# Praveen Kumar Gupta

List of Publications by Year
in descending order

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| 34 | 926 | 471371 | 454834 |
|---|---|---|---|
| papers | citations | 17 h-index | 30 g-index |

| 35 | 35 | 35 | 702 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A Mathematical Study of Hepatitis CÂVirus Model During Drug Therapy Treatment. Advances in Intelligent Systems and Computing, 2022, , 187-200. | 0.5 | 0 |
| 2 | Stability analysis of HIV/AIDS dynamics: Modelling the tested and untested populations. Pramana - Journal of Physics, 2022, 96, 1. | 0.9 | 2 |
| 3 | Solution of a dynamical memory effect COVID-19 infection system with leaky vaccination efficacy by non-singular kernel fractional derivatives. Mathematical Biosciences and Engineering, 2022, 19, 4341-4367. | 1.0 | 11 |
| 4 | Dynamical behaviour of a tumour-immune model focusing on the dosage of targeted chemotherapeutic drug. International Journal of Computer Mathematics, 2022, 99, 2568-2582. | 1.0 | 1 |
| 5 | A numerical approach of tumorâ€immune model with B cells and monoclonal antibody drug by multiâ€step differential transformation method. Mathematical Methods in the Applied Sciences, 2021, 44, 4058-4070. | 1.2 | 6 |
| 6 | Mathematical Analysis on the Behaviour of Tumor Cells in the Presence ofÂMonoclonal Antibodies Drug. Smart Innovation, Systems and Technologies, 2021, , 311-321. | 0.5 | 2 |
| 7 | Numerical Solution of Tumor-Immune Model with Targeted Chemotherapy by Multi Step Differential Transformation Method. Learning and Analytics in Intelligent Systems, 2020, , 404-411. | 0.5 | 2 |
| 8 | Analysis of Fractional-Order Deterministic HIV/AIDS Model During Drug Therapy Treatment. Advances in Intelligent Systems and Computing, 2020, , 1-8. | 0.5 | 3 |
| 9 | A mathematical model on HIV/AIDS with fusion effect: Analysis and homotopy solution. European Physical Journal Plus, 2019, 134, 1. | 1.2 | 16 |
| 10 | Numerical solution with analysis of HIV/AIDS dynamics model with effect of fusion and cure rate. Numerical Algebra, Control and Optimization, 2019, 9, 393-399. | 1.0 | 5 |
| 11 | A mathematical model for transmission dynamics of HIV/AIDS with effect of weak CD4+ T cells. Chinese Journal of Physics, 2018, 56, 1045-1056. | 2.0 | 23 |
| 12 | Dynamical behaviour of fractional order tumor-immune model with targeted chemotherapy treatment. International Journal of Engineering and Technology(UAE), 2018, 7, 6. | 0.2 | 8 |
| 13 | DTM Simulation of Peristaltic Viscoelastic Biofluid Flow in Asymmetric Porous Media: A Digestive Transport Model. Journal of Bionic Engineering, 2015, 12, 643-655. | 2.7 | 49 |
| 14 | Solution of the heat transfer problem in tissues during hyperthermia by finite differenceâ€“decomposition method. Applied Mathematics and Computation, 2013, 219, 6882-6892. | 1.4 | 51 |
| 15 | A numerical study on heat transfer in tissues during hyperthermia. Mathematical and Computer Modelling, 2013, 57, 1018-1037. | 2.0 | 43 |
| 16 | A Numerical Study of the Nonlinear Reaction-Diffusion Equation with Different Type of Absorbent Term by Homotopy Analysis Method. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2012, 67, 621-627. | 0.7 | 1 |
| 17 | Application of He's homotopy perturbation method for multiâ€dimensional fractional Helmholtz equation. International Journal of Numerical Methods for Heat and Fluid Flow, 2012, 22, 424-435. | 1.6 | 19 |
| 18 | Application of homotopy perturbation method and homotopy analysis method to fractional vibration equation. International Journal of Computer Mathematics, 2011, 88, 430-441. | 1.0 | 17 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The Homotopy Analysis Method for Fractional Cauchy Reaction-Diffusion Problems. International Journal of Chemical Reactor Engineering, 2011, 9, . | 0.6 | 1 |
| 20 | Homotopy analysis method for solving fractional hyperbolic partial differential equations. International Journal of Computer Mathematics, 2011, 88, 578-588. | 1.0 | 29 |
| 21 | Analytical Approximate Solution of Space-Time Fractional Diffusion Equation with a Moving Boundary Condition. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2011, 66, 281-288. | 0.7 | 5 |
| 22 | Homotopy Perturbation Method for Time-Fractional Shock Wave Equation. Advances in Applied Mathematics and Mechanics, 2011, 3, 774-783. | 0.7 | 6 |
| 23 | Solution of fractional bioheat equations by finite difference method and HPM. Mathematical and Computer Modelling, 2011, 54, 2316-2325. | 2.0 | 52 |
| 24 | An approximate analytical solution of time-fractional telegraph equation. Applied Mathematics and Computation, 2011, 217, 7405-7411. | 1.4 | 48 |
| 25 | Homotopy perturbation method to spaceâ€“time fractional solidification in a finite slab. Applied Mathematical Modelling, 2011, 35, 1937-1945. | 2.2 | 29 |
| 26 | Solution of the nonlinear fractional diffusion equation with absorbent term and external force. Applied Mathematical Modelling, 2011, 35, 3970-3979. | 2.2 | 25 |
| 27 | Approximate analytical solutions of fractional Benneyâ€“Lin equation by reduced differential transform method and the homotopy perturbation method. Computers and Mathematics With Applications, 2011, 61, 2829-2842. | 1.4 | 66 |
| 28 | Homotopy perturbation method for fractional Fornbergâ€“Whitham equation. Computers and Mathematics With Applications, 2011, 61, 250-254. | 1.4 | 97 |
| 29 | An approximate solution of nonlinear fractional reactionâ€“diffusion equation. Applied Mathematical Modelling, 2011, 35, 4071-4076. | 2.2 | 28 |
| 30 | A mathematical model on fractional Lotkaâ€“Volterra equations. Journal of Theoretical Biology, 2011, 277, 1-6. | 0.8 | 129 |
| 31 | Influence of slip condition on peristaltic transport of a viscoelastic fluid with fractional Burgerâ€™s model. Thermal Science, 2011, 15, 501-515. | 0.5 | 23 |
| 32 | An Approximate Analytical Solution of the Fractional Diffusion Equation with Absorbent Term and External Force by Homotopy Perturbation Method. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2010, 65, 182-190. | 0.7 | 33 |
| 33 | Numerical simulation for heat transfer in tissues during thermal therapy. Journal of Thermal Biology, 2010, 35, 295-301. | 1.1 | 91 |
| 34 | Application of Heâ€™s Homotopy Perturbation Method to Fractional Diffusion Equations. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2010, 65, 53-58. | 0.7 | 1 |