

# Iftikhar Ahmed

## List of Publications by Year in descending order

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25  
papers

617  
citations

759233

12  
h-index

642732

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

474  
citing authors

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

#	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