

Won Sang Chung

List of Publications by Year in descending order

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papers

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759233

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92
all docs

92
docs citations

92
times ranked

189
citing authors

#	ARTICLE	IF	CITATIONS
1	Modified Dirac delta function and modified dirac delta potential in the quantum mechanics. European Physical Journal Plus, 2022, 137, 1.	2.6	1
2	Investigation of Some Quantum Mechanics Problems with \hat{p} -Translation Symmetry. International Journal of Theoretical Physics, 2022, 61, 1.	1.2	3
3	Microcanonical ensemble based on the superstatistics with the free Hamiltonian as a stochastic variable. European Physical Journal Plus, 2022, 137, .	2.6	1
4	New deformed Heisenberg algebra with reflection operator. European Physical Journal Plus, 2021, 136, 1.	2.6	20
5	q-Deformed Coherent States for q-Deformed Photon by Using the Tsallis's q-Deformed Exponential Function in the Non-Extensive Thermodynamics. International Journal of Theoretical Physics, 2021, 60, 1109-1126.	1.2	3
6	Multi-dimensional q-deformed bosonic Newton oscillators and the related q-calculus, q-coherent states, and Hermite q-polynomials. Journal of Mathematical Physics, 2021, 62, 033505.	1.1	0
7	Comparison of three types of superstatistics, superstatistic thermodynamic relations and paramagnet model. Physica A: Statistical Mechanics and Its Applications, 2021, 568, 125729.	2.6	4
8	The q-boson Algebra and $su_q(2)$ Algebra Based on q-deformed Binary Operations. International Journal of Theoretical Physics, 2021, 60, 2102-2114.	1.2	0
9	Deformed Boson Algebra with Parity Operator and Non-classical Properties of Coherent States. Few-Body Systems, 2021, 62, 1.	1.5	1
10	Dunkl's Maxwell equation and Dunkl-electrostatics in a spherical coordinate. Modern Physics Letters A, 2021, 36, 2150127.	1.2	8
11	Z_p -Graded Wigner Algebra : Coherent States and Thermodynamics. International Journal of Theoretical Physics, 2021, 60, 2254-2271.	1.2	0
12	Superstatistics of the Dunkl oscillator. Physica A: Statistical Mechanics and Its Applications, 2021, 580, 126154.	2.6	9
13	\tilde{t} -deformed boson algebra based on \tilde{t} -deformed addition and non-classical properties of \tilde{t} -deformed coherent states. Physica Scripta, 2020, 95, 035106.	2.5	3
14	Possible non-additive entropy based on the α -deformed addition. European Physical Journal Plus, 2020, 135, 1.	2.6	3
15	q-deformed Quantum Mechanics with q-translation Symmetry and Supersymmetric q-deformed Quantum Mechanics. Few-Body Systems, 2020, 61, 1.	1.5	2
16	Even and Odd Coherent States of Wigner Algebra. International Journal of Theoretical Physics, 2020, 59, 2924-2938.	1.2	1
17	DSR-GUP Black Hole based on COW experiment and Einstein's photon box. European Physical Journal C, 2020, 80, 1.	3.9	11
18	Parafermion theory from the q-deformed algebra with q a root of unity. International Journal of Geometric Methods in Modern Physics, 2020, 17, .	2.0	0

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19	The effect of fractional calculus on the formation of quantum-mechanical operators. <i>Mathematical Methods in the Applied Sciences</i> , 2020, 43, 6950-6967.	2.3	8
20	Truncated exponential polynomials and truncated coherent states. <i>European Physical Journal Plus</i> , 2020, 135, 1.	2.6	8
21	Two Mode Superposition of Truncated Coherent States: Entanglement and Non-Classical Properties. <i>International Journal of Theoretical Physics</i> , 2020, 59, 1069-1080.	1.2	4
22	Doubly superstatistics with bivariate modified Dirac delta distribution. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 554, 124712.	2.6	4
23	Generalized pair coherent states and non-classical properties. <i>European Physical Journal Plus</i> , 2019, 134, 1.	2.6	4
24	Two different interpretations of q-boson algebra and a new q-deformed statistical physics. <i>Physica Scripta</i> , 2019, 94, 115001.	2.5	1
25	Investigation of relativistic fermions with various energy-momentum distributions in q-deformed approach. <i>International Journal of Modern Physics A</i> , 2019, 34, 1950165.	1.5	4
26	q-deformed Gamma function, q-deformed probability distributions and q-deformed statistical physics based on Tsallis's q-exponential function. <i>European Physical Journal Plus</i> , 2019, 134, 1.	2.6	5
27	Deformed classical mechanics with \hat{L} -deformed translation symmetry and anomalous diffusion. <i>Modern Physics Letters B</i> , 2019, 33, 1950368.	1.9	7
28	A correct way to determine the mean occupation numbers for the q-deformed boson algebras. <i>European Physical Journal Plus</i> , 2019, 134, 1.	2.6	3
29	Truncated q-deformed fermion algebras and phase transition. <i>Pramana - Journal of Physics</i> , 2019, 92, 1.	1.8	0
30	The New Type of Extended Uncertainty Principle and Some Applications in Deformed Quantum Mechanics. <i>International Journal of Theoretical Physics</i> , 2019, 58, 2575-2591.	1.2	9
31	Wigner algebra in a unit circle and deformed coherent states. <i>Physica Scripta</i> , 2019, 94, 105102.	2.5	0
32	Coherent States of the Generalized Heisenberg Algebra with \vec{k} Isolated States. <i>Few-Body Systems</i> , 2019, 60, 1.	1.5	2
33	Superstatistics with symmetric distribution function: Discrete and continuous local temperatures. <i>Modern Physics Letters B</i> , 2019, 33, 1950140.	1.9	1
34	Modified Anti Snyder Model with Minimal Length, Momentum Cutoff and Convergent Partition Function. <i>International Journal of Theoretical Physics</i> , 2019, 58, 2267-2281.	1.2	7
35	Analysis of black hole thermodynamics with a new higher order generalized uncertainty principle. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	41
36	Extended uncertainty principle and thermodynamics. <i>International Journal of Modern Physics A</i> , 2019, 34, 1950041.	1.5	6

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37	On the Position Representation of Pedram's Higher Order GUP. International Journal of Theoretical Physics, 2019, 58, 1791-1802.	1.2	8
38	A new higher order GUP: one dimensional quantum system. European Physical Journal C, 2019, 79, 1.	3.9	56
39	q-Deformed Quantum Mechanics Based on the q-Addition. Fortschritte Der Physik, 2019, 67, 1800111.	4.4	13
40	Thermodynamics of the Schwarzschild and Reissner-Nordström black holes under the Snyder-de Sitter model. European Physical Journal C, 2019, 79, 1.	3.9	14
41	DSR-GUP, maximally localized state, and black hole thermodynamics. Progress of Theoretical and Experimental Physics, 2019, 2019, .	6.6	3
42	General distribution function for the superstatistics and new superstatistics with non-vanishing rth moments for even r. International Journal of Geometric Methods in Modern Physics, 2018, 15, 1850123.	2.0	9
43	Investigation of DKP equation for spin-zero system in the presence of Gdel-type background space-time. European Physical Journal C, 2018, 78, 1.	3.9	18
44	Polychronakos statistics and \hat{q} -deformed Bose condensation of \hat{q} -bosons. Modern Physics Letters B, 2018, 32, 1850052.	1.9	2
45	Effects of cosmic-string framework on the thermodynamical properties of anharmonic oscillator using the ordinary statistics and the q-deformed superstatistics approaches. European Physical Journal C, 2018, 78, 1.	3.9	32
46	Statistical physics when the minimum temperature is not absolute zero. Modern Physics Letters B, 2018, 32, 1850123.	1.9	6
47	A survey on the Klein-Gordon equation in the Gdel-type space-times. International Journal of Geometric Methods in Modern Physics, 2018, 15, 1850037.	2.0	10
48	\hat{q} -Deformed Photon and Jaynes-Cummings Model. International Journal of Theoretical Physics, 2018, 57, 2802-2813.	1.2	0
49	Quantum mechanics on (anti)-de Sitter background II: Ramsauer-Townsend effect and WKB method. Modern Physics Letters A, 2018, 33, 1850150.	1.2	16
50	f-Deformed Boson Algebra Related to Gentile Statistics. International Journal of Theoretical Physics, 2017, 56, 1746-1756.	1.2	6
51	IR aspect of quantum mechanics with minimal momentum. Journal of the Korean Physical Society, 2017, 70, 353-357.	0.7	3
52	On the q-deformed circular imaginary unit and hyperbolic imaginary unit: q-deformed rotation in two dimension and q-deformed special relativity in 1 + 1 dimension. International Journal of Geometric Methods in Modern Physics, 2017, 14, 1750057.	2.0	0
53	Scattering study of a modified cusp potential in conformable fractional formalism. Journal of the Korean Physical Society, 2017, 70, 348-352.	0.7	3
54	Bose description of the generalized Pauli spin operators and para super symmetry. International Journal of Geometric Methods in Modern Physics, 2017, 14, 1750059.	2.0	0

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55	The q-deformed Dirac oscillator in the presence of a magnetic field in (1+2)-dimensions in Noncommutative phase space. Journal of the Korean Physical Society, 2017, 70, 557-560.	0.7	9
56	Parity-dependent non-commutative quantum mechanics. Modern Physics Letters A, 2017, 32, 1750009.	1.2	1
57	A quantum particle in a moving finite harmonic potential. Journal of Mathematical Chemistry, 2017, 55, 864-872.	1.5	0
58	Dynamics of a Particle in a Viscoelastic Medium with Conformable Derivative. International Journal of Theoretical Physics, 2017, 56, 851-862.	1.2	4
59	Some quantum mechanical solutions in nonrelativistic anti-Snyder framework. International Journal of Modern Physics A, 2017, 32, 1750170.	1.5	2
60	Investigation of the Ramsauer-Townsend effect in q-deformed quantum mechanics and simulation by double Dirac delta potential. European Physical Journal Plus, 2017, 132, 1.	2.6	11
61	Quantum mechanics on (anti)-de Sitter background. Modern Physics Letters A, 2017, 32, 1750138.	1.2	25
62	Classical mechanics in the de Sitter space. Journal of the Korean Physical Society, 2017, 71, 13-18.	0.7	14
63	Observations of the Ramsauer-Townsend effect in quaternionic quantum mechanics. European Physical Journal C, 2017, 77, 1.	3.9	23
64	q-Deformed Relativistic Fermion Scattering. Advances in High Energy Physics, 2017, 2017, 1-9.	1.1	10
65	Electrostatics with reflection symmetry and exact solution of the Dunkl-Laplace equation in cylindrical coordinates. Journal of the Korean Physical Society, 2016, 68, 379-382.	0.7	7
66	Quantum optical electromagnetic field and Rabi oscillation in time-varying medium. Journal of the Korean Physical Society, 2016, 69, 708-715.	0.7	0
67	Bose Description of the Deformed Parabose Oscillator with Z_p -Graded Reflection Symmetry. International Journal of Theoretical Physics, 2016, 55, 1593-1600.	1.2	0
68	Generalized Uncertainty Relation in the Non-commutative Quantum Mechanics. International Journal of Theoretical Physics, 2016, 55, 2989-3000.	1.2	0
69	Two Phases of the Non-Commutative Quantum Mechanics with the Generalized Uncertainty Relations. International Journal of Theoretical Physics, 2016, 55, 2174-2181.	1.2	0
70	Classical Dynamics Based on the Minimal Length Uncertainty Principle. International Journal of Theoretical Physics, 2016, 55, 825-836.	1.2	1
71	A polynomial class of $u(2)$ algebras. International Journal of Geometric Methods in Modern Physics, 2015, 12, 1560025.	2.0	0
72	New q -Hermite polynomials: characterization, operators algebra and associated coherent states. Fortschritte Der Physik, 2015, 63, 42-53.	4.4	2

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73	Minimal Bosonization of Supersymmetry with Z_p -graded Parity. Fortschritte Der Physik, 2015, 63, 331-336.	4.4	0
74	Generalized Uncertainty Relations in the Non-commutative Plane. International Journal of Theoretical Physics, 2015, 54, 3350-3358.	1.2	1
75	Two Dimensional Non-commutative Space and Rydberg Atom Model. International Journal of Theoretical Physics, 2015, 54, 1840-1849.	1.2	1
76	Modified q -deformed Tamm-Dancoff oscillators as a model for vibrations of polyatomic molecule. Journal of Mathematical Chemistry, 2015, 53, 200-206.	1.5	0
77	Modified Pauli matrix and spin algebra from the Z_2 -decomposition of the parafermionic Fock space. Modern Physics Letters A, 2015, 30, 1550022.	1.2	0
78	Relation of the nonlinear Heisenberg algebras in two dimensions with linear ones. Iranian Physical Journal, 2015, 9, 201-206.	1.2	0
79	Generalized coherent states for a generalization of the harmonic oscillator. Modern Physics Letters A, 2015, 30, 1550079.	1.2	1
80	On the exact solutions of the damped harmonic oscillator with a time-dependent damping constant and a time-dependent angular frequency. Journal of the Korean Physical Society, 2015, 67, 404-408.	0.7	1
81	Factorization in the quantum mechanics with the generalized uncertainty principle. Modern Physics Letters A, 2015, 30, 1550117.	1.2	0
82	Step potential problem and harmonic oscillator problem in the minimum length quantum mechanics. Modern Physics Letters A, 2015, 30, 1550096.	1.2	3
83	Generalized q -deformed Tamm-Dancoff oscillator algebra and associated coherent states. Journal of Mathematical Physics, 2014, 55, 081702.	1.1	1
84	Fractional damped oscillators and fractional forced oscillators. Journal of the Korean Physical Society, 2014, 64, 186-191.	0.7	10
85	q -Deformed Tamm-Dancoff oscillators: Coherent state and thermostatics. International Journal of Modern Physics B, 2014, 28, 1450130.	2.0	4
86	New q -Deformed Oscillator Algebra and Thermodynamic Model. International Journal of Theoretical Physics, 2014, 53, 426-434.	1.2	2
87	The Q -deformed Oscillator Algebra with an Integer Number Eigenvalue and a Half Odd Integer Number Eigenvalue. International Journal of Theoretical Physics, 2014, 53, 2451-2457.	1.2	0
88	On the q -analog of the Laplace transform. Russian Journal of Mathematical Physics, 2014, 21, 156-168.	1.5	19
89	Generalized fermion algebra. Modern Physics Letters A, 2014, 29, 1450045.	1.2	3
90	Deformation of the Classical Mechanics by Using the q -Derivative Emerging in the Non-extensive Statistical Mechanics. International Journal of Theoretical Physics, 2013, 52, 3762-3770.	1.2	1

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91	SOME NEW PROPERTIES CONCERNING THE q-DEFORMED CALCULUS AND THE q-DEFORMATION OF THE DIFFUSION EQUATION. Modern Physics Letters A, 2013, 28, 1350100.	1.2	2
92	Scattering state study of fermions due to q-deformed Dirac delta potential. Europhysics Letters, 0, , .	2.0	0