Gunther Springholz

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8681074/publications.pdf

Version: 2024-02-01

313	6,772	66234	114278
papers	citations	42 h-index	63 g-index

324	324	324	5352
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Self-Organized Growth of Three- Dimensional Quantum-Dot Crystals with fcc-Like Stacking and a Tunable Lattice Constant. , 1998, 282, 734-737.		433
2	Strain Induced Vertical and Lateral Correlations in Quantum Dot Superlattices. Physical Review Letters, 1999, 83, 356-359.	2.9	246
3	Large magnetic gap at the Dirac point in Bi2Te3/MnBi2Te4 heterostructures. Nature, 2019, 576, 423-428.	13.7	189
4	Multiple-stable anisotropic magnetoresistance memory in antiferromagnetic MnTe. Nature Communications, 2016, 7, 11623.	5.8	169
5	Auger recombination dynamics of lead salts under picosecond free-electron-laser excitation. Physical Review B, 1998, 58, 12908-12915.	1.1	145
6	Tuning of Vertical and Lateral Correlations in Self-OrganizedPbSe/Pb1âˆ'xEuxTeQuantum Dot Superlattices. Physical Review Letters, 2000, 84, 4669-4672.	2.9	140
7	Negligible Surface Reactivity of Topological Insulators Bi₂Se₃ and Bi₂Te₃ towards Oxygen and Water. ACS Nano, 2013, 7, 5181-5191.	7.3	118
8	Direct formation of self-assembled quantum dots under tensile strain by heteroepitaxy of PbSe on PbTe (111). Applied Physics Letters, 1998, 73, 250-252.	1.5	110
9	Nonmagnetic band gap at the Dirac point of the magnetic topological insulator (Bi1âˆ'xMnx)2Se3. Nature Communications, 2016, 7, 10559.	5.8	102
10	Centrosymmetric PbTeâ•CdTe quantum dots coherently embedded by epitaxial precipitation. Applied Physics Letters, 2006, 88, 192109.	1.5	95
11	Kinetic Growth Instabilities on Vicinal Si(001) Surfaces. Physical Review Letters, 1999, 83, 995-998.	2.9	86
12	Electronic and optical properties of PbTe/Pb1âˆ'xEuxTe multiple-quantum-well structures. Physical Review B, 1994, 49, 5476-5489.	1.1	77
13	On the microscopic origin of the kinetic step bunching instability on vicinal Si(). Surface Science, 2002, 520, 193-206.	0.8	77
14	Photoemission of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Bi</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow><mml:mm Circularly Polarized Light: Probe of Spin Polarization or Means for Spin Manipulation?. Physical Review X, 2014, 4, .	2.8	76
15	Disentangling bulk and surface Rashba effects in ferroelectric<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î±</mml:mi></mml:math>-GeTe. Physical Review B, 2016, 94, .	1.1	74
16	Spiral growth and threading dislocations for molecular beam epitaxy of PbTe on BaF2 (111) studied by scanning tunneling microscopy. Applied Physics Letters, 1996, 69, 2822-2824.	1.5	71
17	Evolution of hexagonal lateral ordering in strain-symmetrizedPbSe/Pb1âˆ'xEuxTequantum-dot superlattices. Physical Review B, 1999, 60, 11524-11529.	1.1	70
18	Midinfrared surface-emitting PbSe/PbEuTe quantum-dot lasers. Applied Physics Letters, 2001, 79, 1225-1227.	1.5	70

#	Article	IF	Citations
19	Growth, Structure, and Electronic Properties of Epitaxial Bismuth Telluride Topological Insulator Films on BaF₂ (111) Substrates. Crystal Growth and Design, 2013, 13, 3365-3373.	1.4	70
20	Mnâ€Rich MnSb₂Te₄: A Topological Insulator with Magnetic Gap Closing at High Curie Temperatures of 45â€“50 K. Advanced Materials, 2021, 33, e2102935.	11.1	70
21	Entanglement and manipulation of the magnetic and spinâ€“orbit order in multiferroic Rashba semiconductors. Nature Communications, 2016, 7, 13071.	5.8	68
22	Nanoscale Dislocation Patterning inPbTe/PbSe(001)Lattice-Mismatched Heteroepitaxy. Physical Review Letters, 2001, 88, 015507.	2.9	67
23	Dispersion of absorption and refractive index of PbTe andPb1âˆ'xEuxTe (x<0.05) below and above the fundamental gap. Physical Review B, 1993, 47, 7213-7226.	1.1	60
24	Size control and midinfrared emission of epitaxial PbTeâ•CdTe quantum dot precipitates grown by molecular beam epitaxy. Applied Physics Letters, 2007, 91, 222106.	1.5	57
25	Phase separation and exchange biasing in the ferromagnetic IV-VI semiconductor Ge1âˆ'xMnxTe. Applied Physics Letters, 2010, 97, 023101.	1.5	57
26	MBE of high mobility PbTe films and PbTe/Pb1-xEuxTe heterostructures. Journal of Crystal Growth, 1993, 127, 302-307.	0.7	56
27	Above-room-temperature mid-infrared lasing from vertical-cavity surface-emitting PbTe quantum-well lasers. Applied Physics Letters, 2001, 78, 862-864.	1.5	55
28	Vertical and lateral ordering in self-organized quantum dot superlattices. Physica E: Low-Dimensional Systems and Nanostructures, 2001, 9, 149-163.	1.3	54
29	Molecular beam epitaxy of single phase GeMnTe with high ferromagnetic transition temperature. Journal of Crystal Growth, 2011, 323, 363-367.	0.7	53
30	Magnetic-Field-Induced Ferroelectric Polarization Reversal in the Multiferroic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Ge</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo mathvariant="bold">âˆ'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub><mml:msub><mml:mi>Mn</mml:mi><mml:mi>x</mml:mi></m Physical Review Letters, 2014, 112, 047202.	2.9	53
31	Molecular beam epitaxy of strained PbTe/EuTe superlattices. Applied Physics Letters, 1993, 62, 2399-2401.	1.5	51
32	Oswald ripening and shape transitions of self-assembled PbSe quantum dots on PbTe (111) during annealing. Applied Physics Letters, 2000, 77, 2991-2993.	1.5	50
33	4.8 Î¼m vertical emitting PbTe quantum-well lasers based on high-finesse EuTe/Pb1âˆ'xEuxTe microcavities. Applied Physics Letters, 2000, 76, 1807-1809.	1.5	50
34	Temperature-dependent midinfrared photoluminescence of epitaxial PbTe/CdTe quantum dots and calculation of the corresponding transition energy. Physical Review B, 2008, 78, .	1.1	50
35	Magnetic anisotropy in antiferromagnetic hexagonal MnTe. Physical Review B, 2017, 96, .	1.1	49
36	Strain relaxation by coherent three-dimensional islanding in molecular-beam epitaxy of EuTe on PbTe(111). Physical Review B, 1993, 48, 10998-11009.	1.1	48

#	Article	IF	Citations
37	Massive and massless Dirac fermions in Pb1â^'xSnxTe topological crystalline insulator probed by magneto-optical absorption. Scientific Reports, 2016, 6, 20323.	1.6	48
38	Imaging of Misfit Dislocation Formation in Strained Layer Heteroepitaxy by Ultrahigh Vacuum Scanning Tunneling Microscopy. Physical Review Letters, 1994, 73, 2236-2239.	2.9	47
39	Exchange interactions in europium monochalcogenide magnetic semiconductors and their dependence on hydrostatic strain. Physical Review B, 2010, 81, .	1.1	47
40	Modulation doping and observation of the integral quantum Hall effect in PbTe/Pb1â^'xEuxTe multiquantum wells. Applied Physics Letters, 1993, 63, 2908-2910.	1.5	45
41	Spin-Induced Optical Second Harmonic Generation in the Centrosymmetric Magnetic Semiconductors EuTe and EuSe. Physical Review Letters, 2009, 103, 057203.	2.9	45
42	Midinfrared continuous-wave photoluminescence of leadâ€“salt structures up to temperatures of 190â€ŠÂ°C. Applied Physics Letters, 2003, 82, 4065-4067.	1.5	44
43	Ultra-steep side facets in multi-faceted SiGe/Si(001) Stranski-Krastanow islands. Nanoscale Research Letters, 2011, 6, 70.	3.1	44
44	Giant Rashba Splitting in Pb_{1â€“}_xSn_xTe (111) Topological Crystalline Insulator Films Controlled by Bi Doping in the Bulk. Advanced Materials, 2017, 29, 1604185.	11.1	44
45	Interband Faraday and Kerr rotation and magnetization ofPb1â^'xEuxTein the concentration range 0<xâ©½1. Physical Review B, 1999, 60, 8117-8128.	1.1	43
46	Midinfrared IVâ€“VI vertical-cavity surface-emitting lasers with zero-, two-, and three-dimensional systems in the active regions. Applied Physics Letters, 2002, 81, 208-210.	1.5	43
47	Magnetic interactions in EuTe epitaxial layers and EuTe/PbTe superlattices. Physical Review B, 2003, 68, .	1.1	42
48	Negative Longitudinal Magnetoresistance from the Anomalous N=0 Landau Level in Topological Materials. Physical Review Letters, 2017, 119, 106602.	2.9	42
49	Magnetoreflectivity ofPb1â^'xEuxTe epilayers and PbTe/Pb1â^'xEuxTe multiple quantum wells. Physical Review B, 1997, 55, 4607-4619.	1.1	39
50	Formation of Ge Nanoripples on Vicinal Si (1110): From Stranski-Krastanow Seeds to a Perfectly Faceted Wetting Layer. Physical Review Letters, 2012, 108, 055503.	2.9	39
51	Electron localization innâ^'Pb1â^'xEuxTe. Physical Review B, 1999, 59, 12983-12990.	1.1	38
52	Strain Induced Changes in the Magnetic Phase Diagram of Metamagnetic HeteroepitaxialEuSe/PbSe1â^'xTexMultilayers. Physical Review Letters, 2005, 94, 157201.	2.9	36
53	Midinfrared electroluminescence from PbTe/CdTe quantum dot light-emitting diodes. Applied Physics Letters, 2011, 98, .	1.5	36
54	Structure and composition of bismuth telluride topological insulators grown by molecular beam epitaxy. Journal of Applied Crystallography, 2014, 47, 1889-1900.	1.9	36

#	Article	IF	Citations
55	Strain contrast in scanning tunneling microscopy imaging of subsurface dislocations in lattice-mismatched heteroepitaxy. Applied Surface Science, 1997, 112, 12-22.	3.1	33
56	Ultra-high-finesse IVâ€“VI microcavities for the midinfrared. Applied Physics Letters, 1999, 75, 1246-1248.	1.5	33
57	Structural and electronic properties of manganese-doped Bi₂Te₃epitaxial layers. New Journal of Physics, 2015, 17, 013028.	1.2	33
58	New kinetic growth instabilities in Si(001) homoepitaxy. Thin Solid Films, 2000, 369, 1-4.	0.8	32
59	Si1â^'xGexgrowth instabilities on vicinal Si(001) substrates: Kinetic vs. strain-induced effects. Physical Review B, 2001, 64, .	1.1	31
60	Disorder suppression and precise conductance quantization in constrictions of PbTe quantum wells. Physical Review B, 2005, 72, .	1.1	31
61	Topological quantum phase transition from mirror to time reversal symmetry protected topological insulator. Nature Communications, 2017, 8, 968.	5.8	31
62	Three-dimensional stacking of self-assembled quantum dots in multilayer structures. Comptes Rendus Physique, 2005, 6, 89-103.	0.3	30
63	Emission properties of 6.7Î¼m continuous-wave PbSe-based vertical-emitting microcavity lasers operating up to 100K. Applied Physics Letters, 2005, 86, 031102.	1.5	30
64	Evaluation of Ordering in Single-Component and Binary Nanocrystal Superlattices by Analysis of Their Autocorrelation Functions. ACS Nano, 2011, 5, 1703-1712.	7.3	30
65	Operando Imaging of All-Electric Spin Texture Manipulation in Ferroelectric and Multiferroic Rashba Semiconductors. Physical Review X, 2018, 8, .	2.8	30
66	Room temperature operation of epitaxial lead-telluride detectors monolithically integrated on midinfrared filters. Applied Physics Letters, 2006, 88, 041105.	1.5	29
67	Doping studies for molecular beam epitaxy of PbTe and Pb1 â^' xEuxTe. Thin Solid Films, 1997, 306, 320-325.	0.8	28
68	Critical thickness and strain relaxation in high-misfit heteroepitaxial systems:PbTe1â^'xSexon PbSe (001). Physical Review B, 2004, 69, .	1.1	28
69	Quantum dots with coherent interfaces between rocksalt-PbTe and zincblende-CdTe. Journal of Applied Physics, 2007, 101, 081723.	1.1	28
70	Twin domain imaging in topological insulator Bi₂Te₃ and Bi₂Se₃ epitaxial thin films by scanning X-ray nanobeam microscopy and electron backscatter diffraction. Journal of Applied Crystallography, 2017, 50, 369-377.	1.9	28
71	Molecular beam epitaxy of PbTe/EuTe superlattices and their structural investigation by xâ€ray diffraction using reciprocal space mapping. Journal of Applied Physics, 1993, 74, 6062-6071.	1.1	27
72	Systematic study of PbTe (111) molecularâ€beam epitaxy using reflection highâ€energy electronâ€diffraction intensity oscillations. Journal of Applied Physics, 1995, 77, 540-552.	1.1	27

#	Article	IF	Citations
73	6 [micro sign]m vertical cavity surface emitting laser based on IV-VI semiconductor compounds. Electronics Letters, 2000, 36, 322.	0.5	27
74	Giant tunability of exciton photoluminescence emission in antiferromagnetic EuTe. Physical Review B, 2001, 63, .	1.1	27
75	Band-edge polarized optical absorption in europium chalcogenides. Physical Review B, 2005, 72, .	1.1	27
76	Dirac parameters and topological phase diagram of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">P</mml:mi><mml:msub><mml:mi mathvariant="normal">b</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:msub><mml:mi mathvariant="normal">n</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:mi>Se</mml:mi></mml:mrow></mml:math>	1.1	27
77	Near room temperature continuous-wave laser operation from type-I interband transitions at wavelengths beyond 4â€‚Î¼m. Applied Physics Letters, 2010, 97, 061103.	1.5	26
78	Atomic structure of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>Se</mml:mi></mml:mrow></mml:math> <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>Te</mml:mi></mml:mrow></mml:math> surfaces probed by photoelectron diffraction and holography. Physical Review B, 2015, 91, .	1.1	26
79	Large refractive index enhancement in PbTe/Pb1â^’xEuxTe multiquantumâ€‘well structures. Applied Physics Letters, 1993, 62, 885-887.	1.5	25
80	plasma etching of IV-VI semiconductor nanostructures. Semiconductor Science and Technology, 1999, 14, L11-L14.	1.0	25
81	Interband absorption edge in the topological insulators <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>Te</mml:mi></mml:mrow></mml:math> Physical Review B, 2017, 96, .	1.1	25
82	Surface roughening transition and critical layer thickness in strainedâ€‘layer heteroepitaxy of EuTe on PbTe (111). Applied Physics Letters, 1994, 64, 2970-2972.	1.5	24
83	The origin of surface roughening in lattice-mismatched Frank van der Merwe type heteroepitaxy. Thin Solid Films, 1995, 267, 15-23.	0.8	24
84	Magnetic polaron induced near-band-gap luminescence in epitaxial EuTe. Physical Review B, 2004, 70, .	1.1	24
85	Magnetic polarons in Eu-based films of magnetic semiconductors. Physical Review B, 2010, 81, .	1.1	24
86	Quantum ballistic transport in constrictions ofn-PbTe. Physical Review B, 1999, 60, R5133-R5136.	1.1	23
87	Self-assembled growth of highly oriented para- sexiphenyl thin films. Synthetic Metals, 2001, 121, 1379-1380.	2.1	23
88	Controlling the size and density of self-assembled PbSe quantum dots by adjusting the substrate temperature and layer thickness. Applied Physics Letters, 2002, 81, 2457-2459.	1.5	23
89	Shape transitions and island nucleation for Si/Ge molecular beam epitaxy on stripe-patterned Si (001) substrate. Physical Review B, 2009, 80, .	1.1	23
90	Magnetooptical determination of a topological index. Npj Quantum Materials, 2017, 2, .	1.8	23

#	Article	IF	Citations
91	Resonant photoemission studies ofPb1â^'xEuxTe. Physical Review B, 1996, 53, 4534-4538.	1.1	22
92	On the origin of the kinetic growth instability of homoepitaxy on Si(001). Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2002, 89, 410-414.	1.7	22
93	Ferroelectric Self-Poling in GeTe Films and Crystals. Crystals, 2019, 9, 335.	1.0	22
94	Investigation of Pb1â^'xEuxTe molecular beam epitaxy by reflection highâ€energy electron diffraction intensity oscillations. Applied Physics Letters, 1992, 60, 1600-1602.	1.5	21
95	Strain-induced self-organized growth of nanostructures: From step bunching to ordering in quantum dot superlattices. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2000, 18, 2187.	1.6	21
96	High-resolution x-ray diffraction from self-organized PbSe/PbEuTe quantum dot superlattices. Journal Physics D: Applied Physics, 2001, 34, A1-A5.	1.3	21
97	PbTeâ€"A new medium for quantum ballistic devices. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 34, 560-563.	1.3	21
98	Ultrafast dynamics of antiferromagnetic order studied by femtosecond resonant soft x-ray diffraction. Applied Physics Letters, 2010, 97, 062502.	1.5	21
99	Epitaxial Metal Halide Perovskites by Inkjetâ€Printing on Various Substrates. Advanced Functional Materials, 2020, 30, 2004612.	7.8	21
100	Interlayer coupling in (111) AFM multilayers. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 635-636.	1.0	20
101	Scanning-tunneling-microscopy observation of stress-driven surface diffusion due to localized strain fields of misfit dislocations in heteroepitaxy. Physical Review B, 1996, 54, 4500-4503.	1.1	20
102	Optical second harmonic generation in the centrosymmetric magnetic semiconductors EuTe and EuSe. Physical Review B, 2010, 81, .	1.1	20
103	Tunable Dirac interface states in topological superlattices. Physical Review B, 2018, 98, .	1.1	20
104	The observation of the integral quantum Hall effect in PbTe/Pb1â^'xEuxTe quantum well structures. Solid State Communications, 1994, 89, 693-696.	0.9	19
105	Ordering parameters of self-organized three-dimensional quantum-dot lattices determined from anomalous x-ray diffraction. Applied Physics Letters, 2004, 84, 885-887.	1.5	19
106	Continuous-wave emission from midinfrared IVâ€"VI vertical-cavity surface-emitting lasers. Applied Physics Letters, 2004, 84, 3268-3270.	1.5	19
107	Antiferromagnetic Order with Atomic Layer Resolution In EuTe(111) Films. Physical Review Letters, 2008, 101, 267202.	2.9	19
108	Molecular beam epitaxy of highly faceted self-assembled IVâ€"VI quantum dots with bimodal size distribution. Journal of Crystal Growth, 1999, 201-202, 1126-1130.	0.7	18

#	Article	IF	Citations
109	Molecular Beam Epitaxy of Narrowgap IV-VI Semiconductors. Series on Directions in Condensed Matter Physics, 1999, , 621-688.	0.1	18
110	Lateral and vertical ordering of self-assembled PbSe quantum dots studied by high-resolution X-ray diffraction. Physica B: Condensed Matter, 2000, 283, 65-68.	1.3	18
111	Magnetic-field-tunable photoluminescence transitions in antiferromagnetic EuTe epilayers layers with an effective g factor of 1140. Applied Physics Letters, 2001, 78, 3484-3486.	1.5	18
112	Raman and interband optical spectra of epitaxial layers of the topological insulators Bi₂Te₃and Bi₂Se₃on BaF₂substrates. Physica Scripta, 2014, T162, 014007.	1.2	18
113	Magnetic and structural properties of Mn-doped Bi2Se3 topological insulators. Physica B: Condensed Matter, 2016, 481, 262-267.	1.3	18
114	Interdiffusion in Pb1â^'xEuxSe/PbSe multi-quantum-well structures. Journal of Crystal Growth, 1991, 113, 593-598.	0.7	17
115	Improved nucleation and spiral growth of PbTe on BaF2(1 1 1). Journal of Crystal Growth, 1997, 175-176, 1022-1027.	0.7	17
116	Self-organized lateral ordering for vertically aligned PbSe/PbEuTe quantum-dot superlattices. Applied Physics Letters, 2002, 80, 1273-1275.	1.5	17
117	Highly ordered anisotropic nano-needles in para-sexiphenyl films. Thin Solid Films, 2002, 403-404, 444-448.	0.8	17
118	Spin alignment of electrons in PbTe/(Pb,Eu)Te nanostructures. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 13, 649-652.	1.3	17
119	Ballistic transport in PbTe-based nanostructures. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 20, 236-245.	1.3	17
120	Mid-infrared high finesse microcavities and vertical-cavity lasers based on IVâ€“VI semiconductor/BaF2 broadband Bragg mirrors. Journal of Applied Physics, 2007, 101, 093102.	1.1	17
121	Lead salt microdisk lasers operating in continuous wave mode at 5.3â€‚Î¼m wavelength. Applied Physics Letters, 2009, 94, 021118.	1.5	17
122	Type I/type II band alignment transition in strained PbSeâ^•PbEuSeTe multiquantum wells. Applied Physics Letters, 2009, 95, .	1.5	17
123	Low temperature growth of PbTe and of PbTe/Pb1â^'xEuxTe multi-quantum wells by molecular beam epitaxy. Journal of Crystal Growth, 1994, 144, 157-172.	0.7	16
124	Self-organized growth of three-dimensional IVâ€“VI semiconductor quantum dot crystals with fcc-like vertical stacking and tunable lattice constant. Surface Science, 2000, 454-456, 657-670.	0.8	16
125	Dot size dependence of vertical and lateral ordering in self-organized PbSe/Pb1â^'xEuxTe quantum-dot superlattices. Applied Physics Letters, 2003, 82, 799-801.	1.5	16
126	IVâ€“VI resonant-cavity enhanced photodetectors for the mid-infrared. Semiconductor Science and Technology, 2004, 19, L115-L117.	1.0	16

#	Article	IF	Citations
127	Lateral photocurrent spectroscopy on self-assembled PbSe quantum dots. Applied Physics Letters, 2006, 88, 201105.	1.5	16
128	Optical third-harmonic spectroscopy of the magnetic semiconductor EuTe. Physical Review B, 2010, 82, .	1.1	16
129	Analysis of periodic dislocation networks using x-ray diffraction and extended finite element modeling. Applied Physics Letters, 2010, 96, 131905.	1.5	16
130	Optical phonons inPb1â^'xEuxTeepilayers andPbTe/EuTesuperlattices: Berreman effect. Physical Review B, 2001, 64, .	1.1	15
131	Applications of lead-salt microcavities for mid-infrared devices. IEE Proceedings: Optoelectronics, 2003, 150, 332.	0.8	15
132	Near-equilibrium strain relaxation and misfit dislocation interactions in PbTe on PbSe (001) heteroepitaxy. Applied Physics Letters, 2003, 83, 5160-5162.	1.5	15
133	Surface Exchange and Shape Transitions of PbSe Quantum Dots during Overgrowth. Physical Review Letters, 2006, 97, 266103.	2.9	15
134	Molecular beam epitaxy of IVâ€“VI semiconductor hetero- and nano-structures. Physica Status Solidi (B): Basic Research, 2007, 244, 2752-2767.	0.7	15
135	One-Dimensional to Three-Dimensional Ripple-to-Dome Transition for SiGe on Vicinal Si (1 1 10). Physical Review Letters, 2012, 109, 025505.	2.9	15
136	Dirac Landau Level Spectroscopy in Pb1â^'xSnxSe and Pb1â^'xSnxTe across the Topological Phase Transition: A Review. Crystals, 2017, 7, 29.	1.0	15
137	Exchange-mediated magnetic blue-shift of the band-gap energy in the antiferromagnetic semiconductor MnTe. New Journal of Physics, 2020, 22, 083029.	1.2	15
138	Molecular beam epitaxyâ€”aspects and applications. Vacuum, 1992, 43, 357-365.	1.6	14
139	High-reflectivity lead-salt-based Bragg mirrors for the mid-infrared range. IEEE Journal of Quantum Electronics, 1999, 35, 1753-1758.	1.0	14
140	Contact superconductivity in Inâ€“PbTe junctions. Journal of Applied Physics, 2010, 108, 053714.	1.1	14
141	Optical third harmonic generation in the magnetic semiconductor EuSe. Physical Review B, 2012, 85, .	1.1	14
142	Self-organized ordering in self-assembled quantum dot superlattices. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2002, 88, 143-152.	1.7	13
143	Strain relaxation and dislocation patterning in PbTe/PbSe (001) lattice-mismatched heteroepitaxy. Applied Surface Science, 2002, 188, 49-54.	3.1	13
144	Growth temperature and coverage dependence of vertical and lateral ordering in self-assembled PbSe quantum-dot superlattices. Physical Review B, 2003, 67, .	1.1	13

#	Article	IF	Citations
145	Highly efficient epitaxial Bragg mirrors with broad omnidirectional reflectance bands in the midinfrared. Applied Physics Letters, 2006, 89, 051110.	1.5	13
146	Temperature dependent band offsets in PbSe/PbEuSe quantum well heterostructures. Applied Physics Letters, 2012, 101, .	1.5	13
147	Equilibrium phase diagrams for the elongation of epitaxial quantum dots into hut-shaped clusters and quantum wires. Physical Review B, 2014, 89, .	1.1	13
148	Ferroelectric phase transitions in multiferroicGe1â^'xMnxTedriven by local lattice distortions. Physical Review B, 2016, 94, .	1.1	13
149	Influence of an Anomalous Temperature Dependence of the Phase Coherence Length on the Conductivity of Magnetic Topological Insulators. Physical Review Letters, 2019, 123, 036406.	2.9	13
150	Fully spin-polarized bulk states in ferroelectric GeTe. Physical Review Research, 2020, 2, .	1.3	13
151	Local surface deformations induced by interfacial misfit dislocations in lattice-mismatched heteroepitaxy of EuTe on PbTe(111). Surface Science, 1996, 365, 453-460.	0.8	12
152	Shape and composition of buried PbSe quantum dots determined by scanning tunneling microscopy. Applied Physics Letters, 2007, 90, 113119.	1.5	12
153	Self-aligned fabrication of in-plane SiGe nanowires on rib-patterned Si (001) substrates. Applied Physics Letters, 2011, 99, 043103.	1.5	12
154	Structure Inversion Asymmetry and Rashba Effect in Quantum Confined Topological Crystalline Insulator Heterostructures. Advanced Functional Materials, 2021, 31, 2008885.	7.8	12
155	Triple-Point Fermions in Ferroelectric GeTe. Physical Review Letters, 2021, 126, 206403.	2.9	12
156	Observation of large-scale surface undulations due to inhomogeneous dislocation strain fields in lattice-mismatched epitaxial layers. Applied Physics Letters, 1999, 75, 3099-3101.	1.5	11
157	Midinfrared absorption ofPbSe/Pb1â^'xEuxTequantum dot superlattices in IV-VI microcavities. Physical Review B, 2002, 65, .	1.1	11
158	Self-assembled in-plane Ge nanowires on rib-patterned Si (1â€‰1â€‰10) templates. Physical Review B, 2014, 90,	1.1	11
159	Ferromagnetic phase transition in topological crystalline insulator thin films: Interplay of anomalous Hall angle and magnetic anisotropy. Physical Review B, 2019, 100, .	1.1	11
160	Novel magnetic phase transition behavior in short period EuTe/PbTe superlattice. Solid-State Electronics, 1994, 37, 1073-1076.	0.8	10
161	Magnetization studies of type-II antiferromagnetic EuTe/PbTe superlattices. Physical Review B, 1996, 54, 402-410.	1.1	10
162	Antiferromagnetic phase transition and interlayer spin correlations in short-period EuTe/PbTe superlattices. Physica E: Low-Dimensional Systems and Nanostructures, 1998, 2, 399-403.	1.3	10

#	Article	IF	Citations
163	Strain determination in multilayers by complementary anomalous x-ray diffraction. Physical Review B, 2004, 69, .	1.1	10
164	Kinetic Monte Carlo simulation of self-organized growth of PbSe/PbEuTe quantum dot multilayers. Physical Review B, 2009, 80, .	1.1	10
165	Absence of nonlocal resistance in microstructures of PbTe quantum wells. Physica Status Solidi (B): Basic Research, 2013, 250, 37-47.	0.7	10
166	Vertical external cavity surface emitting PbTe/CdTe quantum dot lasers for the mid-infrared spectral region. Optics Letters, 2014, 39, 6577.	1.7	10
167	Real-time observation of nanoscale topological transitions in epitaxial PbTe/CdTe heterostructures. APL Materials, 2014, 2, 012105.	2.2	10
168	Absorption edge, urbach tail, and electron-phonon interactions in topological insulator Bi2Se3 and band insulator (Bi0.89In0.11)2Se3. Applied Physics Letters, 2019, 114, .	1.5	10
169	Spin-resolved electronic structure of ferroelectric Î±-GeTe and multiferroic Ge1â^'Mn Te. Journal of Physics and Chemistry of Solids, 2019, 128, 237-244.	1.9	10
170	Structural disorder of natural <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Bi</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:m superlattices grown by molecular beam epitaxy. Physical Review Materials, 2018, 2, .	0.9	10
171	Unveiling the complete dispersion of the giant Rashba split surface states of ferroelectric <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mtext>â^'</mml:mtext><mml:mi>GeTe by alkali doping. Physical Review Research, 2020, 2, .	1.1	10
172	Femtosecond phononic coupling to both spins and charges in a room-temperature antiferromagnetic semiconductor. Physical Review B, 2021, 104, .	1.1	10
173	Photoluminescence of semimagnetic PbEuTe/PbTe quantum wells in magnetic fields. Superlattices and Microstructures, 1993, 13, 25-28.	1.4	9
174	Nearly perfect 3D ordering in IVâ€“VI quantum dot superlattices with ABCABC... vertical stacking sequence. Physica E: Low-Dimensional Systems and Nanostructures, 2000, 7, 870-875.	1.3	9
175	Hysteresis loops of the energy band gap and effective g factor up to 18â€‰000 for metamagnetic EuSe epilayers. Applied Physics Letters, 2004, 85, 67-69.	1.5	9
176	Quantum nanostructures of paraelectric PbTe. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 35, 332-337.	1.3	9
177	Stabilization of PbSe quantum dots by ultrathin EuTe and SrTe barrier layers. Applied Physics Letters, 2008, 93, 163102.	1.5	9
178	Magnetic ordering and transitions of EuSe studied by x-ray diffraction. Physical Review B, 2010, 81, .	1.1	9
179	Band alignments and strain effects in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mtext>PbTe</mml:mtext><mml:mo>/</mml:mo><mml:msub><mml:mi mathvariant="normal">Pb</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow mathvariant="normal">Sr</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:mtext>Te</mml:mtext></mml:math>and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mtext>PbSe</mml:mtext><mml:mo>/</mml:mo><mml:msub><mml:mi. Physical Review B, 2014, 90, .	1.1	9
180	Avoided level crossing at the magnetic field induced topological phase transition due to spin-orbital mixing. Physical Review B, 2018, 98, .	1.1	9

#	Article	IF	Citations
181	Ultrafast Light Switching of Ferromagnetism in EuSe. Physical Review Letters, 2018, 120, 217203.	2.9	9
182	Landau level spectroscopy of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>Se</mml:mi><mml:mn>3</mml:mn></mml:m Physical Review B, 2020, 102, .	3.7	9
183	Kinetic vs. strain-induced growth instabilities on vicinal Si(001) substrates. Thin Solid Films, 2000, 380, 20-24.	0.8	8
184	Fabrication of 3.9â€“ mid-infrared surface emitting PbSe/PbEuTe quantum dot lasers using molecular beam epitaxy. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 13, 876-880.	1.3	8
185	Soft x-ray magnetic scattering from ordered EuSe nanoislands. Applied Physics Letters, 2004, 84, 2661-2663.	1.5	8
186	Highly luminescent nanocrystal quantum dots fabricated by lattice-type mismatched epitaxy. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 35, 241-245.	1.3	8
187	PbTe and SnTe quantum dot precipitates in a CdTe matrix fabricated by ion implantation. Journal of Applied Physics, 2009, 106, .	1.1	8
188	Damascene Process for Controlled Positioning of Magnetic Colloidal Nanocrystals. Advanced Materials, 2010, 22, 1364-1368.	11.1	8
189	Converting Faraday rotation into magnetization in europium chalcogenides. Journal of Applied Physics, 2019, 126, .	1.1	8
190	Mid-infrared Vertical Cavity Surface Emitting Lasers based on the Lead Salt Compounds. Springer Series in Optical Sciences, 2006, , 265-301.	0.5	8
191	Step-edge assisted large scale FeSe monolayer growth on epitaxial Bi₂Se₃ thin films. New Journal of Physics, 2020, 22, 073050.	1.2	8
192	Step-bunching in SiGe layers and superlattices on Si. Surface Science, 2003, 532-535, 721-726.	0.8	7
193	Vertical-cavity surface-emitting lasers in the 8-/spl mu/m midinfrared spectral range with continuous-wave and pulsed emission. IEEE Journal of Quantum Electronics, 2004, 40, 966-969.	1.0	7
194	Tuning of mid-infrared emission of ternary PbSrTe/CdTe quantum dots. Applied Physics Letters, 2012, 100, 113112.	1.5	7
195	Molecular beam epitaxy of IVâ€“VI semiconductors. , 2013, , 263-310.		7
196	In-well pumped mid-infrared PbTe/CdTe quantum well vertical external cavity surface emitting lasers. Applied Physics Letters, 2014, 104, .	1.5	7
197	High-resolution x-ray diffraction of epitaxial bismuth chalcogenide topological insulator layers. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2017, 8, 015006.	0.7	7
198	Signatures of dephasing by mirror-symmetry breaking in weak-antilocalization magnetoresistance across the topological transition in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Pb</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></mml:mrow><mml:mi mathvariant="normal">Sn</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:mi mathvariant="normal">Se</mml:mi></mml:math>. Physical Review B, 2021, 103, .	1.1	7

#	Article	IF	Citations
199	MBE growth of highly efficient lead-salt-based Bragg mirrors on BaF2 (111) for the 4â€“6Î¼m wavelength region. Journal of Crystal Growth, 1999, 201-202, 999-1004.	0.7	6
200	Self-organized semiconductor nanostructures: shape, strain and composition. Materials Science and Engineering C, 2002, 19, 349-358.	3.8	6
201	Anomalous X-ray diffraction from self-assembled PbSe/PbEuTe quantum dots. Journal of Alloys and Compounds, 2005, 401, 4-10.	2.8	6
202	Deformation potentials and photo-response of strained PbSe quantum wells and quantum dots. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 32, 123-126.	1.3	6
203	Enhanced intermixing in Ge nanoprisms on groove-patterned Si(1 1 10) substrates. Applied Physics Letters, 2011, 98, .	1.5	6
204	Effects in sputtered Y1Ba2Cu3O7 â^' Î´ films. Journal of the Less Common Metals, 1989, 151, 377-384.	0.9	5
205	Phase diagram of lateral and vertical ordering in self-organized PbSe quantum dot superlattice grown MBE. Journal of Crystal Growth, 2001, 227-228, 1126-1131.	0.7	5
206	Magnetic field tunable circularly polarized stimulated emission from midinfrared IV-VI vertical emitting lasers. Applied Physics Letters, 2005, 86, 021109.	1.5	5
207	In situ scanning tunnelling microscopy investigations of Si epitaxial growth on pit-patterned Si (001) substrates. Thin Solid Films, 2008, 517, 293-296.	0.8	5
208	Self-organized Quantum Dot Multilayer Structures. , 2008, , 1-61.		5
209	Molecular beam epitaxy of Si/Ge nanoislands on stripe-patterned Si (001) substrates with different stripe orientations. Journal of Crystal Growth, 2009, 311, 2220-2223.	0.7	5
210	In situ Control of Si/Ge Growth on Stripe-Patterned Substrates Using Reflection High-Energy Electron Diffraction and Scanning Tunneling Microscopy. Nanoscale Research Letters, 2010, 5, 1935-1941.	3.1	5
211	Topological insulator homojunctions including magnetic layers: The example of n-p type (n-QLs) Tj ETQq1 1 0.784314 rgBT /Overlock	1.5	5
212	Molecular Beam Epitaxy of IVâ€“VI Semiconductors. , 2018, , 211-276.		5
213	Î±-GeTe and (GeMn)Te semiconductors: A new paradigm for spintronics. AIP Conference Proceedings, 2018, , .	0.3	5
214	Search for enhanced magnetism at the interface between <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> and EuSe. Physical Review B, 2021, 103, .	2.1	5
215	Miniband engineering and topological phase transitions in topological-insulatorâ€“normal-insulator superlattices. Physical Review B, 2021, 103, .	1.1	5
216	Interlayer correlations in antiferromagnetic semiconductor superlattices EuTe/PbTe. Physica B: Condensed Matter, 1997, 241-243, 710-713.	1.3	4

#	Article	IF	Citations
217	Step-bunching and strain effects in Si1âˆ'xGex layers and superlattices on vicinal. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 13, 990-994.	1.3	4
218	Spin configurations in strained magnetic superlattices grown by molecular beam epitaxy. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 32, 379-382.	1.3	4
219	Size-controlled quantum dots fabricated by precipitation of epitaxially grown, immiscible semiconductor heterosystems. Journal of Physics Condensed Matter, 2008, 20, 454216.	0.7	4
220	Lattice vibrations and electrical transport in (Bi1âˆ'xInx)2Se3 films. Applied Physics Letters, 2016, 109, .	1.5	4
221	Local moment formation and magnetic coupling of Mn dopants in Bi2Se3: A low-temperature ferromagnetic resonance study. Physica B: Condensed Matter, 2018, 536, 604-613.	1.3	4
222	EuTe/PbTe Superlattices: Mbe Growth and Optical Characterization. Materials Research Society Symposia Proceedings, 1993, 301, 353.	0.1	3
223	Double Periodicity Formation in EuTe/PbTe Superlattices. Materials Research Society Symposia Proceedings, 1995, 399, 543.	0.1	3
224	TEM investigation of self-organized PbSe quantum dots as a function of spacer layer thickness and growth temperature. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2001, 80, 104-107.	1.7	3
225	Optical Characterization of Self-Organized PbSe/Pb1-xEuxTe Quantum Dot Superlattices. Physica Status Solidi (B): Basic Research, 2001, 224, 223-227.	0.7	3
226	Oswald Ripening of Facetted Self-Assembled PbSe Quantum Dots during Annealing. Physica Status Solidi (B): Basic Research, 2001, 224, 509-513.	0.7	3
227	Step-bunching and strain-effects in Si1âˆ'xGex layers and Superlattices grown on vicinal Si(001). Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2002, 89, 257-262.	1.7	3
228	Changes in the shapes of self-organized PbSe quantum dots during PbEuTe overgrowth investigated by anomalous X-ray diffraction. Applied Surface Science, 2006, 253, 177-181.	3.1	3
229	STM study of successive Ge growth on â€œVâ€•stripe patterned Si (001) surfaces at different growth temperatures. Applied Surface Science, 2011, 257, 10465-10470.	3.1	3
230	Growth and characterization of mid-infrared microdisk lasers operating in continuous-wave mode up to 2Â°C. Journal of Crystal Growth, 2011, 323, 460-462.	0.7	3
231	Nucleation and formation of Au-catalyzed ZnTe nanowires on (0 0 1) GaAs by MBE: From planar to out-of-plane growth. Journal of Crystal Growth, 2017, 477, 118-122.	0.7	3
232	Magneto-optical evidence of the topological phase transition in (111)-Pb_{1-x}Sn_xTe. Journal of Physics: Conference Series, 2017, 864, 012038.	0.3	3
233	SIMS accurate determination of matrix composition of topological crystalline insulator material Pb1 âˆ' xSnxSe. Surface and Interface Analysis, 2020, 52, 71-75.	0.8	3
234	Entropy-controlled fully reversible nanostructure formation of Ge on miscut vicinal Si(001) surfaces. Physical Review B, 2020, 102, .	1.1	3

#	Article	IF	Citations
235	9.1 IV-VI semiconductors: General properties. , 2013, , 415-421.		3
236	Photoelectromagnetic Effect Induced by Terahertz Laser Radiation in Topological Crystalline Insulators Pb1â^'xSnxTe. Nanomaterials, 2021, 11, 3207.	1.9	3
237	Interaction between interface and massive states in multivalley topological heterostructures. Physical Review Research, 2022, 4, .	1.3	3
238	Ultrafast Thermalization Pathways of Excited Bulk and Surface States in the Ferroelectric Rashba Semiconductor GeTe. Advanced Materials, 2022, 34, e2200323.	11.1	3
239	Direct optical probing of ultrafast spin dynamics in a magnetic semiconductor. Physical Review B, 2022, 105, .	1.1	3
240	Surface Evolution During Mbe Growth of Eute Studied by Uhv-Stm and Rheed Investigations. Materials Research Society Symposia Proceedings, 1993, 317, 173.	0.1	2
241	A novel method for the study of strain relaxation in lattice-mismatched heteroepitaxy: ultra-high vacuum scanning tunneling microscopy combined with in situ reflection high-energy electron diffraction. Journal of Crystal Growth, 1995, 150, 1190-1195.	0.7	2
242	Study of misfit-dislocation formation in strained-layer heteroepitaxy using ultrahigh vacuum scanning tunneling microscopy. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1996, 37, 96-100.	1.7	2
243	A scanning tunnelling microscopy study of local surface modifications induced by misfit dislocation formation in strained-layer heteroepitaxy. Applied Surface Science, 1996, 104-105, 637-645.	3.1	2
244	Interlayer spin coherence in antiferromagnetic EuTe/PbTe superlattices observed by polarized neutron diffraction. Superlattices and Microstructures, 1998, 23, 41-47.	1.4	2
245	Exciton dynamics in ZnCdSe/ZnSe ridge quantum wires. Physica E: Low-Dimensional Systems and Nanostructures, 2000, 7, 526-530.	1.3	2
246	Giant tunability of excitonic photoluminescence transitions in antiferromagnetic EuTe epilayers induced by magnetic polarons. Physica E: Low-Dimensional Systems and Nanostructures, 2001, 10, 419-423.	1.3	2
247	Spectroscopy on Vertical Microcavities for the Mid-Infrared. Physica Status Solidi A, 2001, 188, 929-935.	1.7	2
248	Molecular beam epitaxy of lead salt-based vertical cavity surface emitting lasers for the 4â€“6Î¼m spectral region. Journal of Crystal Growth, 2001, 227-228, 722-728.	0.7	2
249	Angleâ€Resolved Photoemission of Topological Matter: Examples from Magnetism, Electron Correlation, and Phase Transitions. Physica Status Solidi (B): Basic Research, 2021, 258, 2000371.	0.7	2
250	Epitaxial Growth of Eute on Pbte (111) Influenced by Strain-Induced Coherent 3D Islanding. Materials Research Society Symposia Proceedings, 1993, 317, 137.	0.1	1
251	Electron cooling times in PbTe Landau quantized wires and dots. Semiconductor Science and Technology, 1999, 14, 809-816.	1.0	1
252	Lateral and Vertical Ordering of PbSe Self-Assembled Quantum Dots in PbSe/PbEuTe Superlattices. Materials Research Society Symposia Proceedings, 2000, 618, 161.	0.1	1

#	Article	IF	Citations
253	Atomic Force Microscopy and Transmission Electron Microscopy Study of Self-Organized Ordering in Vertically Aligned PbSe Quantum Dot Superlattices. Materials Research Society Symposia Proceedings, 2001, 696, 1.	0.1	1
254	Step bunching during Si(001) homoepitaxy caused by the surface diffusion anisotropy. Materials Research Society Symposia Proceedings, 2002, 749, 1.	0.1	1
255	Comparison of IV-VI semiconductor microcavity lasers for the mid-infrared with active regions of different dimensionality. , 0, , .		1
256	3D hexagonal versus trigonal ordering in self-organized PbSe quantum dot superlattices. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 21, 611-614.	1.3	1
257	SEMICONDUCTOR MATERIALS | Lead Salts. , 2005, , 385-392.		1
258	Gettering and Defect Engineering in Semiconductor Technology (GADEST 2021). Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2100728.	0.8	1
259	Molecular Beam Epitaxy of PbTe/EuTe Superlattices. Materials Research Society Symposia Proceedings, 1992, 281, 609.	0.1	0
260	Optical Properties and Band Offset of PbTe/Pb1â^'xEuxTe Diluted Magnetic Semiconductor Multiquantum Wells Studied by Transmission and Photoconductivity Measurements. Materials Research Society Symposia Proceedings, 1992, 281, 615.	0.1	0
261	Modulated Magnetic Phase Transitions in Short Period EuTe/PbTe Superlattices. Materials Research Society Symposia Proceedings, 1993, 326, 457.	0.1	0
262	Infrared-Photoconductivity Due to Sub-Band Transitions in PbTe/Pb1â^'xEuxTe and PbSe/Pb1â^'xMnxSe. Materials Research Society Symposia Proceedings, 1994, 299, 285.	0.1	0
263	Magnetic Properties of Heisenberg Antiferromagnetic EuTe/PbTe Superlattices. Materials Research Society Symposia Proceedings, 1994, 358, 1041.	0.1	0
264	Surface modifications due to strain relaxation in lattice-mismatched heteroepitaxy. , 1996, , 277-302.		0
265	ESR investigations of interfaces between antiferromagnets and semiconductors. Journal of Magnetism and Magnetic Materials, 1996, 156, 207-208.	1.0	0
266	Surface modifications in strained-layer heteroepitaxy studied by UHV-scanning tunneling microscopy. Solid-State Electronics, 1996, 40, 571-577.	0.8	0
267	Tem Investigation of Self-Organized Pbse Quantum Dots as a Function of Spacer Layer Thickness and Growth Temperature. Materials Research Society Symposia Proceedings, 1999, 583, 87.	0.1	0
268	High-finesse mid infrared microcavities based on lead salts. Physica E: Low-Dimensional Systems and Nanostructures, 2000, 7, 636-640.	1.3	0
269	Lead-salt-based VCSELs for the 3- to 6-Î¼m range. , 2001, , .		0
270	<title>Magneto-optical and cyclotron resonance study of semiconductor nanostructures in very high magnetic fields</title>. , 2002, , .		0

#	Article	IF	Citations
271	Above-room-temperature operation of IVâ€“VI microcavity lasers. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 13, 888-891.	1.3	0
272	Nano-scale dislocation patterning in PbTe on PbSe (1 0 0) heteroepitaxy studied by UHV scanning tunneling microscopy. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 13, 1216-1219.	1.3	0
273	Femtosecond dynamics of lead-salt vertical-cavity surface-emitting mid-infrared lasers. , 0, , .		0
274	Molecular beam epitaxy of vertical-emitting microcavity lasers for the 6â€“8micron spectral range operating in continuous-wave mode. Journal of Crystal Growth, 2005, 278, 723-727.	0.7	0
275	Emission Properties of 6.7 Micron Vertical-Emitting Microcavity Lasers Operating in Continuous-Wave Mode. AIP Conference Proceedings, 2007, , .	0.3	0
276	X-ray scattering from periodic arrays of quantum dots. Journal of Physics Condensed Matter, 2008, 20, 454215.	0.7	0
277	Mid-infrared vertical-cavity surface-emitting lasers based on lead salt/BaF 2 Bragg mirrors. Proceedings of SPIE, 2008, , .	0.8	0
278	Kinetic Monte Carlo simulation of quantum-dot nucleation and growth in PbSe/PbEuTe multilayers. Journal of Physics: Conference Series, 2010, 245, 012091.	0.3	0
279	Publisher's Note: Magnetic polarons in Eu-based films of magnetic semiconductors [Phys. Rev. B81, 153201 (2010)]. Physical Review B, 2010, 81, .	1.1	0
280	Substantial Temperature Dependence of Transverse Electron gâ^—-factor in Lead Chalcogenide Multi-quantum Wells. AIP Conference Proceedings, 2011, , .	0.3	0
281	Optical Probing of metamagnetic phases in epitaxial EuSe. AIP Conference Proceedings, 2011, , .	0.3	0
282	Mid-IR quantum dot VECSEL. , 2013, , .		0
283	Strongly detuned IV-VI microcavity and microdisk resonances: mode splitting and lasing. Springer Proceedings in Physics, 2001, , 677-678.	0.1	0
284	Processes of Self-Organization during Epitaxial Growth of Semiconductor Superlattices â€" An X-Ray Scattering Study. Fundamental Materials Research, 2002, , 67-83.	0.1	0
285	9.3.4 Growth on BaF2 (111). , 2013, , 439-442.		0
286	9.3.8 Growth on GaAs and CdTe. , 2013, , 451-453.		0
287	9.2.2 Higher-band-gap alloys. , 2013, , 427-429.		0
288	9.8.4 Microdisk lasers. , 2013, , 556-557.		0

#	Article	IF	Citations
289	9.8.1 Mid-infrared diode lasers. , 2013, , 541-546.		0
290	9.3.1 Molecular beam epitaxy. , 2013, , 430-434.		0
291	9.9 Thermoelectric devices. , 2013, , 558-561.		0
292	9.8.2 Vertical-cavity surface-emitting lasers. , 2013, , 547-552.		0
293	9.4.3 Theoretical description of confined states. , 2013, , 466-472.		0
294	9.6.1 Growth of self-assembled lead-salt quantum dots. , 2013, , 503-506.		0
295	Time and momentum resolved resonant magnetic x-ray diffraction on EuTe. EPJ Web of Conferences, 2013, 41, 03014.	0.1	0
296	9.7.1 Structural properties. , 2013, , 527-528.		0
297	9.6.2 Ordering and stacking in quantum-dot superlattices. , 2013, , 507-513.		0
298	9.6.3 Ordering mechanisms. , 2013, , 514-520.		0
299	9.6 Self-assembled Stranski-Krastanow quantum dots. , 2013, , 501-502.		0
300	9.3.5 Growth on IV-VI substrates. , 2013, , 443-445.		0
301	9.7.4 Electroluminescence. , 2013, , 535-537.		0
302	9.4.4 Spectroscopic investigations of IV-VI quantum-well systems. , 2013, , 473-479.		0
303	9.4.6 Transport in 2D structures. , 2013, , 493-495.		0
304	9.5.2 Transport in 1D structures. , 2013, , 498-500.		0
305	9.4.5 Specific results for different material systems. , 2013, , 480-492.		0
306	9.8 Optoelectronic device applications. , 2013, , 538-540.		0

#	Article	IF	Citations
307	9.3.9 Doping. , 2013, , 454-455.		0
308	9.4.1 Growth and material systems. , 2013, , 456-461.		0
309	9.6.4 Optical and electronic properties. , 2013, , 521-523.		0
310	9.3.7 Growth on silicon. , 2013, , 448-450.		0
311	9.2.1 Pseudo-binary IV-VI alloys. , 2013, , 425-426.		0
312	Study of misfit-dislocation formation in strained-layer heteroepitaxy using ultrahigh vacuum scanning tunneling microscopy. , 1996, , 96-100.		0
313	Pb1-xSnxSe: a new tunable topological platform with terahertz band gap. , 2019, , .		0