

Elisa Molinari

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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	Exciton binding energies in carbon nanotubes from two-photon photoluminescence. <i>Physical Review B</i> , 2005 , 72,	3.3	404
246	Coherent ultrafast charge transfer in an organic photovoltaic blend. <i>Science</i> , 2014 , 344, 1001-5	33.3	381
245	Electronic structure of atomically precise graphene nanoribbons. <i>ACS Nano</i> , 2012 , 6, 6930-5	16.7	339
244	Anharmonic Phonon Lifetimes in Semiconductors from Density-Functional Perturbation Theory. <i>Physical Review Letters</i> , 1995 , 75, 1819-1822	7.4	270
243	Excitons in carbon nanotubes: an ab initio symmetry-based approach. <i>Physical Review Letters</i> , 2004 , 92, 196401	7.4	254
242	Microscopic calculation of the electron-phonon interaction in quantum wells. <i>Physical Review B</i> , 1992 , 45, 6747-6756	3.3	224
241	Few-particle effects in semiconductor quantum dots: observation of multicharged excitons. <i>Physical Review Letters</i> , 2000 , 84, 5648-51	7.4	214
240	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
239	Optical properties of graphene nanoribbons: The role of many-body effects. <i>Physical Review B</i> , 2008 , 77,	3.3	204
238	Quantum coherence controls the charge separation in a prototypical artificial light-harvesting system. <i>Nature Communications</i> , 2013 , 4, 1602	17.4	199
237	DFT Study of Cysteine Adsorption on Au(111). <i>Journal of Physical Chemistry B</i> , 2003 , 107, 1151-1156	3.4	194
236	Electron-phonon interaction in quasi-two-dimensional systems. <i>Physical Review B</i> , 1991 , 44, 3463-3466	3.3	169
235	Exploiting exciton-exciton interactions in semiconductor quantum dots for quantum-information processing. <i>Physical Review B</i> , 2000 , 62, R2263-R2266	3.3	152
234	Anisotropy of surface optical properties from first-principles calculations. <i>Physical Review B</i> , 1990 , 41, 9935-9946	3.3	151
233	Solid state effects on exciton states and optical properties of PPV. <i>Physical Review Letters</i> , 2002 , 88, 206403	7.4	145
232	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
231	Mixing of electronic states in pentacene adsorption on copper. <i>Physical Review Letters</i> , 2007 , 99, 046802	7.4	126

230	Exciton binding energy in GaAs V-shaped quantum wires. <i>Physical Review Letters</i> , 1994 , 73, 2899-2902	7.4	125
229	Exciton-dominated optical response of ultra-narrow graphene nanoribbons. <i>Nature Communications</i> , 2014 , 5, 4253	17.4	121
228	Phonon spectra of ultrathin GaAs/AlAs superlattices: An ab initio calculation. <i>Physical Review B</i> , 1990 , 41, 3870-3873	3.3	110
227	Tracking the coherent generation of polaron pairs in conjugated polymers. <i>Nature Communications</i> , 2016 , 7, 13742	17.4	108
226	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
225	Sliding Properties of MoS2 Layers: Load and Interlayer Orientation Effects. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 13809-13816	3.8	88
224	Effects of disorder on the Raman spectra of GaAs/AlAs superlattices. <i>Physical Review B</i> , 1992 , 45, 4280-4288	3.3	87
223	Calculated superlattice and interface phonons of InAs/GaSb superlattices. <i>Physical Review B</i> , 1986 , 33, 8889-8891	3.3	87
222	Theoretical study of the electronic structure of GaP(110). <i>Physical Review B</i> , 1981 , 24, 6029-6042	3.3	86
221	High-finesse optical quantum gates for electron spins in artificial molecules. <i>Physical Review Letters</i> , 2003 , 90, 206802	7.4	85
220	Electron states of an Sb-ordered overlayer on GaAs(110). <i>Physical Review B</i> , 1983 , 27, 1251-1258	3.3	85
219	Towards Protein Field-Effect Transistors: Report and Model of a Prototype. <i>Advanced Materials</i> , 2005 , 17, 816-822	24	80
218	Coulomb correlation effects in semiconductor quantum dots: The role of dimensionality. <i>Physical Review B</i> , 1999 , 59, 10165-10175	3.3	79
217	G-quartet biomolecular nanowires. <i>Applied Physics Letters</i> , 2002 , 80, 3331-3333	3.4	78
216	Confined longitudinal and transverse phonons in GaAs/AlAs superlattices. <i>Superlattices and Microstructures</i> , 1986 , 2, 397-400	2.8	77
215	Ab initio study of model guanine assemblies: The role of coupling and band transport. <i>Physical Review B</i> , 2001 , 65,	3.3	75
214	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
213	First-principles theory of correlated transport through nanojunctions. <i>Physical Review Letters</i> , 2005 , 94, 116802	7.4	71

212	Resonant quasiconfined optical phonons in semiconductor superlattices. <i>Physical Review B</i> , 1989 , 39, 3923-3926	3.3	71
211	In-plane Raman scattering of (001)-Si/Ge superlattices: Theory and experiment. <i>Physical Review B</i> , 1994 , 49, 5406-5414	3.3	70
210	Exciton-exciton annihilation and biexciton stimulated emission in graphene nanoribbons. <i>Nature Communications</i> , 2016 , 7, 11010	17.4	69
209	Shape-Independent Scaling of Excitonic Confinement in Realistic Quantum Wires. <i>Physical Review Letters</i> , 1997 , 78, 3527-3530	7.4	68
208	Optical emission from small Si particles. <i>Solid State Communications</i> , 1997 , 102, 545-549	1.6	68
207	Electronic rectification in protein devices. <i>Applied Physics Letters</i> , 2003 , 82, 472-474	3.4	68
206	Raman Fingerprints of Atomically Precise Graphene Nanoribbons. <i>Nano Letters</i> , 2016 , 16, 3442-7	11.5	67
205	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
204	Calculated phonon spectra of Si/Ge (001) superlattices: Features for interface characterization. <i>Applied Physics Letters</i> , 1989 , 54, 1220-1222	3.4	63
203	Coherent population transfer in coupled semiconductor quantum dots. <i>Applied Physics Letters</i> , 2000 , 77, 1864	3.4	62
202	Molecular phases in coupled quantum dots. <i>Physical Review B</i> , 2004 , 69,	3.3	57
201	A molecular state of correlated electrons in a quantum dot. <i>Nature Physics</i> , 2008 , 4, 467-471	16.2	55
200	How To Identify Plasmons from the Optical Response of Nanostructures. <i>ACS Nano</i> , 2017 , 11, 7321-7335	16.7	54
199	Magnetic states in prismatic core multishell nanowires. <i>Nano Letters</i> , 2009 , 9, 1631-5	11.5	54
198	Quantum dot states and optical excitations of edge-modulated graphene nanoribbons. <i>Physical Review B</i> , 2011 , 84,	3.3	53
197	Local Optical Spectroscopy in Quantum Confined Systems: A Theoretical Description. <i>Physical Review Letters</i> , 1999 , 82, 847-850	7.4	49
196	Electronic properties of polymer crystals: the effect of interchain interactions. <i>Physical Review Letters</i> , 2003 , 90, 086401	7.4	48
195	Coupled free-carrier and exciton relaxation in optically excited semiconductors. <i>Physical Review B</i> , 1996 , 54, 4660-4673	3.3	48

194	Interface mode in Si/Ge superlattices: Theory and experiments. <i>Physical Review B</i> , 1993 , 48, 8959-8962	3.3	48
193	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
192	Cylindrical two-dimensional electron gas in a transverse magnetic field. <i>Physical Review B</i> , 2008 , 78,	3.3	47
191	Quantum phases in artificial molecules. <i>Solid State Communications</i> , 2001 , 119, 309-321	1.6	47
190	Superlattice effects on confined phonons. <i>Physical Review Letters</i> , 1986 , 56, 1751	7.4	47
189	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
188	Calculated longitudinal superlattice and interface phonons of superlattices. <i>Superlattices and Microstructures</i> , 1987 , 3, 117-120	2.8	46
187	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
186	Interchain interaction and Davydov splitting in polythiophene crystals: An ab initio approach. <i>Applied Physics Letters</i> , 2002 , 80, 4118-4120	3.4	45
185	Evidence of correlation in spin excitations of few-electron quantum dots. <i>Physical Review Letters</i> , 2005 , 95, 266806	7.4	43
184	Ultrafast carrier relaxation and vertical-transport phenomena in semiconductor superlattices: A Monte Carlo analysis. <i>Physical Review B</i> , 1995 , 51, 16943-16953	3.3	43
183	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
182	Biexciton stability in carbon nanotubes. <i>Physical Review Letters</i> , 2007 , 99, 126806	7.4	42
181	Quantifying the Plasmonic Character of Optical Excitations in Nanostructures. <i>ACS Photonics</i> , 2016 , 3, 520-525	6.3	41
180	Friction by Shear Deformations in Multilayer Graphene. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 21104-21108	3.2	41
179	Spin-transport selectivity upon Co adsorption on antiferromagnetic graphene nanoribbons. <i>Journal of Chemical Physics</i> , 2010 , 133, 124703	3.9	41
178	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
177	Self-induced transparency in semiconductor quantum dots. <i>Physical Review B</i> , 2002 , 65,	3.3	41

176	Multiple quantum phases in artificial double-dot molecules. <i>Solid State Communications</i> , 1999 , 112, 151-155		41
175	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
174	Phonon-induced electron relaxation in weakly confined single and coupled quantum dots. <i>Physical Review B</i> , 2006 , 74,	3.3	40
173	Microscopic calculation of the electron-optical-phonon interaction in ultrathin GaAs/Al _x Ga _{1-x} As alloy quantum-well systems. <i>Physical Review B</i> , 1995 , 51, 7046-7057	3.3	40
172	Direct experimental observation of fracton mode patterns in one-dimensional Cantor composites. <i>Physical Review Letters</i> , 1992 , 68, 1555-1558	7.4	38
171	Carbon nanotubes as excitonic insulators. <i>Nature Communications</i> , 2017 , 8, 1461	17.4	37
170	Electron-hole localization in coupled quantum dots. <i>Physical Review B</i> , 2002 , 65,	3.3	37
169	Infrared reflectivity by transverse-optical phonons in (GaAs) _m /(AlAs) _n ultrathin-layer superlattices. <i>Physical Review B</i> , 1991 , 43, 14754-14757	3.3	37
168	Imaging quasiparticle wave functions in quantum dots via tunneling spectroscopy. <i>Physical Review B</i> , 2005 , 71,	3.3	36
167	Calculations of phonon spectra in III ^V and Si ² Ge superlattices: A tool for structural characterization. <i>Surface Science</i> , 1990 , 228, 112-119	1.8	36
166	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
165	Addition energies in semiconductor quantum dots: Role of electron-electron interaction. <i>Applied Physics Letters</i> , 1998 , 72, 957-959	3.4	35
164	Micro-Raman scattering in ultrathin-layer superlattices: Evidence of zone-center anisotropy of optical phonons. <i>Physical Review B</i> , 1993 , 47, 1483-1488	3.3	35
163	Designing All-Graphene Nanojunctions by Covalent Functionalization. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 2969-2973	3.8	34
162	Protein-surface interactions: challenging experiments and computations. <i>Journal of Molecular Recognition</i> , 2010 , 23, 259-62	2.6	33
161	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
160	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
159	Magnetic field dependence of triplet-singlet relaxation in quantum dots with spin-orbit coupling. <i>Physical Review B</i> , 2007 , 75,	3.3	31

158	Strong Exciton Binding in Quantum Structures through Remote Dielectric Confinement. <i>Physical Review Letters</i> , 1998 , 80, 4995-4998	7.4	31
157	Few-particle effects in the optical spectra of semiconductor quantum dots. <i>Solid State Communications</i> , 1999 , 111, 187-192	1.6	31
156	Interplanar forces and phonon spectra of strained Si and Ge: Ab initio calculations and applications to Si/Ge superlattices. <i>Physical Review B</i> , 1990 , 42, 7090-7096	3.3	31
155	Self-consistent pseudopotential calculation of the electronic properties of the InP (110) surface. <i>Journal of Physics C: Solid State Physics</i> , 1982 , 15, 1099-1109		31
154	Optical Excitations and Field Enhancement in Short Graphene Nanoribbons. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 924-9	6.4	30
153	Competing mechanisms for singlet-triplet transition in artificial molecules. <i>Physical Review B</i> , 2004 , 69,	3.3	30
152	Reduced electron relaxation rate in multielectron quantum dots. <i>Physical Review Letters</i> , 2005 , 95, 066806	3.4	30
151	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
150	Local absorption spectra of artificial atoms and molecules. <i>Physical Review B</i> , 2000 , 62, 13657-13666	3.3	30
149	Exciton formation and relaxation in GaAs epilayers. <i>Physical Review B</i> , 1998 , 58, R13403-R13406	3.3	30
148	Valence band spectroscopy in V-grooved quantum wires. <i>Applied Physics Letters</i> , 1996 , 69, 2965-2967	3.4	30
147	Phonons in thin GaAs quantum wires. <i>Physical Review B</i> , 1993 , 47, 1695-1698	3.3	30
146	Electron-phonon interactions in two-dimensional systems: a microscopic approach. <i>Semiconductor Science and Technology</i> , 1992 , 7, B67-B72	1.8	29
145	Surface nanopatterning through styrene adsorption on Si(100). <i>Physical Review B</i> , 2006 , 73,	3.3	28
144	Effects of few-particle interaction on the atomlike levels of a single strain-induced quantum dot. <i>Physical Review B</i> , 2000 , 62, 1592-1595	3.3	28
143	Origin of surface anisotropies in the optical spectra of III-V compounds. <i>Physical Review B</i> , 1989 , 39, 13005-13008	3.5	28
142	Correlation effects in wave function mapping of molecular beam epitaxy grown quantum dots. <i>Nano Letters</i> , 2007 , 7, 2701-6	11.5	27
141	Symmetry lowering of pentacene molecular states interacting with a Cu surface. <i>Physical Review B</i> , 2007 , 76,	3.3	26

140	Electron Channels in Biomolecular Nanowires. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 2509-2515	3-4	26
139	Water-mediated electron transfer between protein redox centers. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 3774-81	3-4	25
138	Effect of electron-electron interaction on the phonon-mediated spin relaxation in quantum dots. <i>Physical Review B</i> , 2007 , 76,	3-3	25
137	Ab initio study of transport parameters in polymer crystals. <i>Physical Review B</i> , 2004 , 69,	3-3	25
136	Long range order in Al _{0.5} Ga _{0.5} As: Local density calculation of the electronic structure. <i>Solid State Communications</i> , 1985 , 56, 125-126	1.6	25
135	Self-assembled guanine ribbons as wide-bandgap semiconductors. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002 , 13, 1236-1239	3	24
134	Raman signatures of classical and quantum phases in coupled dots: A theoretical prediction. <i>Europhysics Letters</i> , 2002 , 58, 555-561	1.6	24
133	Reduced carrier cooling and thermalization in semiconductor quantum wires. <i>Physical Review B</i> , 1993 , 47, 1632-1635	3-3	24
132	Atomic intermixing in short period GaAs/AlAs superlattices. <i>Surface Science</i> , 1992 , 267, 171-175	1.8	24
131	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
130	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
129	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
128	Bonding and surface electronic structure of an Sb overlayer on GaP(110). <i>Surface Science</i> , 1987 , 184, 449-462	1.8	23
127	Ab initio simulation of optical limiting: the case of metal-free phthalocyanine. <i>Physical Review Letters</i> , 2014 , 112, 198303	7-4	21
126	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
125	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
124	Single-electron charging in quantum dots with large dielectric mismatch. <i>Physical Review B</i> , 2001 , 63,	3-3	20
123	Dominance of charged excitons in single-quantum-dot photoluminescence spectra. <i>Physical Review B</i> , 2002 , 66,	3-3	20

122	Vibrational properties of a continuous self-similar structure. <i>Physical Review B</i> , 1994 , 49, 15067-15075	3.3	20
121	Planar force-constant method for lattice dynamics of superstructures. <i>Physical Review B</i> , 1990 , 41, 8302-8312	3.3	20
120	A monolayer transition-metal dichalcogenide as a topological excitonic insulator. <i>Nature Nanotechnology</i> , 2020 , 15, 367-372	28.7	19
119	Dark-state luminescence of macroatoms at the near field. <i>Physical Review Letters</i> , 2005 , 95, 216802	7.4	19
118	Cation interdiffusion in GaAs-AlAs superlattices measured with Raman spectroscopy. <i>Applied Physics Letters</i> , 1991 , 59, 2859-2861	3.4	19
117	Stopband edges in the dispersion curves of Lamb waves propagating in piezoelectric periodical structures. <i>Applied Physics Letters</i> , 1988 , 53, 1806-1808	3.4	19
116	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
115	Field-controlled suppression of phonon-induced transitions in coupled quantum dots. <i>Applied Physics Letters</i> , 2004 , 85, 4729-4731	3.4	18
114	Unraveling effects of disorder on the electronic structure of SiO ₂ from first principles. <i>Physical Review B</i> , 2010 , 81,	3.3	17
113	Interaction of electrons with interface phonons in GaAs/AlAs and GaAs/AlGaAs heterostructures. <i>Semiconductor Science and Technology</i> , 1992 , 7, B116-B119	1.8	17
112	A coupled-mode theory for periodic piezoelectric composites. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 1989 , 36, 50-6	3.2	17
111	Electronic and optical properties of doped TiO ₂ by many-body perturbation theory. <i>Physical Review Materials</i> , 2019 , 3,	3.2	17
110	Optical Properties of Bilayer Graphene Nanoflakes. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 23219-23225	3.2	16
109	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
108	Optical spectra of nitride quantum dots: Quantum confinement and electron-hole coupling. <i>Applied Physics Letters</i> , 1999 , 75, 3449-3451	3.4	16
107	Electron-phonon interaction in two-dimensional systems: A microscopic approach. <i>Superlattices and Microstructures</i> , 1991 , 10, 471-478	2.8	16
106	Microscopic calculation of differential reflectivity of GaP(110). <i>Surface Science</i> , 1987 , 189-190, 1028-1032	2.8	16
105	Electronic properties of guanine-based nanowires. <i>Solid State Communications</i> , 2004 , 131, 557-564	1.6	15

104	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
103	Low threshold subharmonic generation in composite structures with Cantor-like code. <i>Physical Review Letters</i> , 1992 , 69, 3318-3321	7.4	15
102	Water effects on electron transfer in azurin dimers. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 23796-8004	9.4	14
101	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
100	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
99	Finite-size effects in the frequency response of piezoelectric composite plates. <i>Journal of Applied Physics</i> , 1989 , 66, 2828-2832	2.5	14
98	GaAs/AlAs monolayer superlattices: A new candidate for a highly spin-polarized electron source. <i>Solid State Communications</i> , 1987 , 62, 1-3	1.6	14
97	SiO ₂ in density functional theory and beyond. <i>Physica Status Solidi (B): Basic Research</i> , 2011 , 248, 1061-1066	10.6	13
96	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
95	Tailoring of light emission properties of functionalized oligothiophenes. <i>Applied Physics Letters</i> , 2001 , 79, 2505-2507	3.4	13
94	Excitons in carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2006 , 243, 3204-3208	1.3	12
93	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
92	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
91	InAs/GaSb(001) valence-band offset: Independence of interface composition and strain. <i>Applied Physics Letters</i> , 1996 , 69, 3218-3220	3.4	12
90	First-principles calculation of anisotropic reflectance at the GaAs(110) surface. <i>Surface Science</i> , 1989 , 211-212, 518-523	1.8	12
89	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
88	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
87	Phonons in Si/GaAs superlattices. <i>Physical Review B</i> , 1992 , 46, 7296-7299	3.3	11

86	Local optical spectroscopy of semiconductor nanostructures in the linear regime. <i>Physical Review B</i> , 2000 , 62, 8204-8211	3.3	10
85	Si-GaAs(001) superlattice structure. <i>Journal of Crystal Growth</i> , 1993 , 127, 121-125	1.6	10
84	Piezoelectric plate resonances due to first Lamb symmetrical mode. <i>Journal of Applied Physics</i> , 1988 , 64, 2238-2240	2.5	10
83	Optically detected single-electron charging in a quantum dot. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002 , 13, 95-100	3	9
82	Theory of excitonic confinement in semiconductor quantum wires. <i>Journal of Physics Condensed Matter</i> , 1999 , 11, 5969-5988	1.8	9
81	Si-GaAs(001) superlattices. <i>Applied Physics Letters</i> , 1992 , 61, 1570-1572	3.4	9
80	Tailoring optical properties and stimulated emission in nanostructured polythiophene. <i>Scientific Reports</i> , 2019 , 9, 7370	4.9	8
79	Correlation Effects in Quantum Dot Wave Function Imaging. <i>Japanese Journal of Applied Physics</i> , 2006 , 45, 1966-1969	1.4	8
78	Nanoscale compositional fluctuations in multiple InGaAs/GaAs quantum wires. <i>Journal of Applied Physics</i> , 2000 , 87, 2261-2264	2.5	8
77	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
76	Optical phonon probes of the lateral scale of interface roughness: A theoretical investigation. <i>Solid-State Electronics</i> , 1994 , 37, 621-624	1.7	8
75	Hydrogen adsorption on compound semiconductor surfaces. <i>Vacuum</i> , 1990 , 41, 663-666	3.7	8
74	Phonons in semiconductor superlattices. <i>Superlattices and Microstructures</i> , 1988 , 4, 449-457	2.8	8
73	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
72	Directionality of acoustic-phonon emission in weakly confined semiconductor quantum dots. <i>Physical Review B</i> , 2007 , 75,	3.3	7
71	Vibrational properties of Si/Ge superlattices: Theory and in-plane Raman scattering experiments. <i>Solid-State Electronics</i> , 1994 , 37, 757-760	1.7	7
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