

Ayham Shaer

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5515208/publications.pdf>

Version: 2024-02-01

12
papers

94
citations

1478505

6
h-index

1372567

10
g-index

12
all docs

12
docs citations

12
times ranked

42
citing authors

#	ARTICLE	IF	CITATIONS
1	Heat capacity and entropy of Gaussian spherical quantum dot in the presence of donor impurity. Journal of Theoretical and Applied Physics, 2019, 13, 277-288.	1.4	19
2	Impurity effects on the magnetization and magnetic susceptibility of an electron confined in a quantum ring under the presence of an external magnetic field. Chinese Journal of Physics, 2020, 64, 9-17.	3.9	15
3	The magnetization and magnetic susceptibility of GaAs Gaussian quantum dot with donor impurity in a magnetic field. Modern Physics Letters B, 2019, 33, 1950422.	1.9	12
4	The magnetic properties of GaAs parabolic quantum dot in the presence of donor impurity, magnetic and electric fields. Chinese Journal of Physics, 2019, 60, 598-611.	3.9	10
5	Variational calculations of the heat capacity of a semiconductor quantum dot in magnetic fields. Chinese Journal of Physics, 2016, 54, 391-397.	3.9	8
6	The magnetic properties of a quantum dot in a magnetic field. Turkish Journal of Physics, 2016, 40, 209-218.	1.1	7
7	Magnetic properties of GaAs parabolic quantum dot in the presence of donor impurity under the influence of external tilted electric and magnetic fields. Journal of Taibah University for Science, 2019, 13, 687-695.	2.5	7
8	Rashba spin-orbit interaction effects on thermal and magnetic properties of parabolic GaAs quantum dot in the presence of donor impurity under external electric and magnetic fields. Chinese Journal of Physics, 2020, 66, 335-348.	3.9	6
9	Simultaneous effects of Rashba, magnetic field and impurity on the magnetization and magnetic susceptibility of a GaAs-semiconductor quantum ring. Journal of Magnetism and Magnetic Materials, 2022, 556, 169435.	2.3	5
10	The effects of pressure and temperature on the exchange energy of a parabolic quantum dot under a magnetic field. Journal of Taibah University for Science, 2017, 11, 1122-1134.	2.5	4
11	Effects of Rashba spin-orbit interaction and topological defect on the magnetic properties of an electron confined in a 2D quantum dot. Journal of Taibah University for Science, 2021, 15, 1210-1216.	2.5	1
12	Magnetization of GaAs Parabolic Quantum Dot by Variation Method. Journal of Physical Science and Application, 2016, 6, .	0.1	0