

# Pilar Aceituno

## List of Publications by Citations

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51  
papers

217  
citations

8  
h-index

11  
g-index

54  
ext. papers

225  
ext. citations

2.6  
avg, IF

2.22  
L-index

#	Paper	IF	Citations
51	Coherent response of a biased double-well superlattice subjected to an ultrashort interband excitation. <i>Journal of Applied Physics</i> , <b>2002</b> , 91, 1	2.5	23
50	Inhomogeneous broadening of the intersubband transitions in nonideal quantum wells. <i>Physical Review B</i> , <b>2002</b> , 66,	3.3	15
49	Quantum tunnelling of electrons through a GaAs-Ga <sub>1-x</sub> Al <sub>x</sub> As superlattice in a transverse magnetic field: an analytical calculation of the transmission coefficient. <i>Journal of Physics Condensed Matter</i> , <b>1991</b> , 2, 8953-8959	1.8	14
48	Energy transfer as a tool in aggregation studies in NaCl:Pb, Mn. <i>Journal of Physics and Chemistry of Solids</i> , <b>1984</b> , 45, 637-641	3.9	13
47	Possibility of terahertz emission with a time-dependent amplitude in semiconductor quantum wells. <i>Physical Review B</i> , <b>1994</b> , 50, 8878-8881	3.3	11
46	Impurity-concentration effects on the dielectric relaxation of alkali halides. <i>Physical Review B</i> , <b>1982</b> , 25, 7577-7583	3.3	9
45	Calculation of intersubband absorption in doped graded quantum wells under intense terahertz irradiation. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	8
44	Ultrafast photoexcitation and coherent dynamics of electrons in triple tunnel-coupled quantum wells. <i>Journal of Applied Physics</i> , <b>1996</b> , 80, 5106-5110	2.5	8
43	Line shape of the A band of Pb <sup>++</sup> in alkali halide crystals. <i>Solid State Communications</i> , <b>1982</b> , 41, 127-129	1.6	8
42	Level anticrossing effect on electron properties of coupled quantum wells under an in-plane magnetic field. <i>Physical Review B</i> , <b>1999</b> , 60, 5698-5704	3.3	7
41	Aggregation pathways and Suzuki phase formation in doped alkali halides. <i>Solid State Communications</i> , <b>1984</b> , 49, 209-212	1.6	7
40	Dynamics of directly created excitons in asymmetric double quantum wells. <i>Physical Review B</i> , <b>1996</b> , 54, 17677-17680	3.3	6
39	Stark effect and excitonic tunneling escape process in semiconductor quantum wells. <i>Journal of Applied Physics</i> , <b>1994</b> , 76, 4983-4988	2.5	6
38	Nonlinear regime of oscillatory relaxation of photoexcited electrons in tunnel-coupled quantum wells. <i>Physical Review B</i> , <b>1997</b> , 56, 4802-4806	3.3	5
37	Electron energy spectrum and density of states for nonsymmetric semiconductor heterostructures in an in-plane magnetic field. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	5
36	Inverse distribution of hot electrons in a two-level quantum well with nonsymmetric scattering. <i>Physical Review B</i> , <b>2003</b> , 67,	3.3	5
35	Valence band dispersion in finite quantum wells with uniform electric field. <i>Solid State Communications</i> , <b>1988</b> , 65, 1451-1455	1.6	5

34	Effect of M+2 ions on the luminescence of Pb+2 in NaCl. <i>Solid State Communications</i> , <b>1984</b> , 51, 525-529	1.6	5
33	Quantum wells under an in-plane magnetic field. <i>Journal of Luminescence</i> , <b>2008</b> , 128, 862-864	3.8	4
32	Modulation of intersubband infrared absorption under intense terahertz irradiation. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	4
31	Electron-phonon interaction and tunneling escape process in GaAs/AlAs quantum wells. <i>Journal of Applied Physics</i> , <b>1995</b> , 78, 6147-6150	2.5	4
30	Self-consistent calculations of coherent tunneling oscillations in asymmetric double quantum wells. <i>Superlattices and Microstructures</i> , <b>1992</b> , 11, 375-382	2.8	4
29	Dynamics of direct-created trions in coupled double quantum wells: Electron-density effects. <i>Journal of Applied Physics</i> , <b>2005</b> , 98, 013714	2.5	3
28	Temporal stimulated intersubband emission of photoexcited electrons. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	3
27	Asymmetric doping effects on electronic properties of coupled quantum wells in an in-plane magnetic field. <i>Journal of Applied Physics</i> , <b>2000</b> , 87, 7959-7964	2.5	3
26	Excitonic lifetime in double barrier heterostructures. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>1994</b> , 192, 269-272	2.3	3
25	Dynamical Jahn-Teller effect in Pb2+ doped alkali halides. <i>Solid State Communications</i> , <b>1987</b> , 64, 971-974	1.6	3
24	The theory of resonant Raman scattering: finite quantum wells in an electric field. <i>Journal of Physics C: Solid State Physics</i> , <b>1988</b> , 21, 3495-3505		3
23	Abrupt barrier contribution to electron spin splitting in asymmetric coupled double quantum wells. <i>Indian Journal of Physics</i> , <b>2015</b> , 89, 31-40	1.4	2
22	Effect of the shape and duration of excitation pulse on the dynamics of excitons and trions in quantum wells. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	2
21	Nonequilibrium coherent dynamics of electrons in tunnel-coupled quantum wells. <i>Semiconductor Science and Technology</i> , <b>2004</b> , 19, S179-S181	1.8	2
20	Free-electron density effects on the exciton dynamics in coupled quantum wells. <i>Physical Review B</i> , <b>2000</b> , 61, 15873-15879	3.3	2
19	Excitonic lifetime for double-barrier heterostructures in the presence of phonons. <i>Physical Review B</i> , <b>1995</b> , 52, 10729-10732	3.3	2
18	Dipole-dipole interaction effects on the relative stabilities of dipoles in NaCl:Mn2+. <i>Physical Review B</i> , <b>1985</b> , 31, 8119-8123	3.3	2
17	Rashba induced spin multistability of the intersubband optical absorption in asymmetric coupled quantum wells. <i>Superlattices and Microstructures</i> , <b>2017</b> , 111, 446-456	2.8	1

16	Intersubband optical absorption in InSb stepped quantum wells: Effect of spin sublevels crossing. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2015</b> , 70, 5-10	3	1
15	Simulation of General Physics laboratory exercise. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 574, 0120683	3	1
14	The role of excitons and trions on electron spin polarization in quantum wells. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 013724	2.5	1
13	Coherent oscillations of electrons in tunnel-coupled wells under ultrafast intersubband excitation. <i>Journal of Physics Condensed Matter</i> , <b>2004</b> , 16, 5327-5338	1.8	1
12	Quantum beats induced by an ultra-short excitation in a two-miniband superlattice. <i>Journal of Physics Condensed Matter</i> , <b>2001</b> , 13, 7283-7293	1.8	1
11	Possibility of field-modulated terahertz emission in coupled quantum wells. <i>Solid State Communications</i> , <b>1994</b> , 90, 515-518	1.6	1
10	Electric field dependence of forbidden resonant Raman scattering in finite quantum wells: forbidden electronic transitions. <i>Journal of Physics Condensed Matter</i> , <b>1991</b> , 3, 7435-7442	1.8	1
9	Coherent magnetotunneling in coupled quantum wells for different Landau levels. <i>Superlattices and Microstructures</i> , <b>1992</b> , 12, 47-52	2.8	1
8	Flash photolysis in Eu <sup>2+</sup> doped NaCl. <i>Journal of Molecular Structure</i> , <b>1986</b> , 143, 219-222	3.4	1
7	ITC and theoretical studies of divalently doped RbCl. <i>Journal of Physics C: Solid State Physics</i> , <b>1986</b> , 19, 5277-5287		1
6	A modified transfer matrix approach to include Zeeman spin splitting in dispersion relations for coupled quantum wells. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 574, 012069	0.3	
5	Complex permittivity of a biased superlattice. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 014312	2.5	
4	Intersubband transitions in a biased superlattice: THz gain and surface mode. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2008</b> , 5, 211-214		
3	Transverse magnetic mode along THz waveguides with biased superlattices. <i>Journal of Luminescence</i> , <b>2008</b> , 128, 1053-1055	3.8	
2	Intersubband infrared absorption in stepped quantum wells under intense irradiation. <i>Journal of Physics Condensed Matter</i> , <b>2005</b> , 17, 6925-6933	1.8	
1	Possibility of asymmetric charge oscillations in coupled quantum wells. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>1995</b> , 200, 65-68	2.3	