

# Maria Isabel Alonso

## List of Publications by Year in descending order

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149  
papers

6,456  
citations

109137

35  
h-index

69108

77  
g-index

151  
all docs

151  
docs citations

151  
times ranked

8952  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reversible Hydration of $\text{CH}_3\text{NH}_3\text{PbI}_3$ in Films, Single Crystals, and Solar Cells. <i>Chemistry of Materials</i> , 2015, 27, 3397-3407.	3.2	1,133
2	Near-band-gap photoluminescence of Si-Ge alloys. <i>Physical Review B</i> , 1989, 40, 5683-5693.	1.1	524
3	Raman spectra of $\text{Si}_{1-x}\text{Ge}_x$ alloys. <i>Physical Review B</i> , 1989, 39, 10056-10062.	1.1	404
4	Experimental and theoretical optical properties of methylammonium lead halide perovskites. <i>Nanoscale</i> , 2016, 8, 6317-6327.	2.8	385
5	Dynamic disorder, phonon lifetimes, and the assignment of modes to the vibrational spectra of methylammonium lead halide perovskites. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 27051-27066.	1.3	325
6	Self-assembly of polyhedral metal-organic framework particles into three-dimensional ordered superstructures. <i>Nature Chemistry</i> , 2018, 10, 78-84.	6.6	298
7	Optical functions and electronic structure of $\text{CuInSe}_2$ , $\text{CuGaSe}_2$ , $\text{CuInS}_2$ , and $\text{CuGaS}_2$ . <i>Physical Review B</i> , 2001, 63, .	1.1	278
8	Optical spectra of $\text{Si}_x\text{Ge}_{1-x}$ alloys. <i>Journal of Applied Physics</i> , 1989, 65, 2827-2832.	1.1	245
9	Optical functions of chalcopyrite $\text{CuGa}_x\text{In}_{1-x}\text{Se}_2$ alloys. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, 659-664.	1.1	160
10	Hydroxypropyl cellulose photonic architectures by soft nanoimprinting lithography. <i>Nature Photonics</i> , 2018, 12, 343-348.	15.6	146
11	Exciton-phonon coupling in diindenoperylene thin films. <i>Physical Review B</i> , 2008, 78, .	1.1	91
12	Space groups and lattice dynamics of Ge/Si superlattices grown in the [001] direction. <i>Solid State Communications</i> , 1989, 69, 479-483.	0.9	86
13	Enhanced Fano Resonance in Asymmetrical Au:Ag Heterodimers. <i>Journal of Physical Chemistry C</i> , 2011, 115, 6410-6414.	1.5	83
14	Phase behaviour of liquid-crystalline polymer/fullerene organic photovoltaic blends: thermal stability and miscibility. <i>Journal of Materials Chemistry</i> , 2011, 21, 10676.	6.7	80
15	Advanced Ellipsometric Characterization of Conjugated Polymer Films. <i>Advanced Functional Materials</i> , 2014, 24, 2116-2134.	7.8	76
16	Equal Footing of Thermal Expansion and Electron-Phonon Interaction in the Temperature Dependence of Lead Halide Perovskite Band Gaps. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 2971-2977.	2.1	64
17	Anisotropic optical properties of single crystalline PTCDA studied by spectroscopic ellipsometry. <i>Organic Electronics</i> , 2002, 3, 23-31.	1.4	63
18	Controlled Molecular Alignment in Phthalocyanine Thin Films on Stepped Sapphire Surfaces. <i>Advanced Functional Materials</i> , 2002, 12, 455-460.	7.8	62

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19	A CO <sub>2</sub> optical sensor based on self-assembled metal-organic framework nanoparticles. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13171-13177.	5.2	62
20	Evidence of quantum confinement effects on interband optical transitions in Si nanocrystals. <i>Physical Review B</i> , 2010, 82, .	1.1	56
21	Composition dependence of the phonon strain shift coefficients of SiGe alloys revisited. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	51
22	Optical and magneto-optical properties of Fe nanoparticles. <i>Physical Review B</i> , 2002, 65, .	1.1	48
23	Optical properties of chalcopyrite CuAl <sub>x</sub> In <sub>1-x</sub> Se <sub>2</sub> alloys. <i>Journal of Applied Physics</i> , 2000, 88, 5796-5801.	1.1	45
24	Reduction of the transverse effective charge of optical phonons in ZnO under pressure. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	43
25	Raman spectra of SiGe superlattices: Theory and experiment. <i>Journal of Applied Physics</i> , 1989, 66, 5645-5648.	1.1	42
26	Strain and composition profiles of self-assembled Ge/Si(001) islands. <i>Journal of Applied Physics</i> , 2005, 98, 033530.	1.1	42
27	Pressure-Induced Locking of Methylammonium Cations versus Amorphization in Hybrid Lead Iodide Perovskites. <i>Journal of Physical Chemistry C</i> , 2018, 122, 22073-22082.	1.5	42
28	Phase Diagram of Methylammonium/Formamidinium Lead Iodide Perovskite Solid Solutions from Temperature-Dependent Photoluminescence and Raman Spectroscopies. <i>Journal of Physical Chemistry C</i> , 2020, 124, 3448-3458.	1.5	42
29	Observation of second sound in a rapidly varying temperature field in Ge. <i>Science Advances</i> , 2021, 7, .	4.7	40
30	Resonant Raman scattering in short-period (Si) <sub>n</sub> /(Ge) <sub>m</sub> superlattices. <i>Physical Review B</i> , 1989, 40, 1361-1364.	1.1	38
31	Poly(3-hexylthiophene) nanowires in porous alumina: internal structure under confinement. <i>Soft Matter</i> , 2014, 10, 3335.	1.2	38
32	Strong optical anisotropies of F16CuPc thin films studied by spectroscopic ellipsometry. <i>Journal of Chemical Physics</i> , 2003, 119, 6335-6340.	1.2	37
33	Growth of Si <sub>1-x</sub> Ge <sub>x</sub> silicon by liquid-phase epitaxy. <i>Journal of Applied Physics</i> , 1987, 62, 4445-4449.	1.1	36
34	Optical investigation of the electronic structure of single ultrathin InAs layers grown pseudomorphically on (100) and (311)A GaAs substrates. <i>Physical Review B</i> , 1994, 50, 1628-1635.	1.1	36
35	Structure, morphology, and optical properties of thin films of F16CuPc grown on silicon dioxide. <i>Organic Electronics</i> , 2004, 5, 135-140.	1.4	36
36	Optical transitions near the band edge in bulk CuIn <sub>x</sub> Ga <sub>1-x</sub> Se <sub>2</sub> from ellipsometric measurements. <i>Materials Chemistry and Physics</i> , 2001, 70, 300-304.	2.0	35

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37	Epitaxial growth of AlN on sapphire (0001) by sputtering: a structural, morphological and optical study. <i>Journal of Crystal Growth</i> , 2002, 242, 116-123.	0.7	34
38	Tailoring thermal conductivity by engineering compositional gradients in Si <sub>1-x</sub> Ge <sub>x</sub> superlattices. <i>Nano Research</i> , 2015, 8, 2833-2841.	5.8	31
39	Investigation of InAs submonolayer and monolayer structures on GaAs(100) and (311) substrates. <i>Journal of Applied Physics</i> , 1993, 74, 7188-7197.	1.1	30
40	Optical properties of CuAlSe <sub>2</sub> . <i>Journal of Applied Physics</i> , 2000, 88, 1923-1928.	1.1	29
41	Ultrathin Semiconductor Superabsorbers from the Visible to the Near-Infrared. <i>Advanced Materials</i> , 2018, 30, 1705876.	11.1	29
42	Spectroscopic Evaluation of Mixing and Crystallinity of Fullerenes in Bulk Heterojunctions. <i>Advanced Functional Materials</i> , 2014, 24, 6972-6980.	7.8	26
43	Cross-plane thermal conductivity reduction of vertically uncorrelated Ge <sub>1-x</sub> Si <sub>x</sub> quantum dot superlattices. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	24
44	Chalcogenide glass-based rib ARROW waveguide. <i>Journal of Non-Crystalline Solids</i> , 2003, 326-327, 455-459.	1.5	23
45	Probing residual strain in InGaAs <sub>1-x</sub> GaAs micro-origami tubes by micro-Raman spectroscopy. <i>Journal of Applied Physics</i> , 2006, 99, 063512.	1.1	23
46	Imaging optical near fields at metallic nanoscale voids. <i>Physical Review B</i> , 2008, 78, .	1.1	23
47	On the complex refractive index of polymer:fullerene photovoltaic blends. <i>Thin Solid Films</i> , 2014, 571, 371-376.	0.8	23
48	Origin of strong intrinsic Kerr effect in FePt and FePd ordered compounds. <i>IEEE Transactions on Magnetics</i> , 1997, 33, 3220-3222.	1.2	21
49	On the determination of anisotropy in polymer thin films: A comparative study of optical techniques. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008, 5, 1270-1273.	0.8	21
50	Probing local strain and composition in Ge nanowires by means of tip-enhanced Raman scattering. <i>Nanotechnology</i> , 2013, 24, 185704.	1.3	21
51	Optical studies of gap, hopping energies, and the Anderson-Hubbard parameter in the zigzag-chain compound SrCuO <sub>2</sub> . <i>Physical Review B</i> , 2001, 63, .	1.1	20
52	Phonon pressure coefficient as a probe of the strain status of self-assembled quantum dots. <i>Applied Physics Letters</i> , 2007, 91, 081914.	1.5	20
53	Uniaxial anisotropy of organic thin films determined by ellipsometry. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008, 205, 927-930.	0.8	20
54	In-Plane Epitaxial Growth of Self-Assembled Ge Nanowires on Si Substrates Patterned by a Focused Ion Beam. <i>Crystal Growth and Design</i> , 2011, 11, 3190-3197.	1.4	20

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55	Surface vs bulk phase transitions in semiconducting polymer films for OPV and OLED applications. <i>Synthetic Metals</i> , 2012, 161, 2570-2574.	2.1	20
56	Optical properties of anisotropic materials: an experimental approach. <i>Thin Solid Films</i> , 2004, 455-456, 124-131.	0.8	19
57	Space groups of Ge/Si superlattices grown along the [110], [111], [112], [120], and [114] directions. <i>Solid State Communications</i> , 1990, 74, 347-351.	0.9	18
58	Self-organization of phthalocyanines on Al <sub>2</sub> O <sub>3</sub> (1120) in aligned and ordered films. <i>Journal of Materials Research</i> , 2004, 19, 2061-2067.	1.2	18
59	Density control on self-assembling of Ge islands using carbon-alloyed strained SiGe layers. <i>Applied Physics Letters</i> , 2006, 89, 101921.	1.5	18
60	Influence of alloy inhomogeneities on the determination by Raman scattering of composition and strain in Si <sub>1-x</sub> Ge <sub>x</sub> /Si(001) layers. <i>Journal of Applied Physics</i> , 2012, 112, 023512.	1.1	18
61	Optical properties of ceria-zirconia epitaxial films grown from chemical solutions. <i>Materials Chemistry and Physics</i> , 2013, 138, 462-467.	2.0	18
62	Influence of Si interdiffusion on carbon-induced growth of Ge quantum dots: a strategy for tuning island density. <i>Nanotechnology</i> , 2006, 17, 2602-2608.	1.3	17
63	Effects of pulsed laser radiation on epitaxial self-assembled Ge quantum dots grown on Si substrates. <i>Nanotechnology</i> , 2011, 22, 295304.	1.3	17
64	High-resolution Raman spectroscopy of Ge-rich Ge <sub>1-x</sub> Si <sub>x</sub> alloys: Features of the Ge-Ge vibrational modes. <i>Physical Review B</i> , 1991, 44, 13120-13123.	1.1	16
65	Raman-scattering study of GaP/InP strained-layer superlattices. <i>Physical Review B</i> , 1992, 45, 9054-9058.	1.1	16
66	Excitonic properties of isolated nanometer-sized InAs islands in a GaAs matrix. <i>Journal of Applied Physics</i> , 1995, 78, 1980-1983.	1.1	16
67	Determination of the dielectric tensor in anisotropic materials. <i>Applied Physics Letters</i> , 1995, 67, 596-598.	1.5	16
68	Organic position sensitive photodetectors based on lateral donor-acceptor concentration gradients. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	16
69	Vapour printing: patterning of the optical and electrical properties of organic semiconductors in one simple step. <i>Journal of Materials Chemistry</i> , 2012, 22, 4519.	6.7	16
70	Optical characterization of InAs monolayer structures grown on (113)A and (001) GaAs substrates. <i>Applied Physics Letters</i> , 1993, 62, 1000-1002.	1.5	15
71	Evolution of strain and composition during growth and capping of Ge quantum dots with different morphologies. <i>Nanotechnology</i> , 2007, 18, 475401.	1.3	15
72	Real-time studies during coating and post-deposition annealing in organic semiconductors. <i>Thin Solid Films</i> , 2011, 519, 2678-2681.	0.8	15

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73	Nanocalorimetric high-temperature characterization of ultrathin films of a-Ge. Materials Science in Semiconductor Processing, 2006, 9, 806-811.	1.9	14
74	Site-controlled growth of Ge nanostructures on Si(100) via pulsed laser deposition nanostenciling. Applied Physics Letters, 2007, 91, 113112.	1.5	14
75	Using high pressure to unravel the mechanism of visible emission in amorphous Si/SiO <sub>x</sub> nanoparticles. Physical Review B, 2014, 89, .	1.1	14
76	DETECTION OF DISLOCATION-RELATED PHOTOLUMINESCENCE BANDS IN SI-GE ALLOYS GROWN BY LIQUID PHASE EPITAXY. , 1990, , 1453-1457.		14
77	Dependence on pressure of the refractive indices of wurtzite ZnO, GaN, and AlN. Physical Review B, 2014, 90, .	1.1	13
78	High-throughput Nanofabrication of Metasurfaces with Polarization-Dependent Response. Advanced Optical Materials, 2020, 8, 2000786.	3.6	13
79	Band-edge states and valence-band offset of GaP/InP strained-layer superlattices. Physical Review B, 1993, 47, 16299-16304.	1.1	12
80	Optical constants of Cu(In <sub>1-x</sub> Ga <sub>x</sub> ) <sub>5</sub> Se <sub>8</sub> crystals. Journal of Applied Physics, 2010, 107, 033502.	1.1	12
81	Ultimate nanopatterning of Si substrate using filtered liquid metal alloy ion source-focused ion beam. Thin Solid Films, 2013, 543, 69-73.	0.8	12
82	Strain-induced fundamental optical transition in (In,Ga)As/GaP quantum dots. Applied Physics Letters, 2014, 104, 011908.	1.5	12
83	Controlled Pinning of Conjugated Polymer Spherulites and Its Application in Detectors. Advanced Optical Materials, 2017, 5, 1700276.	3.6	12
84	Quantifying thermal transport in buried semiconductor nanostructures via cross-sectional scanning thermal microscopy. Nanoscale, 2021, 13, 10829-10836.	2.8	12
85	Crystallisation of Amorphous Germanium Thin Films. Journal of Nanoscience and Nanotechnology, 2009, 9, 3013-3019.	0.9	11
86	Raman spectroscopy as a probe of molecular order, orientation, and stacking of fluorinated copper phthalocyanine (F <sub>16</sub> CuPc) thin films. Journal of Raman Spectroscopy, 2013, 44, 597-607.	1.2	11
87	Comparing the potential of different strategies for colour tuning in thin film photovoltaic technologies. Science and Technology of Advanced Materials, 2018, 19, 823-835.	2.8	11
88	Photoluminescence of Bound Exciton Complexes and Assignment to Shallow Defects in Methylammonium/Formamidinium Lead Iodide Mixed Crystals. Advanced Optical Materials, 2021, 9, 2001969.	3.6	11
89	Influence of tensile and compressive strain on the band gap energy of ordered InGaP. Applied Physics Letters, 2001, 79, 2758-2760.	1.5	10
90	Ellipsometric study of crystallization of amorphous Ge thin films embedded in SiO <sub>2</sub> . Thin Solid Films, 2008, 516, 4277-4281.	0.8	10

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91	Electronic wave functions and optical transitions in (In,Ga)As/GaP quantum dots. <i>Physical Review B</i> , 2016, 94, .	1.1	10
92	Enhanced Photoluminescence of Cesium Lead Halide Perovskites by Quasi-3D Photonic Crystals. <i>Advanced Optical Materials</i> , 2022, 10, 2101324.	3.6	10
93	Ellipsometric measurement of the dielectric tensor of Nd <sup>2+</sup> /x CexCuO <sub>4</sub> . <i>Physical Review B</i> , 1997, 55, 3216-3221.	1.1	9
94	Ellipsometry on Very Thick Multilayer Structures. <i>Physica Status Solidi (B): Basic Research</i> , 1999, 215, 247-251.	0.7	9
95	Thermal transport in epitaxial Si <sub>1-x</sub> Ge <sub>x</sub> alloy nanowires with varying composition and morphology. <i>Nanotechnology</i> , 2017, 28, 505704.	1.3	9
96	Beating the Thermal Conductivity Alloy Limit Using Long-Period Compositionally Graded Si <sub>1-x</sub> Ge <sub>x</sub> Superlattices. <i>Journal of Physical Chemistry C</i> , 2020, 124, 19864-19872.	1.5	9
97	Resonance Raman scattering in pure and ultraheavily doped p-type germanium. <i>Physical Review B</i> , 1988, 37, 10107-10110.	1.1	8
98	Difference frequency Raman scattering and confined optical phonons in ultrashort-period (GaAs) <sub>n</sub> /(AlAs) <sub>n</sub> superlattices. <i>Solid State Communications</i> , 1992, 84, 275-279.	0.9	8
99	Optical determination of growth variants in ordered GaInP. <i>Solid State Communications</i> , 1997, 101, 757-760.	0.9	8
100	Raman scattering interferences as a probe of vertical coherence in multilayers of carbon-induced Ge quantum dots. <i>Physical Review B</i> , 2007, 76, .	1.1	8
101	Piezoelectric-field-induced localization of barrier states in {211}-oriented InAs/GaAs superlattices. <i>Physical Review B</i> , 1993, 47, 12945-12948.	1.1	7
102	Effect of strain and ordering on the band-gap energy of InGaP. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2002, 88, 139-142.	1.7	7
103	Measurement of phonon pressure coefficients for a precise determination of deformation potentials in SiGe alloys. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 548-552.	0.7	7
104	Spectroscopic ellipsometry study of FA <sub>1-x</sub> MA <sub>1-x</sub> PbI <sub>3</sub> hybrid perovskite single crystals. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2019, 37, .	0.6	7
105	Liquid Phase Epitaxy of Si <sub>1-x</sub> Ge <sub>x</sub> (0 < x < 1) On Partially Masked Si-Substrates. <i>Materials Research Society Symposia Proceedings</i> , 1987, 91, 393.	0.1	6
106	Composition and Strain Imaging of Epitaxial In-Plane SiGe Alloy Nanowires by Micro-Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2015, 119, 22154-22163.	1.5	6
107	Evaluation of the dielectric function of colloidal Cd <sub>1-x</sub> Hg <sub>x</sub> Te quantum dot films by spectroscopic ellipsometry. <i>Applied Surface Science</i> , 2017, 421, 295-300.	3.1	6
108	Doping dependence of the ellipsometric spectra of Nd <sup>2+</sup> /x CexCuO <sub>4</sub> single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1998, 299, 41-51.	0.6	5

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109	Size-dependent strain effects in self-assembled CdSe quantum dots with Zn <sub>0.38</sub> Cd <sub>0.23</sub> Mg <sub>0.39</sub> Se barriers. <i>Applied Physics Letters</i> , 2006, 89, 231109.	1.5	5
110	Raman scattering of capped and uncapped carbon-induced Ge dots under hydrostatic pressure. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 76-81.	0.7	5
111	Growth dynamics of C-induced Ge dots on Si <sub>1-x</sub> Ge <sub>x</sub> strained layers. <i>Surface Science</i> , 2007, 601, 2783-2786.	0.8	5
112	Spatial Distribution of Optical Near-Fields in Plasmonic Gold Sphere Segment Voids. <i>Plasmonics</i> , 2013, 8, 921-930.	1.8	5
113	The dielectric tensor of monoclinic 1,3,4,9,10-perylene tetracarboxylic dianhydride in the visible spectral range. <i>Thin Solid Films</i> , 2014, 571, 420-425.	0.8	5
114	Anisotropic thermoreflectance thermometry: A contactless frequency-domain thermoreflectance approach to study anisotropic thermal transport. <i>Review of Scientific Instruments</i> , 2022, 93, 034902.	0.6	5
115	Ellipsometric measurements of quantum confinement effects on higher interband transitions of Ge nanocrystals. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008, 205, 888-891.	0.8	4
116	Modified Stranski-Krastanov growth in Ge/Si heterostructures via nanostenciled pulsed laser deposition. <i>Nanotechnology</i> , 2012, 23, 065603.	1.3	4
117	Effect of Structure and Interlayer Diffusion in Organic Position Sensitive Photodetectors Based on Complementary Wedge Donor/Acceptor Layers. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 5148-5153.	0.9	4
118	Growth and Characterization of Epitaxial In-plane SiGe Alloy Nanowires. <i>Materials Today: Proceedings</i> , 2015, 2, 548-556.	0.9	4
119	Growth and characterization of AlAs/GaNAs multiple quantum wells. <i>Journal of Crystal Growth</i> , 1993, 127, 611-615.	0.7	3
120	Spectral ellipsometry of a nanodiamond composite. <i>Semiconductors</i> , 2006, 40, 829-833.	0.2	3
121	Valence band structure engineering of thin SiGe/Si quantum wells for piezoresistive applications. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 760-764.	0.7	3
122	Localized thinning for strain concentration in suspended germanium membranes and optical method for precise thickness measurement. <i>AIP Advances</i> , 2018, 8, 115131.	0.6	3
123	Optical Properties of Semiconductors. <i>Springer Series in Optical Sciences</i> , 2018, , 89-113.	0.5	3
124	Properties of SiGe Alloys Grown on Si Substrates by Liquid Phase Epitaxy. <i>Materials Research Society Symposia Proceedings</i> , 1987, 102, 419.	0.1	2
125	Modulation excitation spectroscopy: A method to determine the symmetry of electronic states. <i>Applied Physics Letters</i> , 1992, 60, 3277-3279.	1.5	2
126	Optical characterization of AlAs/GaNAs multiple quantum wells. <i>Superlattices and Microstructures</i> , 1992, 12, 207-210.	1.4	2



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127	Aspects of low heterostructure symmetry in (311)A (In,Ga)As/GaAs. Journal of Crystal Growth, 1995, 150, 482-486.	0.7	2
128	Anisotropies in the structural properties of strained (311) (In,Ga)As/GaAs-heterostructures. Journal Physics D: Applied Physics, 1995, 28, A159-A163.	1.3	2
129	Photoluminescence of CdSe quantum dots with Zn <sub>0.38</sub> Cd <sub>0.23</sub> Mg <sub>0.39</sub> Se barriers under hydrostatic pressure. Physica Status Solidi (B): Basic Research, 2007, 244, 397-401.	0.7	2
130	Organic-Inorganic Hybrid Perovskite Solar Cells. Springer Series in Optical Sciences, 2018, , 463-507.	0.5	2
131	Efficient infrared sunlight absorbers based on gold-covered, inverted silicon pyramid arrays. Materials Advances, 2022, 3, 2364-2372.	2.6	2
132	Structural and optical investigation of GaInAs/GaAs {h 11} structures grown by molecular beam epitaxy. Materials Science and Technology, 1998, 14, 1279-1282.	0.8	1
133	Ellipsometric characterisation of ordered Ga <sup>0.5</sup> In <sup>0.5</sup> P. Materials Science and Technology, 1998, 14, 1283-1285.	0.8	1
134	Polarized Raman study of self-assembled Ge/Si dots under hydrostatic pressure. Physica Status Solidi (B): Basic Research, 2009, 246, 482-485.	0.7	1
135	Pattern transfer optimization for the fabrication of arrays of silicon nanowires. Microelectronic Engineering, 2010, 87, 1479-1482.	1.1	1
136	Pressure dependence of the electronic structure of a [311] piezoelectric $Ga_{1-x}Al_xAs$ . Physical Review B, 2010, 82, .	1.1	1
137	Spectroscopic imaging ellipsometry of self-assembled SiGe/Si nanostructures. Applied Surface Science, 2017, 421, 547-552.	3.1	1
138	Organic Solar Cells. Springer Series in Optical Sciences, 2018, , 439-461.	0.5	1
139	Organic Semiconductors. Springer Series in Optical Sciences, 2018, , 427-469.	0.5	1
140	Spin orientation by optical pumping in In <sub>x</sub> Ga <sub>1-x</sub> As/AlAs multiple quantum wells. Solid State Communications, 1994, 91, 703-707.	0.9	0
141	Spectral ellipsometry of amorphous hydrogenated carbon grown by magnetron sputtering of graphite. Semiconductors, 2003, 37, 1211-1213.	0.2	0
142	SNOM Characterization of Self-Assembled Organic Nanocrystals. AIP Conference Proceedings, 2007, , .	0.3	0
143	Strain profile of the wall of semiconductor microtubes: A micro-Raman study. Physica Status Solidi (B): Basic Research, 2007, 244, 380-385.	0.7	0
144	Nature of the optical transition in (In,Ga)As(N)/GaP quantum dots (QDs): Effect of QD size, indium composition and nitrogen incorporation. , 2013, , .		0

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145	Composition dependent nature of the fundamental optical transition in (In, Ga)As/GaP quantum dots. , 2014, , .		0
146	Conjugated Polymers: Relationship Between Morphology and Optical Properties. Springer Series in Surface Sciences, 2018, , 335-353.	0.3	0
147	Caracterizaci3n estructural mediante elipsometrAa espectral de multicapas basadas en SiO2. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2000, 39, 729-734.	0.9	0
148	Local Phonons in Strained Superlattices. , 1993, , 73-82.		0
149	Characterisation of complex multilayer structures using spectroscopic ellipsometry. European Physical Journal Special Topics, 1999, 09, Pr8-1195-Pr8-1202.	0.2	0