

Antonio Hernández-Cabrera

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6346554/publications.pdf>

Version: 2024-02-01

49
papers

202
citations

1464605

7
h-index

1336881

12
g-index

49
all docs

49
docs citations

49
times ranked

119
citing authors

#	ARTICLE	IF	CITATIONS
1	Rashba induced spin multistability of the intersubband optical absorption in asymmetric coupled quantum wells. Superlattices and Microstructures, 2017, 111, 446-456.	1.4	1
2	A modified transfer matrix approach to include Zeeman spin splitting in dispersion relations for coupled quantum wells. Journal of Physics: Conference Series, 2015, 574, 012069.	0.3	0
3	Intersubband optical absorption in InSb stepped quantum wells: Effect of spin sublevels crossing. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 70, 5-10.	1.3	1
4	Simulation of General Physics laboratory exercise. Journal of Physics: Conference Series, 2015, 574, 012068.	0.3	2
5	Abrupt barrier contribution to electron spin splitting in asymmetric coupled double quantum wells. Indian Journal of Physics, 2015, 89, 31-40.	0.9	2
6	The role of excitons and trions on electron spin polarization in quantum wells. Journal of Applied Physics, 2011, 110, 013724.	1.1	1
7	Negative lateral conductivity of hot electrons in a biased superlattice. Physical Review B, 2009, 79, .	1.1	0
8	Intersubband transitions in a biased superlattice: THz gain and surface mode. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 211-214.	0.8	0
9	Transverse magnetic mode along THz waveguides with biased superlattices. Journal of Luminescence, 2008, 128, 1053-1055.	1.5	0
10	Quantum wells under an in-plane magnetic field. Journal of Luminescence, 2008, 128, 862-864.	1.5	4
11	Calculation of intersubband absorption in doped graded quantum wells under intense terahertz irradiation. Physical Review B, 2008, 78, .	1.1	8
12	Effect of the shape and duration of excitation pulse on the dynamics of excitons and trions in quantum wells. Physical Review B, 2008, 78, .	1.1	2
13	Complex permittivity of a biased superlattice. Journal of Applied Physics, 2008, 103, 014312.	1.1	0
14	Transient quantum evolution of two-dimensional electrons under photoexcitation of a deep center. Physical Review B, 2008, 77, .	1.1	0
15	Electron energy spectrum and density of states for nonsymmetric semiconductor heterostructures in an in-plane magnetic field. Physical Review B, 2006, 74, .	1.1	5
16	Intersubband infrared absorption in stepped quantum wells under intense irradiation. Journal of Physics Condensed Matter, 2005, 17, 6925-6933.	0.7	0
17	Modulation of intersubband infrared absorption under intense terahertz irradiation. Physical Review B, 2005, 72, .	1.1	4
18	Dynamics of direct-created trions in coupled double quantum wells: Electron-density effects. Journal of Applied Physics, 2005, 98, 013714.	1.1	3

#	ARTICLE	IF	CITATIONS
19	Temporal stimulated intersubband emission of photoexcited electrons. <i>Physical Review B</i> , 2005, 71, .	1.1	3
20	Coherent oscillations of electrons in tunnel-coupled wells under ultrafast intersubband excitation. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 5327-5338.	0.7	1
21	Nonequilibrium coherent dynamics of electrons in tunnel-coupled quantum wells. <i>Semiconductor Science and Technology</i> , 2004, 19, S179-S181.	1.0	2
22	Inverse distribution of hot electrons in a two-level quantum well with nonsymmetric scattering. <i>Physical Review B</i> , 2003, 67, .	1.1	5
23	Inhomogeneous broadening of the intersubband transitions in nonideal quantum wells. <i>Physical Review B</i> , 2002, 66, .	1.1	15
24	Coherent response of a biased double-well superlattice subjected to an ultrashort interband excitation. <i>Journal of Applied Physics</i> , 2002, 91, 1.	1.1	30
25	Quantum beats induced by an ultra-short excitation in a two-miniband superlattice. <i>Journal of Physics Condensed Matter</i> , 2001, 13, 7283-7293.	0.7	1
26	Asymmetric doping effects on electronic properties of coupled quantum wells in an in-plane magnetic field. <i>Journal of Applied Physics</i> , 2000, 87, 7959-7964.	1.1	3
27	Free-electron density effects on the exciton dynamics in coupled quantum wells. <i>Physical Review B</i> , 2000, 61, 15873-15879.	1.1	2
28	Level anticrossing effect on electron properties of coupled quantum wells under an in-plane magnetic field. <i>Physical Review B</i> , 1999, 60, 5698-5704.	1.1	7
29	Carrier density effects on the exciton binding energy in double quantum well systems. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 1999, 4, 65-71.	1.3	8
30	Nonlinear regime of oscillatory relaxation of photoexcited electrons in tunnel-coupled quantum wells. <i>Physical Review B</i> , 1997, 56, 4802-4806.	1.1	5
31	Dynamics of directly created excitons in asymmetric double quantum wells. <i>Physical Review B</i> , 1996, 54, 17677-17680.	1.1	6
32	Terahertz emission with a time-dependent amplitude in asymmetric triple quantum wells. <i>Superlattices and Microstructures</i> , 1995, 17, 231-234.	1.4	0
33	Possibility of asymmetric charge oscillations in coupled quantum wells. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1995, 200, 65-68.	0.9	0
34	Excitonic lifetime for double-barrier heterostructures in the presence of phonons. <i>Physical Review B</i> , 1995, 52, 10729-10732.	1.1	3
35	Possibility of terahertz emission with a time-dependent amplitude in semiconductor quantum wells. <i>Physical Review B</i> , 1994, 50, 8878-8881.	1.1	11
36	Excitonic lifetime in double barrier heterostructures. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1994, 192, 269-272.	0.9	4

#	ARTICLE	IF	CITATIONS
37	Possibility of field-modulated terahertz emission in coupled quantum wells. Solid State Communications, 1994, 90, 515-518.	0.9	1
38	Relativistic corrections to resonant quantum tunnelling through heterostructures. Semiconductor Science and Technology, 1992, 7, 66-70.	1.0	3
39	Dynamics of coherent electron tunnelling in asymmetric coupled quantum wells under longitudinal magnetic fields. Semiconductor Science and Technology, 1992, 7, 332-336.	1.0	3
40	Self-consistent calculations of coherent tunneling oscillations in asymmetric double quantum wells. Superlattices and Microstructures, 1992, 11, 375-382.	1.4	4
41	Coherent magnetotunneling in coupled quantum wells for different Landau levels. Superlattices and Microstructures, 1992, 12, 47-52.	1.4	1
42	Quantum magnetotunneling time of electrons in Ga _{1-x} Al _x As superlattices. Solid State Communications, 1991, 79, 749-754.	0.9	0
43	Quantum tunnelling of electrons through a GaAs-Ga _{1-x} Al _x As superlattice in a transverse magnetic field: an analytical calculation of the transmission coefficient. Journal of Physics Condensed Matter, 1991, 2, 8953-8959.	0.7	15
44	Electric field dependence of 'forbidden' resonant Raman scattering in finite quantum wells: 'forbidden' electronic transitions. Journal of Physics Condensed Matter, 1991, 3, 7435-7442.	0.7	1
45	TUNNELING ESCAPE TIME OF ELECTRONS FROM A PARABOLIC QUANTUM WELL IN DOUBLE BARRIER HETEROSTRUCTURES. Modern Physics Letters B, 1991, 05, 293-300.	1.0	5
46	Resonant tunnelling of electrons through parabolic quantum wells: an analytical calculation of the transmission coefficient. Semiconductor Science and Technology, 1991, 6, 218-222.	1.0	14
47	Valence band dispersion in finite quantum wells with uniform electric field. Solid State Communications, 1988, 65, 1451-1455.	0.9	6
48	The theory of resonant Raman scattering: finite quantum wells in an electric field. Journal of Physics C: Solid State Physics, 1988, 21, 3495-3505.	1.5	3
49	Electric field dependence of the resonant Raman scattering in GaAs-Ga _{1-x} Al _x As quantum wells. Physical Review B, 1986, 33, 7389-7391.	1.1	7