

Fakir Chand

List of Publications by Year in descending order

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58
papers

901
citations

394421

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501196

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59
all docs

59
docs citations

59
times ranked

450
citing authors

#	ARTICLE	IF	CITATIONS
1	Analytical solutions to the Schrodinger equation for a generalized Cornell potential and its applications to diatomic molecules and heavy mesons. <i>Modern Physics Letters A</i> , 2022, 37, .	1.2	25
2	Energy eigenvalue spectra and applications of the sextic and the Coulomb perturbed potentials. <i>Physica Scripta</i> , 2022, 97, 055301.	2.5	10
3	Mass spectra and thermodynamic properties of some heavy and light mesons. <i>Pramana - Journal of Physics</i> , 2022, 96, .	1.5	3
4	Construction of new traveling and solitary wave solutions of a nonlinear PDE characterizing the nonlinear low-pass electrical transmission lines. <i>Physica Scripta</i> , 2021, 96, 085215.	2.5	9
5	Dynamical invariants for time-dependent real and complex Hamiltonian systems. <i>Journal of Mathematical Physics</i> , 2021, 62, .	1.1	2
6	Complex invariants for some time-independent and time-dependent classical systems. <i>Reports on Mathematical Physics</i> , 2021, 88, 399-418.	0.8	1
7	Effect of the magnetic field on the energy spectra of a quantum dot system. <i>Indian Journal of Physics</i> , 2020, 94, 1705-1709.	1.8	8
8	Classical invariants for non-Hermitian anharmonic potentials. <i>Canadian Journal of Physics</i> , 2020, 98, 1004-1008.	1.1	3
9	Magnetic and electronic structures of Ag ion irradiated CeO2 thin films. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
10	A theoretical modeling of the Cu(In, Ga)Se2 solar cell. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
11	Tuning of LSPR of gold-silver alloy nanoparticles with their composition. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
12	A dynamical study of certain nonlinear diffusionâ€“reaction equations with a nonlinear convective flux term. <i>Pramana - Journal of Physics</i> , 2019, 92, 1.	1.8	7
13	Magnetic and electronic structures of Co ion implanted CeO2 thin films. <i>Applied Surface Science</i> , 2018, 452, 217-222.	6.1	25
14	Energy spectra of a two dimensional parabolic quantum dot in an external field. <i>Indian Journal of Physics</i> , 2018, 92, 145-150.	1.8	11
15	Bound state solutions to the SchrÃ¶dinger equation for some diatomic molecules. <i>Pramana - Journal of Physics</i> , 2018, 91, 1.	1.8	34
16	Mass Spectra of Heavy and Light Mesons Using Asymptotic Iteration Method. <i>Communications in Theoretical Physics</i> , 2018, 70, 179.	2.5	36
17	A theoretical study of perovskite material for solar cell application. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	2
18	Integrability of a time dependent coupled harmonic oscillator in higher dimensions. <i>Discontinuity, Nonlinearity, and Complexity</i> , 2018, 7, 81-94.	0.2	1

#	ARTICLE	IF	CITATIONS
19	Enhancement of ferromagnetism in C ion implanted CeO ₂ thin films. Materials Research Express, 2017, 4, 036403.	1.6	10
20	Effect of rose water on structural, optical and electrical properties of composites of reduced graphene oxide–poly (vinyl alcohol) (PVA) grafted with silver nanoparticles. Materials Research Express, 2017, 4, 025021.	1.6	0
21	Structural, optical and magnetic properties of N ion implanted CeO ₂ thin films. RSC Advances, 2017, 7, 9160-9168.	3.6	41
22	Complex integrals for 3-dimensional non-hermitian Hamiltonian systems. Chinese Journal of Physics, 2017, 55, 1170-1180.	3.9	4
23	Dynamics of Shallow Water Waves with Various Boussinesq Equations. Acta Physica Polonica A, 2017, 131, 275-282.	0.5	10
24	Structural and dielectric properties of Cu doped CeO ₂ . AIP Conference Proceedings, 2016, , .	0.4	2
25	Structural, morphological, electrical and dielectric properties of Mn doped CeO ₂ . Journal of Alloys and Compounds, 2016, 672, 543-548.	5.5	75
26	Exact fourth order invariants for one-dimensional time-dependent Hamiltonian systems. Indian Journal of Physics, 2015, 89, 709-712.	1.8	5
27	Exact traveling wave solutions of some nonlinear evolution equations. Iranian Physical Journal, 2014, 8, 1.	1.2	23
28	Solutions to the N-dimensional radial Schrödinger equation for the potential $ar^2 + br^{-1}$. Pramana - Journal of Physics, 2014, 83, 39-48.	1.8	5
29	Chirped and chirpfree soliton solutions of generalized nonlinear Schrödinger equation with distributed coefficients. Optik, 2014, 125, 2938-2949.	2.9	9
30	Applications of extended F-expansion and projective Riccati equation methods to (2+1)-dimensional soliton equations. AIP Advances, 2013, 3, .	1.3	26
31	Asymptotic Study to the N-Dimensional Radial Schrödinger Equation for the Quark-Antiquark System. Communications in Theoretical Physics, 2013, 59, 528-532.	2.5	53
32	Optical solitary wave solutions for the higher order nonlinear Schrödinger equation with self-steepening and self-frequency shift effects. Optics and Laser Technology, 2013, 54, 265-273.	4.6	42
33	Soliton solutions of some nonlinear evolution equations with time-dependent coefficients. Pramana - Journal of Physics, 2013, 80, 361-367.	1.8	23
34	1-Soliton solutions of complex modified KdV equation with time-dependent coefficients. Indian Journal of Physics, 2013, 87, 909-912.	1.8	13
35	DARK AND BRIGHT SOLITARY WAVE SOLUTIONS OF THE HIGHER ORDER NONLINEAR SCHRÖDINGER EQUATION WITH SELF-STEEPENING AND SELF-FREQUENCY SHIFT EFFECTS. Journal of Nonlinear Optical Physics and Materials, 2013, 22, 1350001.	1.8	29
36	Energy Spectra of the Coulomb Perturbed Potential in N -Dimensional Hilbert Space. Chinese Physics Letters, 2012, 29, 060306.	3.3	10

#	ARTICLE	IF	CITATIONS
55	Exact solutions to three-dimensional time-dependent Schrödinger equation. Pramana - Journal of Physics, 2007, 68, 891-900.	1.8	5
56	Construction of exact complex dynamical invariant of a two-dimensional classical system. Pramana - Journal of Physics, 2006, 67, 999-1009.	1.8	9
57	Construction of exact dynamical invariants of two-dimensional classical system. Pramana - Journal of Physics, 2006, 66, 601-607.	1.8	9
58	ELECTRICAL AND OPTICAL NONLINEARITY IN VACUUM-DEPOSITED THIN FILMS OF POLY[N-(4-BENZOYLPHENYL)-2-METHYLACRYLAMIDE]. Journal of Nonlinear Optical Physics and Materials, 2004, 13, 65-79.	1.8	0