

DoÄan Demirhan

List of Publications by Year in descending order

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papers

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29
all docs

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docs citations

29
times ranked

215
citing authors

#	ARTICLE	IF	CITATIONS
1	Exact analytical solution of Schrödinger equation for a generalized noncentral potential. European Physical Journal Plus, 2022, 137, 1.	2.6	4
2	Analytical eigenstate solutions of Schrödinger equation with noncentral generalized oscillator potential by extended Nikiforov-Uvarov method. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 413, 127608.	2.1	10
3	Fractional differential and integral operations via cumulative approach. Mathematical Methods in the Applied Sciences, 2019, 42, 2479-2491.	2.3	0
4	Relativistic energy-dispersion relations of 2D rectangular lattices. International Journal of Modern Physics B, 2017, 31, 1750061.	2.0	0
5	2-d finite barrier rectangular quantum dots II: Dirac description. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 67, 128-134.	2.7	3
6	A particular solution of Heun equation for Hulthen and Woodsâ€“Saxon potentials. Annalen Der Physik, 2014, 526, 527-532.	2.4	5
7	2-d Finite barrier rectangular quantum dots I: SchroÂ“dinger description. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 62, 71-75.	2.7	6
8	FRACTIONAL MATHEMATICAL INVESTIGATION OF BOSEâ€“EINSTEIN CONDENSATION IN DILUTE ⁸⁷ Rb, ²³ Na AND ⁷ Li ATOMIC GASES. International Journal of Modern Physics B, 2012, 26, 1250096.	2.0	7
9	The effect of time fractality on the transition coefficients: Historical Sternâ€“Gerlach experiment revisited. Chaos, Solitons and Fractals, 2011, 44, 43-47.	5.1	8
10	Solution of the Schrödinger equation for two q-deformed potentials by the SWKB method. Journal of Mathematical Chemistry, 2010, 47, 539-547.	1.5	8
11	Time fractional development of quantum systems. Journal of Mathematical Physics, 2010, 51, .	1.1	28
12	The effect of competition between the frequency of the field and the frequency of the spin flipping on the kinetics of Ising metamagnet. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 511-516.	2.1	8
13	A thermostistical approach to protein structures. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 1577-1584.	2.6	1
14	Investigation of heat capacities of proteins by statistical mechanical methods. Physica A: Statistical Mechanics and Its Applications, 2007, 375, 577-583.	2.6	2
15	Investigation of the behavior of an Ising metamagnet under the influence of a field using Glauber dynamics. Physica A: Statistical Mechanics and Its Applications, 2007, 383, 372-382.	2.6	8
16	Investigation of hydration effect of the proteins by phenomenological thermostistical methods. Physica A: Statistical Mechanics and Its Applications, 2006, 361, 255-262.	2.6	5
17	Nonextensive thermostistical investigation of the blackbody radiation. Chaos, Solitons and Fractals, 2002, 13, 749-759.	5.1	13
18	Landau diamagnetism within nonextensive statistical thermodynamics. Chaos, Solitons and Fractals, 2002, 13, 1359-1368.	5.1	0

#	ARTICLE	IF	CITATIONS
19	Exact solutions of the Schrödinger equation for the deformed hyperbolic potential well and the deformed four-parameter exponential type potential. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 275, 229-237.	2.1	89
20	Polynomial Solutions of the Schrödinger Equation for the "Deformed" Hyperbolic Potentials by Nikiforov-Uvarov Method. Physica Scripta, 1999, 59, 90-94.	2.5	60
21	Exact Solutions of the Schrödinger Equation for Two "Deformed" Hyperbolic Molecular Potentials. Physica Scripta, 1999, 60, 195-198.	2.5	89
22	Some bounds upon the nonextensivity parameter using the approximate generalized distribution functions. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 245, 62-66.	2.1	52
23	Generalization of the mean-field Ising model within Tsallis thermostatics. Physica A: Statistical Mechanics and Its Applications, 1997, 238, 285-294.	2.6	18
24	The effect of nonextensivity on the time development of quantum systems. Zeitschrift Für Physik B-Condensed Matter, 1997, 104, 341-345.	1.1	11
25	Generalized distribution functions and an alternative approach to generalized Planck radiation law. Physica A: Statistical Mechanics and Its Applications, 1997, 240, 657-664.	2.6	57
26	A fractal approach to the distribution function of a paramagnetic system. Zeitschrift Für Physik B-Condensed Matter, 1995, 99, 137-141.	1.1	7
27	Investigation of the pseudo-harmonic oscillator by $su(1, 1)$ spectrum generating algebra. Chemical Physics Letters, 1992, 194, 9-12.	2.6	14
28	Large-N Expansion for a Nucleon-Nucleon Potential. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1989, 44, 1137-1138.	1.5	1
29	On a Variable of the Quasi-particle Transformation of the Hamiltonian of an Odd-Nucleus. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1989, 44, 707-710.	1.5	0