Constantin Fetecau

List of Publications by Year
in descending order

35	589	687363	642732
35 papers	**589** citations	**13** h-index	**23** g-index
35 all docs	**35** docs citations	**35** times ranked	**318** citing authors

#	Article	IF	Citations
1	Analytical solutions for non-Newtonian fluid flows in pipe-like domains. International Journal of Non-Linear Mechanics, 2004, 39, 225-231.	2.6	79
2	Effects of the fractional order and magnetic field on the blood flow in cylindrical domains. Journal of Magnetism and Magnetic Materials, 2016, 409, 10-19.	2.3	76
3	On some axial Couette flows of non-Newtonian fluids. Zeitschrift Fur Angewandte Mathematik Und Physik, 2005, 56, 1098-1106.	1.4	55
4	Starting solutions for oscillating motions of Oldroyd-B fluids in cylindrical domains. Journal of Non-Newtonian Fluid Mechanics, 2008, 153, 191-201.	2.4	44
5	General Solutions for the Unsteady Flow of Second-Grade Fluids over an Infinite Plate that Applies Arbitrary Shear to the Fluid. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2011, 66, 753-759.	1.5	35
6	General Solutions for Magnetohydrodynamic Natural Convection Flow with Radiative Heat Transfer and Slip Condition over a Moving Plate. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2013, 68, 659-667.	1.5	30
7	Magnetohydrodynamic Natural Convection Flow with Newtonian Heating and Mass Diffusion over an Infinite Plate that Applies Shear Stress to a Viscous Fluid. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2014, 69, 714-724.	1.5	26
8	Mathematical Analysis of Maxwell Fluid Flow through a Porous Plate Channel Induced by a Constantly Accelerating or Oscillating Wall. Mathematics, 2021, 9, 90.	2.2	23
9	Natural Convection Flow near a Vertical Plate that Applies a Shear Stress to a Viscous Fluid. PLoS ONE, 2013, 8, e78352.	2.5	22
10	Radiative and Porous Effects on Free Convection Flow near a Vertical Plate that Applies Shear Stress to the Fluid. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2013, 68, 130-138.	1.5	20
11	Slip effects on the unsteady radiative MHD free convection flow over a moving plate with mass diffusion and heat source. European Physical Journal Plus, 2015, 130, 1.	2.6	19
12	Unsteady flow of viscoelastic fluid between two cylinders using fractional Maxwell model. Acta Mechanica Sinica/Lixue Xuebao, 2012, 28, 274-280.	3.4	17
13	A Note on Radiative Heat Transfer to Peristaltic Flow of Sisko Fluid. Applied Bionics and Biomechanics, 2015, 2015, 1-9.	1.1	13
14	A generalized kinetic model of the advection-dispersion process in a sorbing medium. Mathematical Modelling of Natural Phenomena, 2021, 16, 39.	2.4	13
15	First Exact Solutions for Flows of Rate Type Fluids in a Circular Duct that Applies a Constant Couple to the Fluid. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2014, 69, 232-238.	1.5	11
16	New methods to provide exact solutions for some unidirectional motions of rate type fluids. Thermal Science, 2016, 20, 7-20.	1.1	11
17	Flow of a generalized Maxwell fluid induced by a constantly accelerating plate between two side walls. Zeitschrift Fur Angewandte Mathematik Und Physik, 2009, 60, 334-343.	1.4	10
18	First general solutions for unsteady unidirectional motions of rate type fluids in cylindrical domains. AEJ - Alexandria Engineering Journal, 2018, 57, 1185-1196.	6.4	8

#	Article	IF	Citations
19	Analytical Solutions of Upper Convected Maxwell Fluid with Exponential Dependence of Viscosity under the Influence of Pressure. Mathematics, 2021, 9, 334.	2.2	8
20	SIMULTANEOUS EFFECTS OF DISSIPATIVE HEATING AND PARTIAL SLIP ON PERISTALTIC TRANSPORT OF SISKO FLUID IN ASYMMETRIC CHANNEL. International Journal of Applied Mechanics, 2014, 06, 1450008.	2.2	7
21	First exact solutions for mixed boundary value problems concerning the motions of fluids with exponential dependence of viscosity on pressure. AIP Advances, 2020, 10, .	1.3	7
22	SLIP EFFECTS ON THE OSCILLATORY FLOW IN A POROUS MEDIUM. Journal of Porous Media, 2011, 14, 481-493.	1.9	7
23	Analytical Solutions for Two Mixed Initial-Boundary Value Problems Corresponding to Unsteady Motions of Maxwell Fluids through a Porous Plate Channel. Mathematical Problems in Engineering, 2021, 2021, 1-13.	1.1	6
24	Unsteady flows of Maxwell fluids with shear rate memory and pressure-dependent viscosity in a rectangular channel. Chaos, Solitons and Fractals, 2021, 148, 111078.	5.1	6
25	General solutions for the mixed boundary value problem associated to hydromagnetic flows of a viscous fluid between symmetrically heated parallel plates. Thermal Science, 2020, 24, 1389-1405.	1.1	6
26	Rotational motion of fractional Maxwell fluids in a circular duct due to a time-dependent couple. Boundary Value Problems, 2019, 2019, .	0.7	5
27	Analytical solutions for some unsteady flows of fluids with linear dependence of viscosity on the pressure. Inverse Problems in Science and Engineering, 2021, 29, 378-395.	1.2	5
28	Symmetric and Non-Symmetric Flows of Burgers' Fluids through Porous Media between Parallel Plates. Symmetry, 2021, 13, 1109.	2.2	5
29	Analytical solutions of upper-convected Maxwell fluid flow with exponential dependence of viscosity on the pressure. European Journal of Mechanics, B/Fluids, 2021, 88, 148-159.	2.5	5
30	MHD free convection flow of a viscous fluid in a rotating system with damped thermal transport, Hall current and slip effects. European Physical Journal Plus, 2018, 133, 1.	2.6	4
31	Permanent solutions for some oscillatory motions of fluids with power-law dependence of viscosity on the pressure and shear stress on the boundary. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2020, 75, 757-769.	1.5	3
32	Numerical Approaches of the Generalized Time-Fractional Burgers' Equation with Time-Variable Coefficients. Journal of Function Spaces, 2021, 2021, 1-14.	0.9	2
33	Exact solutions for unsteady motion between parallel plates of some fluids with power-law dependence of viscosity on the pressure. Applications in Engineering Science, 2020, 1, 100003.	0.8	1
34	Mixed initial-boundary value problems describing motions of Maxwell fluids with linear dependence of viscosity on the pressure. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2021, 76, 1107-1124.	1.5	0
35	On the Modified Stokes Second Problem for Maxwell Fluids with Linear Dependence of Viscosity on the Pressure. Symmetry, 2022, 14, 219.	2.2	0