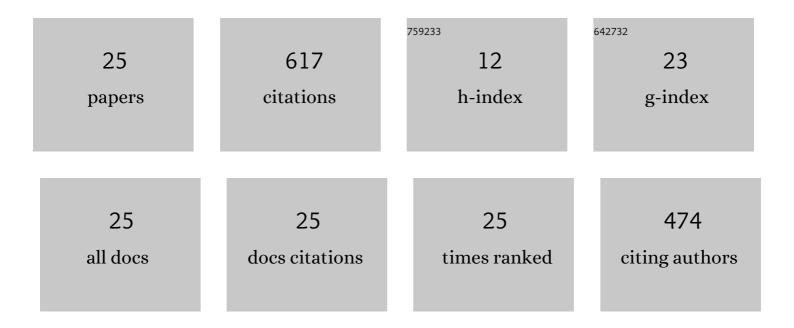
## Iftikhar Ahmed

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	M-shaped rational solitons and their interaction with kink waves in the Fokas–Lenells equation. Physica Scripta, 2019, 94, 055205.	2.5	130
2	Recent advances in electrolytes and cathode materials for magnesium and hybrid-ion batteries. Energy Storage Materials, 2020, 25, 342-375.	18.0	112
3	Kinky breathers, W-shaped and multi-peak solitons interaction in (2 + 1)-dimensional nonlinear SchrĶdinger equation with Kerr law of nonlinearity. European Physical Journal Plus, 2019, 134, 1.	2.6	84
4	Mixed lump-solitons, periodic lump and breather soliton solutions for (2 + 1)-dimensional extended Kadomtsev–Petviashvili dynamical equation. International Journal of Modern Physics B, 2019, 33, 1950019.	2.0	51
5	Optical solitary wave and elliptic function solutions of the Fokas–Lenells equation in the presence of perturbation terms and its modulation instability. Physica Scripta, 2019, 94, 105202.	2.5	41
6	Synthesis of ternary metal oxides as positive electrodes for Mg–Li hybrid ion batteries. Nanoscale, 2020, 12, 924-932.	5.6	31
7	Applications of mixed lump-solitons solutions and multi-peaks solitons for newly extended (2+1)-dimensional Boussinesq wave equation. Modern Physics Letters B, 2019, 33, 1950363.	1.9	16
8	Combined multi-waves rational solutions for complex Ginzburg–Landau equation with Kerr law of nonlinearity. Modern Physics Letters A, 2019, 34, 1950019.	1.2	16
9	Exact solution of the Biswas-Milovic equation by Adomian decomposition method. International Journal of Applied Mathematical Research, 2013, 2, .	0.2	15
10	Peregrine-like rational solitons and their interaction with kink wave for the resonance nonlinear SchrĶdinger equation with Kerr law of nonlinearity. Modern Physics Letters B, 2019, 33, 1950292.	1.9	14
11	Solution bounds of a new complex PMSM system. Nonlinear Dynamics, 2013, 74, 1041-1051.	5.2	13
12	Simple synthesis of graphitic nanotube incorporated cobalt nanoparticles for potassium ion batteries. Ceramics International, 2020, 46, 8862-8868.	4.8	13
13	Abundant solitary wave solutions for space-time fractional unstable nonlinear SchrĶdinger equations and their applications. Ain Shams Engineering Journal, 2023, 14, 101839.	6.1	12
14	Interaction Solutions for Lump-line Solitons and Lump-kink Waves of the Dimensionally Reduced Generalised KP Equation. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2017, 72, 955-961.	1.5	11
15	Rogue waves generation and interaction of multipeak rational solitons in the system of equations for the ion sound and Langmuir waves. International Journal of Modern Physics B, 2019, 33, 1950277.	2.0	11
16	The interaction of W-shaped rational solitons with kink wave for the nonlinear SchrĶdinger equation with anti-cubic nonlinearity. Modern Physics Letters B, 2020, 34, 2050122.	1.9	10
17	Construction of bright-dark solitary waves and elliptic function solutions of space-time fractional partial differential equations and their applications. Physica Scripta, 2020, 95, 045227.	2.5	10
18	Blow-up and global existence for the non-local reaction diffusion problem with time dependent coefficient. Boundary Value Problems, 2013, 2013, .	0.7	8

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#	Article	IF	CITATIONS
19	BLOW-UP FOR A SEMILINEAR PARABOLIC EQUATION WITH NONLINEAR MEMORY AND NONLOCAL NONLINEAR BOUNDARY. Taiwanese Journal of Mathematics, 2013, 17, .	0.4	8
20	A computer based living probabilistic safety assessment (LPSA) method for nuclear power plants. Nuclear Engineering and Design, 2013, 265, 765-771.	1.7	5
21	On the new results of global exponential attractive set. Applied Mathematics Letters, 2014, 28, 30-37.	2.7	4
22	Dead-core rates for the fast diffusion equation with a spatially dependent strong absorption. Archiv Der Mathematik, 2014, 102, 469-481.	0.5	1
23	Cauchy problem for the non-Newtonian polytropic filtration equation with a localized reaction. Applicable Analysis, 2015, 94, 153-168.	1.3	1
24	Large time behavior of solutions for the porous medium equation with a nonlinear gradient source. Boundary Value Problems, 2014, 2014, .	0.7	0
25	Waiting time phenomena for the porous medium equation with gradient absorption. Journal of Applied Mathematics and Computing, 2015, 47, 225-236.	2.5	0