

Yusuf Yakar

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,194
citations

331538

21
h-index

414303

32
g-index

33
all docs

33
docs citations

33
times ranked

213
citing authors

#	ARTICLE	IF	CITATIONS
1	Linear and nonlinear optical absorption coefficients and binding energy of a spherical quantum dot. Superlattices and Microstructures, 2010, 47, 556-566.	1.4	170
2	Computation of the oscillator strength and absorption coefficients for the intersubband transitions of the spherical quantum dot. Optics Communications, 2009, 282, 3999-4004.	1.0	149
3	Calculation of linear and nonlinear optical absorption coefficients of a spherical quantum dot with parabolic potential. Optics Communications, 2010, 283, 1795-1800.	1.0	132
4	Refractive index changes and absorption coefficients in a spherical quantum dot with parabolic potential. Journal of Luminescence, 2012, 132, 2659-2664.	1.5	89
5	Off-center hydrogenic impurity in spherical quantum dot with parabolic potential. Superlattices and Microstructures, 2013, 60, 389-397.	1.4	49
6	Linear and nonlinear absorption coefficients of spherical quantum dot inside external magnetic field. Physica B: Condensed Matter, 2017, 510, 86-91.	1.3	43
7	Linear and nonlinear optical absorption coefficients of two-electron spherical quantum dot with parabolic potential. Physica B: Condensed Matter, 2015, 458, 138-143.	1.3	38
8	CALCULATION OF ELECTRONIC STRUCTURE OF A SPHERICAL QUANTUM DOT USING A COMBINATION OF QUANTUM GENETIC ALGORITHM AND HARTREEâ€FOCKâ€ROOTHAAN METHOD. International Journal of Modern Physics C, 2008, 19, 599-609.	0.8	36
9	INVESTIGATION OF ELECTRONIC STRUCTURE OF A QUANTUM DOT USING SLATER-TYPE ORBITALS AND QUANTUM GENETIC ALGORITHM. International Journal of Modern Physics C, 2007, 18, 61-72.	0.8	35
10	Linear and Nonlinear Optical Properties in Spherical Quantum Dots. Communications in Theoretical Physics, 2010, 53, 1185-1189.	1.1	35
11	Calculation of oscillator strength and the effects of electric field on energy states, static and dynamic polarizabilities of the confined hydrogen atom. Optics Communications, 2013, 311, 222-228.	1.0	35
12	Magnetic field effects on oscillator strength, dipole polarizability and refractive index changes in spherical quantum dot. Chemical Physics Letters, 2018, 708, 138-145.	1.2	35
13	Computation of ionization and various excited state energies of helium and heliumâ€like quantum dots. International Journal of Quantum Chemistry, 2011, 111, 4139-4149.	1.0	34
14	Linear and nonlinear absorption coefficients of spherical two-electron quantum dot. Computer Physics Communications, 2015, 188, 88-93.	3.0	33
15	Investigation of magnetic field effects on binding energies in spherical quantum dot with finite confinement potential. Chemical Physics Letters, 2017, 684, 250-256.	1.2	33
16	Electronic structure and relativistic terms of one-electron spherical quantum dot. Journal of Luminescence, 2013, 137, 259-268.	1.5	28
17	Electronic structure of two-electron quantum dot with parabolic potential. Philosophical Magazine, 2015, 95, 311-325.	0.7	27
18	Calculation of Zeeman splitting and Zeeman transition energies of spherical quantum dot in uniform magnetic field. Chemical Physics, 2016, 475, 61-68.	0.9	25

#	ARTICLE	IF	CITATIONS
19	Computation of relativistic terms in a spherical quantum dot. Journal of Luminescence, 2013, 134, 778-783.	1.5	24
20	Computation of two-center Coulomb integrals over Slater-type orbitals using elliptical coordinates. International Journal of Quantum Chemistry, 2003, 91, 13-19.	1.0	22
21	Evaluation of Orbital- and Ground State Energies of Some Open- and Closed-Shell Atoms over Integer and Noninteger Slater Type Orbitals. Chinese Journal of Chemistry, 2007, 25, 25-31.	2.6	22
22	Dipole and quadrupole polarizabilities and oscillator strengths of spherical quantum dot. Chemical Physics, 2018, 513, 213-220.	0.9	22
23	Evaluation of Two-center One- and Two-electron Integrals over Slater Type Orbitals. Chinese Journal of Chemistry, 2006, 24, 603-608.	2.6	21
24	Computation of Rotation Matrices Making Lined€Up to the Local Cartesian Coordinates. Journal of the Chinese Chemical Society, 2007, 54, 1139-1144.	0.8	14
25	LINEAR AND NONLINEAR REFRACTIVE INDEX CHANGES IN SPHERICAL QUANTUM DOT. Progress in Electromagnetics Research M, 2011, 21, 77-92.	0.5	9
26	Polarizability and electric field gradient of two-electron quantum dots. Journal of Physics and Chemistry of Solids, 2020, 137, 109214.	1.9	9
27	Calculation of hyperfine interaction in spherical quantum dot. Superlattices and Microstructures, 2015, 86, 20-28.	1.4	8
28	Energy states, oscillator strengths and polarizabilities of many electron atoms confined by an impenetrable spherical cavity. International Journal of Quantum Chemistry, 2021, 121, e26658.	1.0	8
29	Relativistic effects in confined helium-like atoms. Journal of Luminescence, 2021, 239, 118346.	1.5	4
30	Calculation of electric field gradient in spherical quantum dots. Philosophical Magazine, 2020, 100, 248-266.	0.7	2
31	Magnetic field effects on oscillator strength, dipole polarizability and refractive index changes in spherical quantum dot. Chemical Physics Letters, 2021, 767, 138346.	1.2	2
32	Computation of hyperfine energies of hydrogen, deuterium and tritium quantum dots. Physica B: Condensed Matter, 2016, 481, 32-37.	1.3	0