

Hossein Fakhri

List of Publications by Year in descending order

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64
papers

587
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623188

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676716

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130
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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Parasupersymmetry and Shape Invariance in Differential Equations of Mathematical Physics and Quantum Mechanics. <i>Annals of Physics</i> , 1998, 262, 260-276. | 1.0 | 67 |
| 2 | Supersymmetry and shape invariance in differential equations of mathematical physics. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1997, 230, 164-170. | 0.9 | 61 |
| 3 | Barutâ€™s Girardello coherent states for the Morse potential. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003, 310, 1-8. | 0.9 | 30 |
| 4 | KLAUDERâ€™s PERELOMOV AND GAZEAUâ€™s KLAUDER COHERENT STATES FOR SOME SHAPE INVARIANT POTENTIALS. <i>Modern Physics Letters A</i> , 2002, 17, 1701-1712. | 0.5 | 26 |
| 5 | su(1, 1)-Barutâ€™s Girardello coherent states for Landau levels. <i>Journal of Physics A</i> , 2004, 37, 5203-5210. | 1.6 | 24 |
| 6 | Generalized Klauderâ€™s Perelomov and Gazeauâ€™s Klauder coherent states for Landau levels. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003, 313, 243-251. | 0.9 | 23 |
| 7 | Dirac operator on fuzzyAdS2. <i>Journal of High Energy Physics</i> , 2003, 2003, 003-003. | 1.6 | 23 |
| 8 | Nonclassical properties of the q -coherent and q -cat states of the Biedenharn-Macfarlane oscillator xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>q</mml:mi></mml:math>-coherent and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>q</mml:mi></mml:math>-cat states of the Biedenharn-Macfarlane<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>q</mml:mi></mml:math>-oscillator | 1.0 | 23 |
| 9 | Coherency of su(1,1)-Barutâ€™s Girardello type and entanglement for spherical harmonics. <i>Journal of Mathematical Physics</i> , 2009, 50, 052104. | 0.5 | 18 |
| 10 | The minimum-uncertainty coherent states for Landau levels. <i>Journal of Mathematical Physics</i> , 2012, 53, . | 0.5 | 17 |
| 11 | Shape invariance and ladder equations for the associated hypergeometric functions. <i>Journal of Physics A</i> , 2004, 37, 3429-3442. | 1.6 | 16 |
| 12 | Approach of the associated Laguerre functions to the $su(1,1)$ coherent states for some quantum solvable models. <i>International Journal of Quantum Chemistry</i> , 2009, 109, 1228-1236. | 1.0 | 16 |
| 13 | The Jaynesâ€™s Cummings model of a two-level atom in a single-mode para-Bose cavity field. <i>Scientific Reports</i> , 2021, 11, 22861. | 1.6 | 16 |
| 14 | Shape invariance symmetries for quantum states of the superpotentials $A \tanh^2 y + B/A$ and $A \cot^2 y + B/c \sin^2 y$. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004, 324, 366-377. | 0.9 | 14 |
| 15 | Supersymmetry approaches to the radial bound states of the hydrogen-like atoms. <i>International Journal of Quantum Chemistry</i> , 2005, 101, 291-304. | 1.0 | 14 |
| 16 | Dirac operators on the fuzzyAdS2 with the spins 1/2 and 1. <i>Journal of Mathematical Physics</i> , 2011, 52, 103508. | 0.5 | 14 |
| 17 | ON THE GENERALIZED UNITARY PARASUPERSYMMETRY ALGEBRA OF BECKERSâ€™s DEBERGH. <i>International Journal of Modern Physics A</i> , 2003, 18, 939-955. | 0.5 | 13 |
| 18 | Ladder operators for the associated Laguerre functions. <i>Journal of Physics A</i> , 2004, 37, 7499-7507. | 1.6 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Schmidt Inner Product for an Adjoint Representation of the Quantum Algebra $U_q(\mathfrak{sl}(2))$ and left q -Hermite polynomials to x -representation of q -oscillator algebra and its coherent states. International Journal of Geometric Methods in Modern Physics, 2015, 12, 1550107. | 0.4 | 4 |
| 38 | Scalar product for the tensor operators of the quantum algebra $U_q(\mathfrak{sl}(2))$ by the Wigner-Eckart theorem. International Journal of Geometric Methods in Modern Physics, 2015, 12, 1550107. | 0.8 | 4 |
| 39 | Exact solutions for the ferromagnetic and antiferromagnetic two-ring Ising chains of spin-1/2. Journal of Geometry and Physics, 2016, 110, 90-100. | 0.7 | 4 |
| 40 | Exact solutions for the ferromagnetic and antiferromagnetic two-ring Ising chains of spin-1/2. Physica A: Statistical Mechanics and Its Applications, 2019, 523, 557-569. | 1.2 | 4 |
| 41 | The quantum group $U_q(\mathfrak{sl}(2))$ and quantum algebra $U_q(\mathfrak{sl}(2))$ based on a new associative multiplication on 2×2 matrices. Journal of Mathematical Physics, 2020, 61, 063504. | 0.5 | 4 |
| 42 | Approach of the continuous q -Hermite polynomials to x -representation of q -oscillator algebra and its coherent states. International Journal of Geometric Methods in Modern Physics, 2020, 17, 2050021. | 0.8 | 3 |
| 43 | Entanglement via permutation symmetry and reflection invariance of angular momentum algebra. European Physical Journal D, 2011, 61, 253-259. | 0.6 | 2 |
| 44 | MONOPOLES OVER FUZZY TWO-SPHERE BY ONE SEQUENCE OF THE IRREPS OF $SU(2)$. Modern Physics Letters A, 2011, 26, 2973-2981. | 0.5 | 2 |
| 45 | q -Cat states revisited: two families in a Fock representation space of q -oscillator algebra with different nonclassical behaviors. European Physical Journal Plus, 2021, 136, 1. | 1.2 | 2 |
| 46 | Coherent states attached to the quantum disc algebra and their associated polynomials. International Journal of Geometric Methods in Modern Physics, 2021, 18, 2150078. | 0.8 | 2 |
| 47 | REPRESENTATION OF THE HEISENBERG ALGEBRA \mathfrak{h}_4 BY THE LOWEST LANDAU LEVELS AND THEIR COHERENT STATES. Modern Physics Letters A, 2005, 20, 2295-2303. | 0.5 | 1 |
| 48 | $N = 2$ SUPERSYMMETRIES FOR QUANTUM STATES OF THE 1D WOODS-SAXON AND PERIODIC SCARF POTENTIALS. International Journal of Modern Physics A, 2005, 20, 1419-1440. | 0.5 | 1 |
| 49 | BEYOND UNITARY PARASUPERSYMMETRY FROM THE VIEWPOINT OF \mathfrak{h}_3 AND \mathfrak{h}_4 HEISENBERG ALGEBRAS. Modern Physics Letters A, 2006, 21, 2303-2312. | 0.5 | 1 |
| 50 | Quantum solvable models with $gl(2,c)$ Lie algebra symmetry embedded into the extension of unitary parasupersymmetry. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 5511-5523. | 0.7 | 1 |
| 51 | Gazeau-Klauder coherent states for the partner potentials of the trigonometric symmetric scarf type. European Physical Journal Plus, 2016, 131, 1. | 1.2 | 1 |
| 52 | A reducible Weil representation of $Sp(4)$ realized by differential operators in the space of smooth functions on H^1 . Journal of Mathematical Physics, 2018, 59, . | 0.5 | 1 |
| 53 | Partition function and energy spectrum for a three-ring Ising chain with even number of spins $\frac{1}{2}$. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 083201. | 0.9 | 1 |
| 54 | \mathbb{Z}_2 -Covariant Differential Calculi on the Quantum n -Space. Advances in Applied Clifford Algebras, 2019, 29, 1. | 0.5 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Energy levels and their degeneracies for two-ring Ising chains of spins- $\frac{1}{2}$ with NN and NNN couplings: spin frustration of ferromagnetic and antiferromagnetic orders. European Physical Journal Plus, 2021, 136, 1. | 1.2 | 1 |
| 56 | Spectrum-Generating Symmetries for the Superpotentials \hat{A} and \hat{B} . International Journal of Theoretical Physics, 2008, 47, 2625-2634. | 0.5 | 0 |
| 57 | Comments on the Barut-Girardello Coherent States for the Parabolic Cylinder Functions. International Journal of Theoretical Physics, 2009, 48, 369-372. | 0.5 | 0 |
| 58 | Dynamical and structural symmetries for the highest Landau levels on the AdS 2. Open Physics, 2012, 10, . | 0.8 | 0 |
| 59 | From the generalized uncertainty relations on fuzzy AdS 2 to the Poincaré geometry. European Physical Journal C, 2012, 72, 1. | 1.4 | 0 |
| 60 | First (fuzzy) Hopf map from irreps of SU(2). Open Physics, 2013, 11, 474-479. | 0.8 | 0 |
| 61 | Spherical Harmonics $Y_{l,m}$ $Y_{l,m} = \sqrt{\frac{2l+1}{4\pi} \frac{(l-m)!}{(l+m)!}} P_l^m(\cos\theta) e^{im\phi}$ | 0.5 | 0 |
| 62 | From the Wigner-Eckart theorem to the Hilbert-Schmidt scalar product for an adjoint representation of the quantum algebra $U_q(\mathfrak{su}_2)$. International Journal of Geometric Methods in Modern Physics, 2016, 13, 1650127. | 0.8 | 0 |
| 63 | Fermionic oscillator realization of the Lie algebras $sp(2k)$ with $k \geq 2$. European Physical Journal Plus, 2018, 133, 1. | 1.2 | 0 |
| 64 | Left-covariant first order differential calculus on quantum Hopf supersymmetry algebra. Journal of Mathematical Physics, 2021, 62, 031702. | 0.5 | 0 |