Alejandro R GoÃ±i

List of Publications by Year
in descending order

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188	6,134	94433	79698
papers	citations	37	73
		h-index	g-index

191	191	191	8631
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Lattice dynamics and vibrational spectra of the orthorhombic, tetragonal, and cubic phases of methylammonium lead iodide. Physical Review B, 2015, 92, .	3.2	452
2	High capacity hard carbon anodes for sodium ion batteries in additive free electrolyte. Electrochemistry Communications, 2013, 27, 85-88.	4.7	433
3	One-dimensional plasmon dispersion and dispersionless intersubband excitations in GaAs quantum wires. Physical Review Letters, 1991, 67, 3298-3301.	7.8	349
4	Dynamic disorder, phonon lifetimes, and the assignment of modes to the vibrational spectra of methylammonium lead halide perovskites. Physical Chemistry Chemical Physics, 2016, 18, 27051-27066.	2.8	325
5	Exploring the origin of high optical absorption in conjugated polymers. Nature Materials, 2016, 15, 746-753.	27.5	314
6	Thermoelectric composites of poly(3-hexylthiophene) and carbon nanotubes with a large power factor. Energy and Environmental Science, 2013, 6, 918.	30.8	258
7	Effect of pressure on optical phonon modes and transverse effective charges inGaNandAlN. Physical Review B, 2001, 64, .	3.2	211
8	Pressure dependence of direct and indirect optical absorption in GaAs. Physical Review B, 1987, 36, 1581-1587.	3.2	153
9	Hydroxypropyl cellulose photonic architectures by soft nanoimprinting lithography. Nature Photonics, 2018, 12, 343-348.	31.4	146
10	Observation of quantum wire formation at intersecting quantum wells. Applied Physics Letters, 1992, 61, 1956-1958.	3.3	125
11	Effect of pressure on the low-temperature exciton absorption in GaAs. Physical Review B, 1990, 41, 10111-10119.	3.2	117
12	Large optical singularities of the one-dimensional electron gas in semiconductor quantum wires. Solid State Communications, 1991, 79, 911-915.	1.9	107
13	Photoinduced pâ€•to nâ€†type Switching in Thermoelectric Polymerâ€Carbon Nanotube Composites. Advanced Materials, 2016, 28, 2782-2789.	21.0	89
14	Effects of the Wannier Ridge on Secondary-Electron Spectra in Proton-Helium Collisions. Physical Review Letters, 1986, 57, 1587-1590.	7.8	88
15	Cleaved edge overgrowth for quantum wire fabrication. Journal of Crystal Growth, 1993, 127, 849-857.	1.5	80
16	Inelastic light scattering by spin-density, charge-density, and single-particle excitations in GaAs quantum wires. Physical Review B, 1994, 49, 14778-14781.	3.2	80
17	Ferroelectricity-free lead halide perovskites. Energy and Environmental Science, 2019, 12, 2537-2547.	30.8	80
18	Observation of magnetoplasmons, rotons, and spin-flip excitations in GaAs quantum wires. Physical Review Letters, 1993, 70, 1151-1154.	7.8	67

#	Article	IF	Citations
19	Equal Footing of Thermal Expansion and Electronâ€“Phonon Interaction in the Temperature Dependence of Lead Halide Perovskite Band Gaps. Journal of Physical Chemistry Letters, 2019, 10, 2971-2977.	4.6	64
20	Chapter 4 Optical Properties of Semiconductors under Pressure. Semiconductors and Semimetals, 1998, 54, 247-425.	0.7	62
21	Low-temperature exciton absorption in InSe under pressure. Physical Review B, 1992, 45, 4221-4226.	3.2	57
22	Defect tolerant perovskite solar cells from blade coated non-toxic solvents. Journal of Materials Chemistry A, 2018, 6, 19085-19093.	10.3	57
23	Collapse of the Hartree term of the Coulomb interaction in a very dilute 2D electron gas. Physical Review Letters, 1994, 72, 4029-4032.	7.8	56
24	Evidence of quantum confinement effects on interband optical transitions in Si nanocrystals. Physical Review B, 2010, 82, .	3.2	56
25	Intermolecular Interaction in Carbon Nanotube Ropes. Physica Status Solidi (B): Basic Research, 1999, 215, 435-441.	1.5	54
26	Composition dependence of the phonon strain shift coefficients of SiGe alloys revisited. Applied Physics Letters, 2008, 92, .	3.3	51
27	InP quantum dots embedded in GaP:â€ƒOptical properties and carrier dynamics. Physical Review B, 2003, 67, .	3.2	50
28	Photoluminescence from strained InAs monolayers in GaAs under pressure. Physical Review B, 1994, 50, 1575-1581.	3.2	49
29	Optical and mechanical properties of nanofibrillated cellulose: Toward a robust platform for next-generation green technologies. Carbohydrate Polymers, 2015, 126, 40-46.	10.2	45
30	Reduction of the transverse effective charge of optical phonons in ZnO under pressure. Applied Physics Letters, 2010, 96, .	3.3	43
31	State mixing in InAs/GaAs quantum dots at the pressure-induced Î“-Xcrossing. Physical Review B, 1994, 50, 18420-18425.	3.2	42
32	Strain and composition profiles of self-assembled Geâ•Si(001) islands. Journal of Applied Physics, 2005, 98, 033530.	2.5	42
33	Pressure-Induced Locking of Methylammonium Cations versus Amorphization in Hybrid Lead Iodide Perovskites. Journal of Physical Chemistry C, 2018, 122, 22073-22082.	3.1	42
34	Phase Diagram of Methylammonium/Formamidinium Lead Iodide Perovskite Solid Solutions from Temperature-Dependent Photoluminescence and Raman Spectroscopies. Journal of Physical Chemistry C, 2020, 124, 3448-3458.	3.1	42
35	Plasmon Raman scattering and photoluminescence of heavily dopedn-type InP near the Î“-X crossover. Physical Review B, 1996, 53, 1287-1293.	3.2	41
36	Structural and optical properties of InSe under pressure. High Pressure Research, 1992, 8, 396-398.	1.2	38

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37	Dynamics of the Field-Induced Formation of Hexagonal Zipped-Chain Superstructures in Magnetic Colloids. Physical Review Letters, 2011, 106, 208301.	7.8	38
38	Poly(3-hexylthiophene) nanowires in porous alumina: internal structure under confinement. Soft Matter, 2014, 10, 3335.	2.7	38
39	A new room temperature and solvent free carbon coating procedure for battery electrode materials. Energy and Environmental Science, 2013, 6, 3363.	30.8	37
40	Synthesis and optical spectroscopy of ZnO nanowires. Superlattices and Microstructures, 2009, 45, 271-276.	3.1	36
41	Direct-band-gap absorption in germanium under pressure. Physical Review B, 1989, 39, 12921-12924.	3.2	35
42	Intervalley scattering potentials of Ge from direct exciton absorption under pressure. Physical Review B, 1994, 49, 8017-8023.	3.2	35
43	Vibrational Properties of InSe under Pressure: Experiment and Theory. Physica Status Solidi (B): Basic Research, 1996, 198, 121-127.	1.5	35
44	Pressure-Temperature Phase Diagram of the Spin-Peierls CompoundCuGeO3. Physical Review Letters, 1996, 77, 1079-1082.	7.8	35
45	Pressure and temperature effects on optical transitions in cubic GaN. Journal of Applied Physics, 1999, 86, 929-934.	2.5	33
46	On the assessment of hydroxyapatite fluoridation by means of Raman scattering. Journal of Chemical Physics, 2010, 132, 244501.	3.0	33
47	In-plane thermal conductivity of sub-20 nm thick suspended mono-crystalline Si layers. Nanotechnology, 2014, 25, 185402.	2.6	31
48	Tailoring thermal conductivity by engineering compositional gradients in Si1âˆ’x Ge x superlattices. Nano Research, 2015, 8, 2833-2841.	10.4	31
49	High-gain excitonic lasing from a single InAs monolayer in bulk GaAs. Applied Physics Letters, 1998, 72, 1433-1435.	3.3	30
50	Effect of Pressure on Direct Optical Transitions of ?-InSe. Physica Status Solidi (B): Basic Research, 2000, 221, 777-787.	1.5	30
51	Electronic structure of self-assembled InP/GaP quantum dots from high-pressure photoluminescence. Physical Review B, 2003, 67, .	3.2	30
52	Disentangling Electronâ€“Phonon Coupling and Thermal Expansion Effects in the Band Gap Renormalization of Perovskite Nanocrystals. Journal of Physical Chemistry Letters, 2021, 12, 569-575.	4.6	29
53	Influence of the Relative Molecular Orientation on Interfacial Charge-Transfer Excitons at Donor/Acceptor Nanoscale Heterojunctions. Journal of Physical Chemistry C, 2014, 118, 14833-14839.	3.1	28
54	Direct imaging of the visible emission bands from individual ZnO nanowires by near-field optical spectroscopy. Nanotechnology, 2009, 20, 315701.	2.6	27

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55	Pressure dependence of the direct optical gap and refractive index of Ge and GaAs. Semiconductor Science and Technology, 1989, 4, 246-247.	2.0	26
56	Spectroscopic Evaluation of Mixing and Crystallinity of Fullerenes in Bulk Heterojunctions. Advanced Functional Materials, 2014, 24, 6972-6980.	14.9	26
57	Magnetoluminescence Study of Annealing Effects on the Electronic Structure of Self-organized InGaAs/GaAs Quantum Dots. Japanese Journal of Applied Physics, 2000, 39, 3907-3914.	1.5	25
58	Dynamics of magnetic-field-induced clustering in ionic ferrofluids from Raman scattering. Journal of Chemical Physics, 2007, 126, 124701.	3.0	25
59	Exchange instability of the two-dimensional electron gas in semiconductor quantum wells. Physical Review B, 2002, 65, .	3.2	24
60	Cross-plane thermal conductivity reduction of vertically uncorrelated Geâ^•Si quantum dot superlattices. Applied Physics Letters, 2008, 93, .	3.3	24
61	Probing residual strain in InGaAsâ^•GaAs micro-origami tubes by micro-Raman spectroscopy. Journal of Applied Physics, 2006, 99, 063512.	2.5	23
62	Imaging optical near fields at metallic nanoscale voids. Physical Review B, 2008, 78, .	3.2	23
63	Magneto-Optical Enhancement by Plasmon Excitations in Nanoparticle/Metal Structures. Langmuir, 2012, 28, 9010-9020.	3.5	23
64	Electronic subband structure of InP/InxGa1â^'xP quantum islands from high-pressure photoluminescence and photoreflectance. Physical Review B, 1995, 52, 12212-12217.	3.2	22
65	Quantifying local thickness and composition in thin films of organic photovoltaic blends by Raman scattering. Journal of Materials Chemistry C, 2017, 5, 7270-7282.	5.5	22
66	Probing local strain and composition in Ge nanowires by means of tip-enhanced Raman scattering. Nanotechnology, 2013, 24, 185704.	2.6	21
67	Effects of magnetic field gradients on the aggregation dynamics of colloidal magnetic nanoparticles. Soft Matter, 2015, 11, 7606-7616.	2.7	21
68	Remote plasma cleaning of optical surfaces: Cleaning rates of different carbon allotropes as a function of RF powers and distances. Applied Surface Science, 2016, 362, 448-458.	6.1	21
69	Phonon pressure coefficient as a probe of the strain status of self-assembled quantum dots. Applied Physics Letters, 2007, 91, 081914.	3.3	20
70	In-Plane Epitaxial Growth of Self-Assembled Ge Nanowires on Si Substrates Patterned by a Focused Ion Beam. Crystal Growth and Design, 2011, 11, 3190-3197.	3.0	20
71	Red luminescence and ferromagnetism in europium oxynitridosilicates with a Î²-K₂SO₄ structure. Chemical Communications, 2015, 51, 2166-2169.	4.1	20
72	Raman Scattering by Optical Phonons in a Highly Strained InAs/GaAs Monolayer. Physica Status Solidi (B): Basic Research, 1999, 215, 419-424.	1.5	19

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73	Optical Fermi-edge singularities in a one-dimensional electron system with tunable effective mass. Physical Review B, 1995, 51, 4285-4288.	3.2	18
74	Pressure dependence of photoluminescence spectra of self-assembled InAs/GaAs quantum dots. Physica Status Solidi (B): Basic Research, 2003, 235, 496-500.	1.5	18
75	Density control on self-assembling of Ge islands using carbon-alloyed strained SiGe layers. Applied Physics Letters, 2006, 89, 101921.	3.3	18
76	Influence of alloy inhomogeneities on the determination by Raman scattering of composition and strain in Si1â€“xGex/Si(001) layers. Journal of Applied Physics, 2012, 112, 023512.	2.5	18
77	Influence of Si interdiffusion on carbon-induced growth of Ge quantum dots: a strategy for tuning island density. Nanotechnology, 2006, 17, 2602-2608.	2.6	17
78	Inductively coupled remote plasma-enhanced chemical vapor deposition (rPE-CVD) as a versatile route for the deposition of graphene micro- and nanostructures. Carbon, 2017, 117, 331-342.	10.3	17
79	Rare-earth dependence of photoinduced chain-oxygen ordering inRBa2Cu3O7â^'x(xâ‰ˆ0.3)investigated by Raman scattering. Physical Review B, 2001, 65, .	3.2	16
80	Organic position sensitive photodetectors based on lateral donor-acceptor concentration gradients. Applied Physics Letters, 2011, 99, .	3.3	16
81	Vapour printing: patterning of the optical and electrical properties of organic semiconductors in one simple step. Journal of Materials Chemistry, 2012, 22, 4519.	6.7	16
82	Homoconjugation in Light-Emitting Poly(phenylene methylene)s: Origin and Pressure-Enhanced Photoluminescence. Macromolecules, 2020, 53, 7519-7527.	4.8	16
83	Direct evidence for filamentary and channel vortex flow in Pb/In superconducting films. Physical Review B, 1999, 59, R6624-R6627.	3.2	15
84	Evolution of strain and composition during growth and capping of Ge quantum dots with different morphologies. Nanotechnology, 2007, 18, 475401.	2.6	15
85	Real-time studies during coating and post-deposition annealing in organic semiconductors. Thin Solid Films, 2011, 519, 2678-2681.	1.8	15
86	High pressure study of Î“-X mixing in InAs/GaAs quantum dots. Journal of Physics and Chemistry of Solids, 1995, 56, 385-388.	4.0	14
87	Nanocalorimetric high-temperature characterization of ultrathin films of a-Ge. Materials Science in Semiconductor Processing, 2006, 9, 806-811.	4.0	14
88	Using high pressure to unravel the mechanism of visible emission in amorphous Si/SiOxnanoparticles. Physical Review B, 2014, 89, .	3.2	14
89	Enhanced Vortex Damping by Eddy Currents in Superconductor-Semiconductor Hybrids. Physical Review Letters, 2000, 84, 3702-3705.	7.8	13
90	Light-induced oxygen-ordering dynamics in(Y,Pr)Ba2Cu3O6.7: A Raman spectroscopy and Monte Carlo study. Physical Review B, 2004, 70, .	3.2	13

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91	Photoinduced chain-oxygen ordering in detwinnedYBa2Cu3O6.7single crystals studied by reflectance-anisotropy spectroscopy. Physical Review B, 2004, 69, .	3.2	13
92	Effect of light on the reflectance anisotropy and chain-oxygen related Raman signal in untwinned, underdoped crystals of YBa2Cu3O7â˜Î´. Journal of Physics and Chemistry of Solids, 2006, 67, 340-343.	4.0	13
93	Dependence on pressure of the refractive indices of wurtzite ZnO, GaN, and AlN. Physical Review B, 2014, 90, .	3.2	13
94	Optical singularities of the one-dimensional electron gas in semiconductor quantum wires. Surface Science, 1992, 263, 346-350.	1.9	12
95	Strain-induced fundamental optical transition in (In,Ga)As/GaP quantum dots. Applied Physics Letters, 2014, 104, 011908.	3.3	12
96	Comparative study of the pressure dependence of optical-phonon transverse-effective charges and linewidths in wurtzite InN. Physical Review B, 2018, 98, .	3.2	12
97	Optical properties of modulationâ€doped quantum wires fabricated by electron cyclotron resonance reactive ion etching. Applied Physics Letters, 1993, 63, 237-239.	3.3	11
98	Crystallisation of Amorphous Germanium Thin Films. Journal of Nanoscience and Nanotechnology, 2009, 9, 3013-3019.	0.9	11
99	Hydrostatic-pressure dependence of Raman-active optical phonons in Nd:Mg:LiNbO3. Optical Materials, 2013, 36, 581-583.	3.6	11
100	Photoluminescence of Boundâ€Exciton Complexes and Assignment to Shallow Defects in Methylammonium/Formamidinium Lead Iodide Mixed Crystals. Advanced Optical Materials, 2021, 9, 2001969.	7.3	11
101	Rotation-vibrational dynamics of solidC60:A Raman study. Physical Review B, 1999, 60, 13351-13354.	3.2	10
102	Different temperature renormalizations for heavy and light-hole states of monolayer-thick heterostructures. Solid State Communications, 2000, 116, 121-124.	1.9	10
103	Raman spectroscopy on surfacted ferrofluids in a magnetic field. Physical Review E, 2002, 66, 021407.	2.1	10
104	Dependence of the band-gap pressure coefficients of self-assembled InAs/GaAs quantum dots on the quantum dot size. Physica Status Solidi (B): Basic Research, 2007, 244, 53-58.	1.5	10
105	Ellipsometric study of crystallization of amorphous Ge thin films embedded in SiO2. Thin Solid Films, 2008, 516, 4277-4281.	1.8	10
106	Emission colour tuning through coupled N/La introduction in Sr₂SiO₄:Eu²⁺. Journal of Materials Chemistry C, 2015, 3, 11471-11477.	5.5	10
107	Electronic wave functions and optical transitions in (In,Ga)As/GaP quantum dots. Physical Review B, 2016, 94, .	3.2	10
108	Reply to the â€œComment on the publication â€˜Ferroelectricity-free lead halide perovskitesâ€™ by Gomez et al.â€•by Colsmann et al.. Energy and Environmental Science, 2020, 13, 1892-1895.	30.8	10

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109	Inelastic light scattering by electrons in GaAs quantum wires: Spin-density, charge-density and single-particle excitations. Solid-State Electronics, 1994, 37, 1281-1284.	1.4	9
110	High-pressure study of optical transitions in strainedIn0.2Ga0.8As/GaAs multiple quantum wells. Physical Review B, 1996, 54, 13820-13826.	3.2	9
111	Inelastic Light Scattering by Elementary Excitations of the 2D Electron Gas at High Densities. Physica Status Solidi (B): Basic Research, 1999, 215, 347-351.	1.5	9
112	Persistent photo-excitation inGdBa2Cu3O6.5in a simultaneous Raman and electrical-transport experiment. Physical Review B, 2005, 72, .	3.2	9
113	Thermal transport in epitaxial Si_{1â^'x}Ge_xalloy nanowires with varying composition and morphology. Nanotechnology, 2017, 28, 505704.	2.6	9
114	Beating the Thermal Conductivity Alloy Limit Using Long-Period Compositionally Graded Si_{1â€“x}Ge_x Superlattices. Journal of Physical Chemistry C, 2020, 124, 19864-19872.	3.1	9
115	LO-Phonon-plasmon modes in n-GaAs and n-InP under pressure. Journal of Physics and Chemistry of Solids, 1995, 56, 567-570.	4.0	8
116	Photoluminescence of a Pseudomorphic Si_{1â^'y}C_y/Si MQW Structure under Pressure. Physica Status Solidi (B): Basic Research, 1996, 198, 315-320.	1.5	8
117	Raman scattering interferences as a probe of vertical coherence in multilayers of carbon-induced Ge quantum dots. Physical Review B, 2007, 76, .	3.2	8
118	Carbonâ€“Silica Composites to Produce Highly Robust Thinâ€Film Electrochemical Microdevices. Advanced Materials Technologies, 2017, 2, 1700163.	5.8	8
119	Crystal structure determination of karibibite, an Fe3+ arsenite, using electron diffraction tomography. Mineralogical Magazine, 2017, 81, 1191-1202.	1.4	8
120	Measurement of phonon pressure coefficients for a precise determination of deformation potentials in SiGe alloys. Physica Status Solidi (B): Basic Research, 2009, 246, 548-552.	1.5	7
121	Spectroscopic ellipsometry study of FAxMA1â^'xPbI3 hybrid perovskite single crystals. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2019, 37, .	1.2	7
122	Comparing different geometries for photovoltaic-thermoelectric hybrid devices based on organics. Journal of Materials Chemistry C, 2021, 9, 2123-2132.	5.5	7
123	Calculated convoy electron distributions due to electron loss collisions inside solid targets. Nuclear Instruments & Methods in Physics Research B, 1988, 33, 330-333.	1.4	6
124	Resonant Raman scattering in GaAs induced by an embedded InAs monolayer. Physical Review B, 2000, 63, .	3.2	6
125	Raman study of magnetic field effects on surfacted and ionic ferrofluids. Journal of Magnetism and Magnetic Materials, 2004, 277, 96-100.	2.3	6
126	Composition and Strain Imaging of Epitaxial In-Plane SiGe Alloy Nanowires by Micro-Raman Spectroscopy. Journal of Physical Chemistry C, 2015, 119, 22154-22163.	3.1	6

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127	Evaluation of the dielectric function of colloidal Cd1â^'xHgxTe quantum dot films by spectroscopic ellipsometry. Applied Surface Science, 2017, 421, 295-300.	6.1	6
128	A dimerized Kronigâ€"Penney model. American Journal of Physics, 1986, 54, 1018-1021.	0.7	5
129	Electron-electron interactions in 2d electron gases: Inelastic light scattering studies at high pressure. Journal of Physics and Chemistry of Solids, 1995, 56, 367-373.	4.0	5
130	High-Pressure Raman Scattering of Biaxially Strained GaN on GaAs. Materials Research Society Symposia Proceedings, 1997, 468, 225.	0.1	5
131	Magnetoluminescence of Annealed Self-Organized InGaAs/GaAs Quantum Dots. Physica Status Solidi (B): Basic Research, 1999, 215, 313-318.	1.5	5
132	Evidence of spontaneous spin polarization in the two-dimensional electron gas. Physical Review B, 2004, 70, .	3.2	5
133	Size-dependent strain effects in self-assembled CdSe quantum dots with Zn0.38Cd0.23Mg0.39Se barriers. Applied Physics Letters, 2006, 89, 231109.	3.3	5
134	Evidence of breakdown of the spin symmetry in diluted 2D electron gases. Europhysics Letters, 2007, 77, 37003.	2.0	5
135	Raman scattering of capped and uncapped carbon-induced Ge dots under hydrostatic pressure. Physica Status Solidi (B): Basic Research, 2007, 244, 76-81.	1.5	5
136	Growth dynamics of C-induced Ge dots on Si1â^'xGex strained layers. Surface Science, 2007, 601, 2783-2786.	1.9	5
137	Spatial Distribution of Optical Near-Fields in Plasmonic Gold Sphere Segment Voids. Plasmonics, 2013, 8, 921-930.	3.4	5
138	Anisotropic thermoreflectance thermometry: A contactless frequency-domain thermoreflectance approach to study anisotropic thermal transport. Review of Scientific Instruments, 2022, 93, 034902.	1.3	5
139	Diffraction of Low-Energy Ion-Induced Secondary Electrons Emitted in the Forward Direction from a Solid Foil. Physical Review Letters, 1986, 57, 1584-1586.	7.8	4
140	High-Pressure Photoluminescence Studies of Pseudomorphic Si1-yCy/Si MQW Structures. Physica Status Solidi (B): Basic Research, 2000, 219, 103-114.	1.5	4
141	Coupling of intersubband charge-density excitations to longitudinal-optical phonons in modulation-doped GaAs quantum wells. Solid State Communications, 2000, 115, 85-88.	1.9	4
142	Effects of the exchange instability on collective spin and charge excitations of the two-dimensional electron gas. Physical Review B, 2004, 70, .	3.2	4
143	Raman spectroscopy with UV excitation on untwinned single crystals of YBa2Cu3O7â€"Î´. Physica Status Solidi (B): Basic Research, 2004, 241, R63-R66.	1.5	4
144	Ellipsometric measurements of quantum confinement effects on higher interband transitions of Ge nanocrystals. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 888-891.	1.8	4

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145	Effect of Structure and Interlayer Diffusion in Organic Position Sensitive Photodetectors Based on Complementary Wedge Donor/Acceptor Layers. Journal of Nanoscience and Nanotechnology, 2013, 13, 5148-5153.	0.9	4
146	On the observation of electron-hole liquid luminescence under low excitation in Al2O3-passivated c-Si wafers. Physica Status Solidi - Rapid Research Letters, 2014, 8, 943-947.	2.4	4
147	Growth and Characterization of Epitaxial In-plane SiGe Alloy Nanowires. Materials Today: Proceedings, 2015, 2, 548-556.	1.8	4
148	Towards chemically neutral carbon cleaning processes: plasma cleaning of Ni, Rh and Al reflective optical coatings and thin Al filters for free-electron lasers and synchrotron beamline applications. Journal of Synchrotron Radiation, 2018, 25, 1642-1649.	2.4	4
149	Do solid surface potential barriers retard convoy peak electrons?. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1987, 6, 55-59.	1.0	3
150	Coupling between charge-density excitations and polar optical phonons in single quantum wells revisited. Physical Review B, 2006, 73, .	3.2	3
151	Retrieving the spatial distribution of cavity modes in dielectric resonators by near-field imaging and electrodynamics simulations. Nanoscale, 2012, 4, 1620.	5.6	3
152	Valence band structure engineering of thin SiGe/Si quantum wells for piezoresistive applications. Physica Status Solidi (B): Basic Research, 2013, 250, 760-764.	1.5	3
153	Low-temperature resonant Raman asymmetry in 2H-MoS2 under high pressure. Journal of Physics Condensed Matter, 2017, 29, 435702.	1.8	3
154	Localized thinning for strain concentration in suspended germanium membranes and optical method for precise thickness measurement. AIP Advances, 2018, 8, 115131.	1.3	3
155	High-pressure low-temperature study of the exciton absorption in GaAs. High Pressure Research, 1990, 3, 81-83.	1.2	2
156	Magnetoexcitons in Zn0.98Mn0.02Te under High Hydrostatic Pressure. Physica Status Solidi (B): Basic Research, 2001, 223, 171-175.	1.5	2
157	High-pressure photoluminescence study of the electronic structure of InP/GaP quantum dots. Physica Status Solidi (B): Basic Research, 2003, 235, 412-416.	1.5	2
158	Raman-study of photoinduced chain-oxygen ordering in RBa/sub 2/Cu/sub 3/O//sub 7-Î³/. IEEE Transactions on Applied Superconductivity, 2003, 13, 3192-3195.	1.7	2
159	Anisotropic ultraviolet Raman resonance in underdopedYBa2Cu3O6.7. Physical Review B, 2006, 74, .	3.2	2
160	Photoluminescence of CdSe quantum dots with Zn0.38Cd0.23Mg0.39Se barriers under hydrostatic pressure. Physica Status Solidi (B): Basic Research, 2007, 244, 397-401.	1.5	2
161	Investigation of proton damage in III-V semiconductors by optical spectroscopy. Journal of Applied Physics, 2016, 119, 235702.	2.5	2
162	Two-color fluorescence in elytra of the scale-worm Lepidonotus squamatus (Polychaeta, Polynoidae): in vivo spectral characteristic. Materials Today: Proceedings, 2017, 4, 4998-5005.	1.8	2

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163	Multifunctional Switch Based on Spin-Labeled Gold Nanoparticles. Nano Letters, 2022, 22, 768-774.	9.1	2
164	Efficient infrared sunlight absorbers based on gold-covered, inverted silicon pyramid arrays. Materials Advances, 2022, 3, 2364-2372.	5.4	2
165	Ion induced ridge electrons and their diffraction in solid foil targets. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1987, 4, 253-261.	1.0	1
166	Effect of an electric field on electronic excitations in double quantum wells. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 13, 345-348.	2.7	1
167	Photoluminescence of one-dimensional electron gases in cleaved-edge overgrowth quantum wires. Physica Status Solidi (B): Basic Research, 2004, 241, 1041-1045.	1.5	1
168	Recombination dynamics in self-assembled InP/GaP quantum dots under high pressure. Physica Status Solidi (B): Basic Research, 2004, 241, 3263-3268.	1.5	1
169	Preface: phys. stat. sol. (b) 241/14. Physica Status Solidi (B): Basic Research, 2004, 241, 3091-3091.	1.5	1
170	Optical properties and carrier dynamics of InP quantum dots embedded in GaP. , 2004, , .		1
171	Polarized Raman study of self-assembled Ge/Si dots under hydrostatic pressure. Physica Status Solidi (B): Basic Research, 2009, 246, 482-485.	1.5	1
172	Pattern transfer optimization for the fabrication of arrays of silicon nanowires. Microelectronic Engineering, 2010, 87, 1479-1482.	2.4	1
173	Pressure dependence of the electronic structure of a [311] piezoelectric<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Ga</mml:mtext></mml:mrow><mml:mrow><mml:mn>0.85</m Physical Review B, 2010, 82, .	3.2	1
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