

Elisa Molinari

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

247
papers

9,737
citations

50
h-index

89
g-index

268
ext. papers

10,385
ext. citations

4.6
avg. IF

5.8
L-index

#	Paper	IF	Citations
247	Band structure modulation by methoxy-functionalization of graphene nanoribbons. <i>Journal of Materials Chemistry C</i> , 2022 , 10, 4173-4181	7.1	0
246	Evidence for equilibrium exciton condensation in monolayer WTe ₂ . <i>Nature Physics</i> , 2022 , 18, 94-99	16.2	4
245	Anomalous non-equilibrium response in black phosphorus to sub-gap mid-infrared excitation.. <i>Nature Communications</i> , 2022 , 13, 2667	17.4	1
244	Evidence of ideal excitonic insulator in bulk MoS under pressure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	8
243	Roadmap on bio-nano-photonics. <i>Journal of Optics (United Kingdom)</i> , 2021 , 23, 073001	1.7	0
242	Intermolecular conical intersections in molecular aggregates. <i>Nature Nanotechnology</i> , 2021 , 16, 63-68	28.7	7
241	Frequency dependence in GW made simple using a multipole approximation. <i>Physical Review B</i> , 2021 , 104,	3.3	2
240	Adsorption and Motion of Single Molecular Motors on TiO ₂ (110). <i>Journal of Physical Chemistry C</i> , 2020 , 124, 24776-24785	3.8	4
239	A monolayer transition-metal dichalcogenide as a topological excitonic insulator. <i>Nature Nanotechnology</i> , 2020 , 15, 367-372	28.7	19
238	Intrinsic edge excitons in two-dimensional MoS ₂ . <i>Physical Review B</i> , 2020 , 101,	3.3	2
237	Vibrational signature of the graphene nanoribbon edge structure from high-resolution electron energy-loss spectroscopy. <i>Nanoscale</i> , 2020 , 12, 19681-19688	7.7	1
236	Tailoring optical properties and stimulated emission in nanostructured polythiophene. <i>Scientific Reports</i> , 2019 , 9, 7370	4.9	8
235	Multiwavelength Raman spectroscopy of ultranarrow nanoribbons made by solution-mediated bottom-up approach. <i>Physical Review B</i> , 2019 , 100,	3.3	5
234	Electronic and optical properties of doped TiO ₂ by many-body perturbation theory. <i>Physical Review Materials</i> , 2019 , 3,	3.2	17
233	Interaction-Driven Giant Orbital Magnetic Moments in Carbon Nanotubes. <i>Physical Review Letters</i> , 2018 , 121, 127704	7.4	3
232	Bandgap Engineering of Graphene Nanoribbons by Control over Structural Distortion. <i>Journal of the American Chemical Society</i> , 2018 , 140, 7803-7809	16.4	47
231	Carbon nanotubes as excitonic insulators. <i>Nature Communications</i> , 2017 , 8, 1461	17.4	37

230	How To Identify Plasmons from the Optical Response of Nanostructures. <i>ACS Nano</i> , 2017 , 11, 7321-7335	16.7	54
229	Exciton-exciton annihilation and biexciton stimulated emission in graphene nanoribbons. <i>Nature Communications</i> , 2016 , 7, 11010	17.4	69
228	Quantifying the Plasmonic Character of Optical Excitations in Nanostructures. <i>ACS Photonics</i> , 2016 , 3, 520-525	6.3	41
227	Raman Fingerprints of Atomically Precise Graphene Nanoribbons. <i>Nano Letters</i> , 2016 , 16, 3442-7	11.5	67
226	Tracking the coherent generation of polaron pairs in conjugated polymers. <i>Nature Communications</i> , 2016 , 7, 13742	17.4	108
225	First-principles comparative study on the interlayer adhesion and shear strength of transition-metal dichalcogenides and graphene. <i>Physical Review B</i> , 2015 , 92,	3.3	35
224	Surface-Assisted Reactions toward Formation of Graphene Nanoribbons on Au(110) Surface. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 2427-2437	3.8	47
223	Coherent Ultrafast Charge Transfer in an Organic Photovoltaic Blend. <i>Springer Proceedings in Physics</i> , 2015 , 557-560	0.2	
222	Coherent ultrafast charge transfer in an organic photovoltaic blend. <i>Science</i> , 2014 , 344, 1001-5	33.3	381
221	Probing the mechanism for graphene nanoribbon formation on gold surfaces through X-ray spectroscopy. <i>Chemical Science</i> , 2014 , 5, 4419-4423	9.4	74
220	Exciton-dominated optical response of ultra-narrow graphene nanoribbons. <i>Nature Communications</i> , 2014 , 5, 4253	17.4	121
219	Optical Properties of Bilayer Graphene Nanoflakes. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 23219-23225	3.8	16
218	Light-Induced Field Enhancement in Nanoscale Systems from First-Principles: The Case of Polyacenes. <i>ACS Photonics</i> , 2014 , 1, 1049-1058	6.3	42
217	Anisotropy and size effects on the optical spectra of polycyclic aromatic hydrocarbons. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 6507-13	2.8	16
216	Sliding Properties of MoS ₂ Layers: Load and Interlayer Orientation Effects. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 13809-13816	3.8	88
215	Ab initio simulation of optical limiting: the case of metal-free phthalocyanine. <i>Physical Review Letters</i> , 2014 , 112, 198303	7.4	21
214	Quantum coherence controls the charge separation in a prototypical artificial light-harvesting system. <i>Nature Communications</i> , 2013 , 4, 1602	17.4	199
213	Concavity Effects on the Optical Properties of Aromatic Hydrocarbons. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 12909-12915	3.8	3

212	Quantum coherence controls the charge separation in a prototypical artificial light harvesting system. <i>EPJ Web of Conferences</i> , 2013 , 41, 08017	0.3	
211	Optical Excitations and Field Enhancement in Short Graphene Nanoribbons. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 924-9	6.4	30
210	Potential energy surface for graphene on graphene: Ab initio derivation, analytical description, and microscopic interpretation. <i>Physical Review B</i> , 2012 , 86,	3.3	97
209	Electronics and Optics of Graphene Nanoflakes: Edge Functionalization and Structural Distortions. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 17328-17335	3.8	45
208	Electronic structure of atomically precise graphene nanoribbons. <i>ACS Nano</i> , 2012 , 6, 6930-5	16.7	339
207	Friction by Shear Deformations in Multilayer Graphene. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 21104-21108	3.8	41
206	Quantum dot states and optical excitations of edge-modulated graphene nanoribbons. <i>Physical Review B</i> , 2011 , 84,	3.3	53
205	Designing All-Graphene Nanojunctions by Covalent Functionalization. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 2969-2973	3.8	34
204	SiO ₂ in density functional theory and beyond. <i>Physica Status Solidi (B): Basic Research</i> , 2011 , 248, 1061-1066	10.6	13
203	Optical Properties and Charge-Transfer Excitations in Edge-Functionalized All-Graphene Nanojunctions. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 1315-9	6.4	40
202	Unraveling effects of disorder on the electronic structure of SiO ₂ from first principles. <i>Physical Review B</i> , 2010 , 81,	3.3	17
201	Spin-transport selectivity upon Co adsorption on antiferromagnetic graphene nanoribbons. <i>Journal of Chemical Physics</i> , 2010 , 133, 124703	3.9	41
200	Protein-surface interactions: challenging experiments and computations. <i>Journal of Molecular Recognition</i> , 2010 , 23, 259-62	2.6	33
199	GoLP: an atomistic force-field to describe the interaction of proteins with Au(111) surfaces in water. <i>Journal of Computational Chemistry</i> , 2009 , 30, 1465-76	3.5	207
198	Probing collective modes of correlated states of few electrons in semiconductor quantum dots. <i>Solid State Communications</i> , 2009 , 149, 1436-1442	1.6	2
197	Magnetic states in prismatic core multishell nanowires. <i>Nano Letters</i> , 2009 , 9, 1631-5	11.5	54
196	Electronic and magnetic states in core multishell nanowires: Edge localization, Landau levels and Aharonov-Bohm oscillations. <i>Journal of Physics: Conference Series</i> , 2009 , 193, 012027	0.3	3
195	A molecular state of correlated electrons in a quantum dot. <i>Nature Physics</i> , 2008 , 4, 467-471	16.2	55

194	Optical properties of graphene nanoribbons: The role of many-body effects. <i>Physical Review B</i> , 2008 , 77,	3.3	204
193	Oxygen-mediated electron transport through hybrid silicon-organic interfaces. <i>Nanotechnology</i> , 2008 , 19, 285201	3.4	6
192	Competitive Chemisorption of Bifunctional Carboxylic Acids on H:Si(100): A First-Principles Study. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 10167-10175	3.8	4
191	Cylindrical two-dimensional electron gas in a transverse magnetic field. <i>Physical Review B</i> , 2008 , 78,	3.3	47
190	Publisher's Note: Optical properties of graphene nanoribbons: The role of many-body effects [Phys. Rev. B 77, 041404(R) (2008)]. <i>Physical Review B</i> , 2008 , 77,	3.3	3
189	Correlated states and spin transitions in nanofabricated AlGaAs/GaAs few-electron quantum dots probed by inelastic light scattering. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008 , 40, 1867-1869	3	2
188	Spin relaxation due to spin-orbit coupling in multi-electron quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008 , 40, 1804-1806	3	2
187	Carrier states on cylindrical 2DEGs in a magnetic field. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008 , 40, 2040-2042	3	1
186	Exact biexciton binding energy in carbon nanotubes using a quantum Monte Carlo approach. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008 , 40, 1997-1999	3	4
185	Water-mediated electron transfer between protein redox centers. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 3774-81	3.4	25
184	Correlation effects in wave function mapping of molecular beam epitaxy grown quantum dots. <i>Nano Letters</i> , 2007 , 7, 2701-6	11.5	27
183	Optical properties of one-dimensional graphene polymers: the case of polyphenanthrene. <i>Physica Status Solidi (B): Basic Research</i> , 2007 , 244, 4124-4128	1.3	6
182	Directionality of acoustic-phonon emission in weakly confined semiconductor quantum dots. <i>Physical Review B</i> , 2007 , 75,	3.3	7
181	Magnetic field dependence of triplet-singlet relaxation in quantum dots with spin-orbit coupling. <i>Physical Review B</i> , 2007 , 75,	3.3	31
180	Imaging correlated wave functions of few-electron quantum dots: Theory and scanning tunneling spectroscopy experiments). <i>Journal of Applied Physics</i> , 2007 , 101, 081714	2.5	18
179	Mixing of electronic states in pentacene adsorption on copper. <i>Physical Review Letters</i> , 2007 , 99, 046802	7.4	126
178	Biexciton stability in carbon nanotubes. <i>Physical Review Letters</i> , 2007 , 99, 126806	7.4	42
177	Symmetry lowering of pentacene molecular states interacting with a Cu surface. <i>Physical Review B</i> , 2007 , 76,	3.3	26

176	Effect of electron-electron interaction on the phonon-mediated spin relaxation in quantum dots. <i>Physical Review B</i> , 2007 , 76,	3-3	25
175	Correlation Effects in Quantum Dot Wave Function Imaging. <i>Japanese Journal of Applied Physics</i> , 2006 , 45, 1966-1969	1-4	8
174	Surface nanopatterning through styrene adsorption on Si(100). <i>Physical Review B</i> , 2006 , 73,	3-3	28
173	Quantum phases of correlated electrons in artificial molecules under magnetic fields. <i>Physical Review B</i> , 2006 , 74,	3-3	4
172	Response to Comment on Field-controlled suppression of phonon-induced transitions in coupled quantum dots [Appl. Phys. Lett. 88, 4729 (2006)] <i>Applied Physics Letters</i> , 2006 , 88, 196102	3-4	1
171	Effect of the Coulomb interaction on the electron relaxation of weakly-confined quantum dot systems using the full configuration interaction approach. <i>Physical Review B</i> , 2006 , 74,	3-3	13
170	Phonon-induced electron relaxation in weakly confined single and coupled quantum dots. <i>Physical Review B</i> , 2006 , 74,	3-3	40
169	First-principles density-functional theory calculations of electron-transfer rates in azurin dimers. <i>Journal of Chemical Physics</i> , 2006 , 124, 64501	3-9	41
168	Water effects on electron transfer in azurin dimers. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 23796-8004	3-4	14
167	Phonon-induced electron relaxation in correlated quantum dots. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006 , 3, 3660-3663		1
166	Optical excitations of quasi-one-dimensional systems: carbon nanotubes versus polymers and semiconductor wires. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006 , 203, 3602-3610	1-6	5
165	Two-photon photoluminescence and exciton binding energies in single-walled carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2006 , 243, 2428-2435	1-3	5
164	Excitons in carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2006 , 243, 3204-3208	1-3	12
163	Controlling spin phases of few electrons in artificial molecules by magnetic fields. <i>Physica Status Solidi (B): Basic Research</i> , 2006 , 243, 3874-3878	1-3	
162	First-principles investigation of functionalization-defects on silicon surfaces. <i>Surface Science</i> , 2006 , 600, 3892-3897	1-8	5
161	Spin excitations in few-electrons AlGaAs/GaAs quantum dots probed by inelastic light scattering. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2006 , 34, 304-307	3	3
160	Evidence of correlation in spin excitations of few-electron quantum dots. <i>Physical Review Letters</i> , 2005 , 95, 266806	7-4	43
159	First-principles theory of correlated transport through nanojunctions. <i>Physical Review Letters</i> , 2005 , 94, 116802	7-4	71

158	Magnetic-field-dependent optical properties and interdot correlations in coupled quantum dots. <i>Journal of Luminescence</i> , 2005 , 112, 109-112	3.8	1
157	Suppression of acoustic-phonon-induced electron transitions in coupled quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2005 , 26, 427-431	3	11
156	Biexcitons in artificial molecules with in-plane magnetic field. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2005 , 26, 308-311	3	
155	Interacting electrons in artificial molecules with magnetic field of arbitrary direction. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2005 , 26, 327-330	3	2
154	Exciton binding energies in carbon nanotubes from two-photon photoluminescence. <i>Physical Review B</i> , 2005 , 72,	3.3	404
153	Towards Protein Field-Effect Transistors: Report and Model of a Prototype. <i>Advanced Materials</i> , 2005 , 17, 816-822	24	80
152	Role of the electronic properties of azurin active site in the electron-transfer process. <i>International Journal of Quantum Chemistry</i> , 2005 , 102, 328-342	2.1	23
151	Ab-initio study of excitonic effects in conventional and organic semiconductors. <i>Physica Status Solidi (B): Basic Research</i> , 2005 , 242, 1754-1758	1.3	14
150	Quantum interferences in the Raman cross section for the radial breathing mode in metallic carbon nanotubes. <i>Physical Review B</i> , 2005 , 71,	3.3	20
149	Imaging quasiparticle wave functions in quantum dots via tunneling spectroscopy. <i>Physical Review B</i> , 2005 , 71,	3.3	36
148	Reduced electron relaxation rate in multielectron quantum dots. <i>Physical Review Letters</i> , 2005 , 95, 066806	3.4	30
147	First-principles approach for the calculation of optical properties of one-dimensional systems with helical symmetry: The case of carbon nanotubes. <i>Physical Review B</i> , 2005 , 72,	3.3	30
146	Dark-state luminescence of macroatoms at the near field. <i>Physical Review Letters</i> , 2005 , 95, 216802	7.4	19
145	Collective Properties of Electrons and Holes in Coupled Quantum Dots 2005 , 269-283		1
144	Neutral and charged electron-hole complexes in artificial molecules: Quantum transitions induced by the in-plane magnetic field. <i>Physical Review B</i> , 2004 , 70,	3.3	12
143	Competing mechanisms for singlet-triplet transition in artificial molecules. <i>Physical Review B</i> , 2004 , 69,	3.3	30
142	Ab initio study of transport parameters in polymer crystals. <i>Physical Review B</i> , 2004 , 69,	3.3	25
141	Optical near-field mapping of excitons and biexcitons in naturally occurring semiconductor quantum dots. <i>Applied Physics Letters</i> , 2004 , 84, 3963-3965	3.4	23

140	Field-controlled suppression of phonon-induced transitions in coupled quantum dots. <i>Applied Physics Letters</i> , 2004 , 85, 4729-4731	3.4	18
139	High-finesse optical quantum gates for electron spins in artificial molecules. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004 , 21, 1061-1064	3	
138	Electronic properties of guanine-based nanowires. <i>Solid State Communications</i> , 2004 , 131, 557-564	1.6	15
137	Spin-spin interaction in artificial molecules with in-plane magnetic field. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004 , 22, 482-485	3	5
136	On the electronic structure analysis for one redox-active molecule. <i>Chemical Physics Letters</i> , 2004 , 393, 118-123	2.5	3
135	Electron Channels in Biomolecular Nanowires. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 2509-2515	3.4	26
134	Molecular phases in coupled quantum dots. <i>Physical Review B</i> , 2004 , 69,	3.3	57
133	Excitons in carbon nanotubes: an ab initio symmetry-based approach. <i>Physical Review Letters</i> , 2004 , 92, 196401	7.4	254
132	Ab Initio Study of Chemisorption Reactions for Carboxylic Acids on Hydrogenated Silicon Surfaces. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 17278-17280	3.4	21
131	Relationship between structural and optoelectronic properties in semiconducting polymers. <i>Semiconductor Science and Technology</i> , 2004 , 19, S362-S364	1.8	3
130	Optics and Transport in Conjugated Polymer Crystals: Interchain Interaction Effects. <i>Advances in Solid State Physics</i> , 2003 , 313-326		6
129	Charge transport and radiative recombination in polythiophene crystals: a first-principles study. <i>Synthetic Metals</i> , 2003 , 139, 755-757	3.6	5
128	DFT Study of Cysteine Adsorption on Au(111). <i>Journal of Physical Chemistry B</i> , 2003 , 107, 1151-1156	3.4	194
127	Electronic properties of polymer crystals: the effect of interchain interactions. <i>Physical Review Letters</i> , 2003 , 90, 086401	7.4	48
126	High-finesse optical quantum gates for electron spins in artificial molecules. <i>Physical Review Letters</i> , 2003 , 90, 206802	7.4	85
125	Electronic rectification in protein devices. <i>Applied Physics Letters</i> , 2003 , 82, 472-474	3.4	68
124	Few-electron liquid and solid phases in artificial molecules at high magnetic field 2003 , 361-371		2
123	Biomolecular electronic devices based on self-organized deoxyguanosine nanocrystals. <i>Annals of the New York Academy of Sciences</i> , 2002 , 960, 184-92	6.5	12

122	Weak and Strong Coupling for Quantum Boxes in Pillar Microcavities. <i>Physica Status Solidi A</i> , 2002 , 190, 375-378		
121	Optically detected single-electron charging in a quantum dot. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002 , 13, 95-100	3	9
120	Self-assembled guanine ribbons as wide-bandgap semiconductors. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002 , 13, 1236-1239	3	24
119	The effect of dielectric polarization-induced surface states on many-body configurations in a quantum dot. <i>Semiconductor Science and Technology</i> , 2002 , 17, 1302-1311	1.8	14
118	Solid state effects on exciton states and optical properties of PPV. <i>Physical Review Letters</i> , 2002 , 88, 206403	7.4	145
117	Interchain interaction and Davydov splitting in polythiophene crystals: An ab initio approach. <i>Applied Physics Letters</i> , 2002 , 80, 4118-4120	3.4	45
116	Self-induced transparency in semiconductor quantum dots. <i>Physical Review B</i> , 2002 , 65,	3.3	41
115	Dominance of charged excitons in single-quantum-dot photoluminescence spectra. <i>Physical Review B</i> , 2002 , 66,	3.3	20
114	Raman signatures of classical and quantum phases in coupled dots: A theoretical prediction. <i>Europhysics Letters</i> , 2002 , 58, 555-561	1.6	24
113	Electron-hole localization in coupled quantum dots. <i>Physical Review B</i> , 2002 , 65,	3.3	37
112	G-quartet biomolecular nanowires. <i>Applied Physics Letters</i> , 2002 , 80, 3331-3333	3.4	78
111	Quantum phases in artificial molecules. <i>Solid State Communications</i> , 2001 , 119, 309-321	1.6	47
110	Local absorption spectra of single and coupled semiconductor quantum dots. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2001 , 80, 266-269	3.1	2
109	Strong coupling and dressed states of an interface island in a pillar semiconductor microcavity. <i>Physical Review B</i> , 2001 , 64,	3.3	1
108	Single-electron charging in quantum dots with large dielectric mismatch. <i>Physical Review B</i> , 2001 , 63,	3.3	20
107	Tailoring of light emission properties of functionalized oligothiophenes. <i>Applied Physics Letters</i> , 2001 , 79, 2505-2507	3.4	13
106	Ab initio study of model guanine assemblies: The role of coupling and band transport. <i>Physical Review B</i> , 2001 , 65,	3.3	75
105	Ab-initio study of Coulomb-correlated optical properties in conjugated polymers. <i>Synthetic Metals</i> , 2001 , 119, 257-258	3.6	6

104	Optical Spectroscopy on Single Quantum Dots: Charged Excitons 2001 , 63-74		3
103	Theoretical analysis of the optical spectra of In _x Ga _{1-x} N quantum dots in In _y Ga _{1-y} N layers. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2000 , 7, 934-938	3	2
102	Enhancement of Coulomb interactions in semiconductor nanostructures by dielectric confinement. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2000 , 6, 482-485	3	15
101	Local optical spectroscopy of semiconductor nanostructures in the linear regime. <i>Physical Review B</i> , 2000 , 62, 8204-8211	3.3	10
100	Effects of few-particle interaction on the atomiclike levels of a single strain-induced quantum dot. <i>Physical Review B</i> , 2000 , 62, 1592-1595	3.3	28
99	Nanoscale compositional fluctuations in multiple InGaAs/GaAs quantum wires. <i>Journal of Applied Physics</i> , 2000 , 87, 2261-2264	2.5	8
98	Coherent population transfer in coupled semiconductor quantum dots. <i>Applied Physics Letters</i> , 2000 , 77, 1864	3.4	62
97	Local absorption spectra of artificial atoms and molecules. <i>Physical Review B</i> , 2000 , 62, 13657-13666	3.3	30
96	Few-particle effects in semiconductor quantum dots: observation of multicharged excitons. <i>Physical Review Letters</i> , 2000 , 84, 5648-51	7.4	214
95	Exploiting exciton-exciton interactions in semiconductor quantum dots for quantum-information processing. <i>Physical Review B</i> , 2000 , 62, R2263-R2266	3.3	152
94	Local Optical Spectroscopy in Quantum Confined Systems: A Theoretical Description. <i>Physical Review Letters</i> , 1999 , 82, 847-850	7.4	49
93	Few-particle effects in the optical spectra of semiconductor quantum dots. <i>Solid State Communications</i> , 1999 , 111, 187-192	1.6	31
92	Multiple quantum phases in artificial double-dot molecules. <i>Solid State Communications</i> , 1999 , 112, 151-155	1.6	41
91	Excitonic and biexcitonic effects in the coherent optical response of semiconductor quantum dots. <i>Physica B: Condensed Matter</i> , 1999 , 272, 1-4	2.8	5
90	Strong exciton binding in hybrid GaAs-based nanostructures. <i>Physica B: Condensed Matter</i> , 1999 , 272, 518-521	2.8	3
89	Optical spectra of nitride quantum dots: Quantum confinement and electron-hole coupling. <i>Applied Physics Letters</i> , 1999 , 75, 3449-3451	3.4	16
88	Theory of excitonic confinement in semiconductor quantum wires. <i>Journal of Physics Condensed Matter</i> , 1999 , 11, 5969-5988	1.8	9
87	Coulomb correlation effects in semiconductor quantum dots: The role of dimensionality. <i>Physical Review B</i> , 1999 , 59, 10165-10175	3.3	79

86	Few-Particle Effects in Nonlinear Optical Spectra of Semiconductor Quantum Dots. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 571, 241		
85	Engineering the strain field for the control of quantum confinement: An analytical model for arbitrary shape nanostructures. <i>Journal of Applied Physics</i> , 1998 , 84, 3437-3441	2.5	5
84	Strong Exciton Binding in Quantum Structures through Remote Dielectric Confinement. <i>Physical Review Letters</i> , 1998 , 80, 4995-4998	7.4	31
83	Addition energies in semiconductor quantum dots: Role of electron-electron interaction. <i>Applied Physics Letters</i> , 1998 , 72, 957-959	3.4	35
82	Exciton formation and relaxation in GaAs epilayers. <i>Physical Review B</i> , 1998 , 58, R13403-R13406	3.3	30
81	Band structure and optical anisotropy in V-shaped and T-shaped semiconductor quantum wires. <i>Physical Review B</i> , 1997 , 55, 7110-7123	3.3	32
80	Phonon-assisted exciton formation and relaxation in GaAs/Al _x Ga _{1-x} As quantum wells. <i>Physical Review B</i> , 1997 , 55, R16049-R16052	3.3	32
79	Shape-Independent Scaling of Excitonic Confinement in Realistic Quantum Wires. <i>Physical Review Letters</i> , 1997 , 78, 3527-3530	7.4	68
78	Quantum interference in nanometric devices: Ballistic transport across arrays of T-shaped quantum wires. <i>Applied Physics Letters</i> , 1997 , 71, 1519-1521	3.4	11
77	Optical emission from small Si particles. <i>Solid State Communications</i> , 1997 , 102, 545-549	1.6	68
76	Coupled free-carrier and exciton relaxation in optically excited semiconductors. <i>Physical Review B</i> , 1996 , 54, 4660-4673	3.3	48
75	V-grooved quantum wires as prototypes of 1D-systems: Single particle properties and correlation effects. <i>Solid-State Electronics</i> , 1996 , 40, 249-255	1.7	8
74	Linear and nonlinear optical properties of realistic quantum-wire structures: The dominant role of Coulomb correlation. <i>Physical Review B</i> , 1996 , 53, 16462-16473	3.3	67
73	InAs/GaSb(001) valence-band offset: Independence of interface composition and strain. <i>Applied Physics Letters</i> , 1996 , 69, 3218-3220	3.4	12
72	Valence band spectroscopy in V-grooved quantum wires. <i>Applied Physics Letters</i> , 1996 , 69, 2965-2967	3.4	30
71	Coulomb-induced suppression of band-edge singularities in the optical spectra of realistic quantum-wire structures. <i>Physical Review Letters</i> , 1996 , 76, 3642-3645	7.4	127
70	Ultrafast relaxation of photoexcited carriers in semiconductor quantum wires: A Monte Carlo approach. <i>Physical Review B</i> , 1995 , 52, 5183-5201	3.3	23
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