

# Motlatsi Molati

## List of Publications by Year in descending order

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16  
papers

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citations

1478505

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h-index

1372567

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docs citations

16  
times ranked

66  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rayleigh problem for a MHD Sisko fluid. <i>Nonlinear Analysis: Real World Applications</i> , 2009, 10, 3428-3434.	1.7	19
2	Symmetry classification of the Gardner equation with time-dependent coefficients arising in stratified fluids. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012, 17, 1542-1548.	3.3	19
3	Symmetry classification and invariant solutions of the variable coefficient BBM equation. <i>Applied Mathematics and Computation</i> , 2013, 219, 7917-7922.	2.2	10
4	Exact solutions of nonlinear diffusion-convection-reaction equation: A Lie symmetry analysis approach. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019, 67, 253-263.	3.3	10
5	Lie Group Classification of a Generalized Lane-Emden Type System in Two Dimensions. <i>Journal of Applied Mathematics</i> , 2012, 2012, 1-10.	0.9	7
6	Group Classification of a General Bond-Option Pricing Equation of Mathematical Finance. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-10.	0.7	7
7	A group classification of the general second-order coupled diffusion system. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010, 43, 415203.	2.1	4
8	Group Analysis of a Generalized KdV Equation. <i>Applied Mathematics and Information Sciences</i> , 2014, 8, 2845-2848.	0.5	4
9	Lie Group Analysis of a Forced KdV Equation. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-4.	1.1	3
10	Symmetry classification of collapsible tube model incorporating tension. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012, 17, 93-99.	3.3	1
11	Jordan canonical forms for systems of elliptic equations. <i>Journal of Computational Mathematics and Data Science</i> , 2021, 1, 100006.	2.3	1
12	Exact Solutions of a Spherically Symmetric Energy Transport Model for Semiconductors. <i>Journal of Nonlinear Mathematical Physics</i> , 2008, 15, 149.	1.3	0
13	Group classification and exact solutions of a generalized Emden-Fowler equation. <i>International Journal of Non-Linear Mechanics</i> , 2012, 47, 785-791.	2.6	0
14	Direct approach to a group classification problem: Fisher equation with time-dependent coefficients. <i>International Journal of Modern Physics B</i> , 2016, 30, 1640021.	2.0	0
15	Lie symmetry analysis of a pseudoparabolic PDE: Power law in diffusion coefficient with constant viscosity. <i>Partial Differential Equations in Applied Mathematics</i> , 2021, 4, 100060.	2.4	0
16	Conservation laws of the systems of elliptic equations. <i>Partial Differential Equations in Applied Mathematics</i> , 2022, 5, 100228.	2.4	0