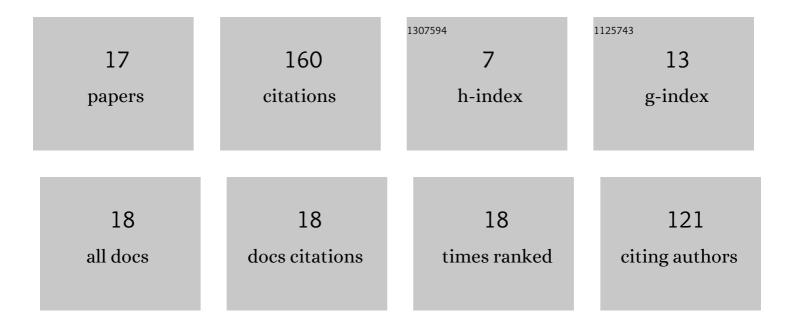
## Muhammad Irfan

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Time-Fractional Klein–Gordon Equation with Solitary/Shock Waves Solutions. Mathematical Problems in Engineering, 2021, 2021, 1-15.	1.1	36
2	Three dimensional ion-acoustic rogons in quantized anisotropic magnetoplasmas with trapped/untrapped electrons. Chaos, 2019, 29, 103133.	2.5	18
3	Investigation of Hirota equation: Modified double Laplace decomposition method. Physica Scripta, 2021, 96, 104006.	2.5	17
4	Suppression of Superconductivity Due to Enhanced Co Doping inÂCu0.5Tl0.5Ba2Ca2Cu3â^'y Co y O10â^'δ Superconductors. Journal of Superconductivity and Novel Magnetism, 2011, 24, 1521-1526.	1.8	15
5	Dust-acoustic solitary and rogue waves in a Thomas-Fermi degenerate dusty plasma. Astrophysics and Space Science, 2014, 353, 515-523.	1.4	15
6	Solitary waves in a degenerate relativistic plasma with ionic pressure anisotropy and electron trapping effects. Physics of Plasmas, 2017, 24, 052108.	1.9	15
7	Enhanced three-dimensional excess conductivity in Be-doped Cu0.5Tl0.5Ba2Ca3â^'xBexâ€^Cu4O12â^'δâ€^(x=,0.5,0.75,1.0,1.25,1.5) superconductors. Journal of Applied Physic 2009, 106, .	s,2.5	7
8	Dust-ion-acoustic envelopes and modulational instability with relativistic degenerate electrons. Physics of Plasmas, 2015, 22, .	1.9	7
9	Arbitrary Amplitude Oblique Electrostatic Solitary Waves in a Degenerate Cold Dusty Magnetoplasma. IEEE Transactions on Plasma Science, 2019, 47, 4151-4158.	1.3	7
10	Modulational instability and ion-acoustic envelopes in dense plasmas with trapped/untrapped electrons. Physics of Plasmas, 2019, 26, 032101.	1.9	6
11	Fluctuation-Induced Conductivity ofÂCu0.5Tl0.5Ba2Ca2Cu2M1O10â^'δ (M = Si, Sn, Ge) Superconductor Journal of Superconductivity and Novel Magnetism, 2009, 22, 769-774.	<sup>'S</sup> 1.8	5
12	Magnetoacoustic solitons and shocks in dense astrophysical plasmas with relativistic degenerate electrons. Journal of Plasma Physics, 2016, 82, .	2.1	4
13	Modulationally stable envelope solitons in astrophysical magnetoplasmas with degenerate relativistic electrons. Journal of Plasma Physics, 2015, 81, .	2.1	3
14	Ion-acoustic dipolar vortex in degenerate magnetoplasma with ions/electrons thermal corrections. Chaos, 2020, 30, 073142.	2.5	2
15	Phase control of pulses distortions through induced circular birefringent chiral atomic medium. Optical and Quantum Electronics, 2022, 54, 1.	3.3	2
16	Thermally activated dissipation mechanism in Sn doped CuTl-1223 superconductors. Journal of Materials Science: Materials in Electronics, 2010, 21, 1308-1312.	2.2	1
17	Complex conductivity dependent surface plasmon polaritons at the interface of metal and silver silica nanocomposites. International Journal of Quantum Chemistry, 0, , e26831.	2.0	0