation: Bäcklund transformation and nonlinear waves. <i>European Physical Journal Plus</i> , <b>2020</b> , 135, 1	3.1	2
13	Residual Symmetry Reduction and Consistent Riccati Expansion to a Nonlinear Evolution Equation. <i>Complexity</i> , <b>2019</b> , 2019, 1-9	1.6	2
12	New interaction solutions of the Kadomtsev-Petviashvili equation. <i>Chinese Physics B</i> , <b>2014</b> , 23, 100201	1.2	2
11	Residual symmetry analysis and CRE integrability of the (3 + 1) -dimensional Burgers system. <i>European Physical Journal Plus</i> , <b>2018</b> , 133, 1	3.1	2
10	Residual Symmetry Reduction and Consistent Riccati Expansion of the Generalized Kaup-Kupershmidt Equation. <i>Communications in Theoretical Physics</i> , <b>2018</b> , 69, 625	2.4	2
9	Dust acoustic waves in collisional uniform dense magnetoplasma. <i>Chinese Physics B</i> , <b>2017</b> , 26, 015202	1.2	1

8	Drift vortices in inhomogeneous collisional dusty magnetoplasma. <i>Chinese Physics B</i> , <b>2017</b> , 26, 065202	1.2	1
7	Explicit solutions from residual symmetry of the Boussinesq equation. <i>Chinese Physics B</i> , <b>2015</b> , 24, 030202	2	1
6	New Interaction Solutions of (3+1)-Dimensional KP and (2+1)-Dimensional Boussinesq Equations. <i>Abstract and Applied Analysis</i> , <b>2015</b> , 2015, 1-7	0.7	1
5	Approximate Similarity Reduction for Perturbed Kaup-Bupersmidt Equation via Lie Symmetry Method and Direct Method. <i>Communications in Theoretical Physics</i> , <b>2010</b> , 54, 797-802	2.4	1
4	Approximate similarity reduction for the perturbed mKdV equation via symmetry perturbation and direct method. <i>Journal of Physics A: Mathematical and Theoretical</i> , <b>2010</b> , 43, 265203	2	1
3	A Study on Lump and Interaction Solutions to a (3 + 1)-Dimensional Soliton Equation. <i>Complexity</i> , <b>2019</b> , 2019, 1-12	1.6	1
2	Conservation Laws Related to the Kac-Moody-Virasoro Structure of the Potential Nizhnik-Novikov-Veselov Equation. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2011</b> , 66, 297-303	1.4	
1	A study on a nonlocal coupled KdV system. <i>Nonlinear Dynamics</i> , 1	5	