# MASohaly

List of Publications by Year
in descending order

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|---|---|---|---|
| 24<br>papers | 344<br>citations | 933447<br>10<br>h-index | 839539<br>18<br>g-index |
| 24<br>all docs | 24<br>docs citations | 24<br>times ranked | 91<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Solitary waves for the nonlinear SchrÃ¶dinger problem with the probability distribution function in the stochastic input case. European Physical Journal Plus, 2017, 132, 1. | 2.6 | 62 |
| 2 | The development of the deterministic nonlinear PDEs in particle physics to stochastic case. Results in Physics, 2018, 9, 344-350. | 4.1 | 47 |
| 3 | On the new wave solutions to the MCH equation. Indian Journal of Physics, 2019, 93, 903-911. | 1.8 | 47 |
| 4 | Stochastic treatment of the solutions for the resonant nonlinear SchrÃ¶dinger equation with spatio-temporal dispersions and inter-modal using beta distribution. European Physical Journal Plus, 2020, 135, 1. | 2.6 | 33 |
| 5 | Disturbance solutions for the longâ€“short-wave interaction system using bi-random Riccatiâ€“Bernoulli sub-ODE method. Journal of Taibah University for Science, 2020, 14, 500-506. | 2.5 | 30 |
| 6 | The new exact solutions for the deterministic and stochastic (2+1)-dimensional equations in natural sciences. Journal of Taibah University for Science, 2019, 13, 834-843. | 2.5 | 24 |
| 7 | Stochastic global exponential stability of disease-free equilibrium of HIV/AIDS model. European Physical Journal Plus, 2020, 135, 1. | 2.6 | 14 |
| 8 | New stochastic solutions for a new extension of nonlinear SchrÃ¶dinger equation. Pramana - Journal of Physics, 2021, 95, 1. | 1.8 | 14 |
| 9 | Lyapunov stability analysis for nonlinear delay systems under random effects and stochastic perturbations with applications in finance and ecology. Advances in Difference Equations, 2021, 2021, . | 3.5 | 13 |
| 10 | Mean-square stability of the zero equilibrium of the nonlinear delay differential equation: Nicholsonâ€™s blowflies application. Nonlinear Dynamics, 2021, 105, 1713-1722. | 5.2 | 11 |
| 11 | Random Crank-Nicolson Scheme for Random Heat Equation in Mean Square Sense. American Journal of Computational Mathematics, 2016, 06, 66-73. | 0.5 | 9 |
| 12 | Stochastic consistency and stochastic stability in mean square sense for Cauchy advection problem. Journal of Difference Equations and Applications, 2018, 24, 59-67. | 1.1 | 7 |
| 13 | Stochastic HIV/AIDS dynamics with discrete and distributed delays. Pramana - Journal of Physics, 2022, 96, 1. | 1.8 | 6 |
| 14 | Solving the random Cauchy one-dimensional advectionâ€“diffusion equation: Numerical analysis and computing. Journal of Computational and Applied Mathematics, 2018, 330, 920-936. | 2.0 | 5 |
| 15 | The deterministic and stochastic solutions for the nonlinear Phi-4 equation. International Journal of Nonlinear Sciences and Numerical Simulation, 2022, 23, 823-832. | 1.0 | 5 |
| 16 | Random difference scheme for diffusion advection model. Advances in Difference Equations, 2019, 2019, . | 3.5 | 4 |
| 17 | Mean Square Heunâ€™s Method Convergent for Solving Random Differential Initial Value Problems of First Order. American Journal of Computational Mathematics, 2014, 04, 474-481. | 0.5 | 4 |
| 18 | The Deterministic and Stochastic Solutions of the NLEEs in Mathematical Physics. International Journal of Applied and Computational Mathematics, 2019, 5, 1. | 1.6 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Approximating the Solution Stochastic Process of the Random Cauchy One-Dimensional Heat Model. Abstract and Applied Analysis, 2016, 2016, 1-7. | 0.7 | 2 |
| 20 | Small two-delay differential equations for Parkinsonâ€™s disease models using Taylor series transform. Indian Journal of Physics, 2023, 97, 39-46. | 1.8 | 2 |
| 21 | Cell Resistance and Antimicrobial Resistance with Waning Vaccination. Biophysical Reviews and Letters, 2021, 16, 41-54. | 0.8 | 1 |
| 22 | Van der Pol model in two-delay differential equation representation. Scientific Reports, 2022, 12, 2925. | 3.3 | 1 |
| 23 | Stochastic solution for Cauchy one-dimensional advection model in mean square calculus. Journal of the Association of Arab Universities for Basic and Applied Sciences, 2017, 24, 263-270. | 1.0 | 0 |
| 24 | Consistency and stability difference scheme study for random diffusion second type problem under mean square. Numerical Heat Transfer; Part A: Applications, 2019, 75, 708-723. | 2.1 | 0 |