Victor R Velasco

List of Publications by Year in descending order

185 papers	2,541 citations	236833 25 h-index	330025 37 g-index
187 all docs	187 docs citations	187 times ranked	874 citing authors

#	Article	IF	Citations
1	Parity-Time Synthetic Phononic Media. Physical Review Letters, 2016, 116, 207601.	2.9	108
2	Bulk and surface acoustic waves in solidâ€“fluid Fibonacci layered materials. Ultrasonics, 2015, 61, 40-51.	2.1	5
3	General form of the Greenâ€™s function regular at infinity for the homogeneous Sturmâ€“Liouville matrix operator. Applied Mathematics and Computation, 2015, 269, 824-833.	1.4	2
4	Relations between Transfer Matrices and Numerical Stability Analysis to Avoid the $Omega d$ Problem. SIAM Journal on Applied Mathematics, 2015, 75, 1403-1423.	0.8	19
5	Transverse acoustic waves in piezoelectric ZnO/MgO and GaN/AlN Fibonacci-periodic superlattices. Surface Science, 2014, 624, 58-69.	0.8	5
6	Acoustic waves in (0001) III-N and MgO/ZnO superlattices. Surface Science, 2013, 609, 119-128.	0.8	0
7	Acoustic breathing mode frequencies in cylinders, cylindrical shells and composite cylinders of general anisotropic crystals: Application to nanowires. Physica E: Low-Dimensional Systems and Nanostructures, 2013, 54, 86-92.	1.3	9
8	Acoustic waves of GaN nitride nanowires. Surface Science, 2011, 605, 24-31.	0.8	9
9	Acoustic waves in (001) InNâ€“AlN and InNâ€“GaN superlattices. Surface Science, 2011, 605, 1324-1330.	0.8	3
10	Vibrational properties of (0 0 1) IIIâ€“V nitride superlattices. Surface Science, 2009, 603, 2318-2326.	0.8	0
11	Phonons in hybrid Fibonacci/periodic multilayers. Surface Science, 2009, 603, 938-944.	0.8	7
12	Vibrations in cylindrical shells with transverse elastic isotropy: Application to IIIâ€“V nitride nanotubes. Surface Science, 2009, 603, 2950-2957.	0.8	12
13	Phonons in aperiodically ordered layer systems. Surface Science, 2008, 602, 2587-2599.	0.8	1
14	Acoustic waves in (110) layered structures. Surface Science, 2008, 602, 2107-2113.	0.8	0
15	Strain-induced low dimensional confinement structures. Applied Physics Letters, 2008, 93, 201104.	1.5	2
16	THE ELECTROSTATIC POTENTIAL ASSOCIATED TO INTERFACE PHONON MODES IN NITRIDE SINGLE HETEROSTRUCTURES. Progress in Electromagnetics Research Letters, 2008, 1, 27-33.	0.4	4
17	Comment on â€˜Sensitivity of surface states to the stack sequence of one-dimensional photonic crystalsâ€™. Journal of Optics, 2007, 9, 308-313.	1.5	6
18	Electromagnetic wave propagation in quasi-periodic photonic circuits. Journal of Physics Condensed Matter, 2007, 19, 246217.	0.7	14

#	Article	IF	Citations
19	Electronic structure of (001) AlN/GaN quantum wells by means of a sp3sâˆ—d5 empirical tight-binding Hamiltonian. Surface Science, 2007, 601, 1079-1084.	0.8	1
20	Acoustic waves in (001) anisotropic polytype heterostructures. Surface Science, 2007, 601, 2931-2940.	0.8	0
21	Selective confinement of vibrations in composite systems with alternate quasi-regular sequences. Physica B: Condensed Matter, 2007, 387, 36-44.	1.3	0
22	Hole subband structure in single and double p-typeÎ´-doped diamond quantum wells. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 415-417.	0.8	1
23	Donor impurity-related optical absorption spectra in GaAs-Ga1â€“xAlxAs quantum wells: hydrostatic pressure andÎ“â€“X conduction band mixing effects. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 418-420.	0.8	4
24	Selective spatial localization of the atom displacements in one-dimensional hybrid quasi-regular (Thueâ€“Morse and Rudinâ€“Shapiro)/periodic structures. Surface Science, 2007, 601, 2538-2547.	0.8	11
25	Surface electromagnetic waves in Fibonacci superlattices: Theoretical and experimental results. Physical Review B, 2006, 74, .	1.1	38
26	Optical properties of (001) GaN/AlN quantum wells. Microelectronics Journal, 2006, 37, 12-18.	1.1	7
27	AlN, GaN and InN (001) surface electronic band structure. Surface Science, 2006, 600, 2868-2873.	0.8	10
28	Publisher's Note: Elastic layered waves in (001) III-V nitride systems [Phys. Rev. B74, 035431 (2006)]. Physical Review B, 2006, 74, .	1.1	0
29	Elastic layered waves in (001) III-V nitride systems. Physical Review B, 2006, 74, .	1.1	4
30	Interface-phonon-limited two-dimensional mobility in AlGaNâ•GaN heterostructures. Journal of Applied Physics, 2006, 100, 123708.	1.1	7
31	Electronic spectra of quasi-regular Fibonacci systems: Analysis of simple 1D models. Microelectronics Journal, 2005, 36, 882-885.	1.1	0
32	Propagation of electromagnetic waves in periodic and Fibonacci photonic loop structures. Physica A: Statistical Mechanics and Its Applications, 2005, 358, 68-85.	1.2	3
33	Elastic waves at the (001) and (110) surfaces of AlN, GaN and InN. Surface Science, 2005, 590, 224-242.	0.8	12
34	Comparative study of the sagittal elastic waves in metallic and semiconductor multilayer systems between periodic and Fibonacci superlattices. Surface Science, 2005, 584, 199-213.	0.8	6
35	Scattering of electrons by polar optical phonons in AlGaN/GaN single heterostructures. Surface Science, 2005, 592, 112-123.	0.8	5
36	Vibrational properties of quasiregular systems with mirror symmetry. Surface Science, 2005, 594, 174-191.	0.8	2

#	Article	IF	Citations
37	Propagation and localization of acoustic waves in Fibonacci phononic circuits. Journal of Physics Condensed Matter, 2005, 17, 4245-4262.	0.7	36
38	Propagation and localization of electromagnetic waves in quasiperiodic serial loop structures. Physical Review E, 2005, 72, 056601.	0.8	34
39	Phonon confinement in one-dimensional hybrid periodic/quasiregular structures. Physical Review B, 2004, 70, .	1.1	19
40	Preface for NANO' 2003 proceedings. Microelectronics Journal, 2004, 35, 1.	1.1	0
41	An alternative way of calculating the superlattice Green function for discrete media. Surface Science, 2004, 554, 245-252.	0.8	5
42	Electronic structure of (001) GaN/AlN quantum wells. Surface Science, 2004, 565, 259-268.	0.8	6
43	Electronic spectra of quasi-regular heterostructures: simple versus realistic models. Progress in Surface Science, 2003, 74, 343-355.	3.8	10
44	A model for single heterostructure field effect transistors. Surface Science, 2003, 546, 39-46.	0.8	3
45	Tight-binding calculation of the electronic band structure of GaN, AlN and BN (001) ideal surfaces. Surface Science, 2003, 529, 267-273.	0.8	4
46	Thomasâ€“Fermiâ€“Dirac theory of the hole gas of a double p-type Î´-doped GaAs quantum wells. Surface Science, 2003, 537, 75-83.	0.8	32
47	Application of the phase time and transmission coefficients to the study of transverse elastic waves in quasiperiodic systems with planar defects. Surface Science, 2003, 538, 101-112.	0.8	14
48	Thermal conductivity in quasiregular heterostructures. Physical Review B, 2002, 65, .	1.1	10
49	Some properties of the elastic waves in quasiregular heterostructures. Journal of Physics Condensed Matter, 2002, 14, 5933-5957.	0.7	14
50	Electronic Properties of Fibonacci Quasi-Periodic Heterostructures. Physica Status Solidi (B): Basic Research, 2002, 232, 71-75.	0.7	7
51	Properties of elastic waves in quasiregular structures with planar defects. Superlattices and Microstructures, 2002, 32, 35-47.	1.4	6
52	Electronic properties of Fibonacci quasi-periodic heterostructures. Microelectronics Journal, 2002, 33, 361-364.	1.1	6
53	Omnidirectional phononic reflection and selective transmission in one-dimensional acoustic layered structures. Surface Science, 2001, 482-485, 1175-1180.	0.8	19
54	Guided acoustic waves of an adlayer deposited on a superlattice. Vacuum, 2001, 63, 171-176.	1.6	4

#	Article	IF	Citations
55	Elastic waves in quasiperiodic structures. Progress in Surface Science, 2001, 67, 383-402.	3.8	19
56	SOME PROPERTIES OF THE TRANSVERSE ELASTIC WAVES IN QUASIPERIODIC STRUCTURES. International Journal of Modern Physics B, 2001, 15, 2925-2934.	1.0	12
57	Some elementary questions in the theory of quasiperiodic heterostructures. Journal of Physics Condensed Matter, 2001, 13, 3689-3698.	0.7	23
58	Electronic properties of quasiperiodic heterostructures. Physical Review B, 2001, 65, .	1.1	14
59	Polar optical modes in Fibonacci heterostructures. Journal of Raman Spectroscopy, 2000, 31, 421-425.	1.2	7
60	Elastic waves in graded-composition systems. Superlattices and Microstructures, 2000, 28, 217-230.	1.4	0
61	Sagittal Elastic Waves at the Interface between a Superlattice and a Substrate: Theoretical Analysis of the Density of States and Reflection Coefficientsrik. Physica Status Solidi (B): Basic Research, 2000, 219, 91-101.	0.7	0
62	Hubbard approximation for the dielectric response function of a confined inhomogeneous electron gas. Physica Scripta, 2000, 61, 200-208.	1.2	7
63	Surface and interface shear horizontal acoustic waves in piezoelectric superlattices. Journal of Applied Physics, 2000, 87, 4507-4513.	1.1	21
64	Localized and resonant guided elastic waves in an adsorbed layer on a semi-infinite superlattice. Physical Review B, 2000, 61, 15858-15865.	1.1	26
65	Transverse elastic waves in Fibonacci superlattices. Superlattices and Microstructures, 1999, 25, 519-526.	1.4	17
66	Stark effect in diffused quantum wells. Superlattices and Microstructures, 1999, 26, 325-332.	1.4	3
67	Stark shift effects in rectangular and graded gap quantum wells. Surface Science, 1999, 424, 331-339.	0.8	7
68	Sagittal elastic waves at the interface between a superlattice and a substrate. Physical Review B, 1999, 60, 2505-2515.	1.1	26
69	Collective modes in semiconductor heterostructures. Microelectronic Engineering, 1998, 43-44, 113-116.	1.1	0
70	Electronic structure of (001) AlAsâ€“InAsâ€“GaAs multilayer structures. Surface Science, 1998, 412-413, 397-404.	0.8	4
71	Electronic states in near-surface quantum wells. Surface Science, 1998, 418, 536-542.	0.8	5
72	Sagittal elastic waves in Fibonacci superlattices. Physical Review B, 1998, 57, 14141-14147.	1.1	21

#	Article	IF	Citations
73	Electronic properties of GaAs - AlAs Fibonacci superlattices. Journal of Physics Condensed Matter, 1997, 9, 8031-8039.	0.7	10
74	Surface Green function matching for symmetric structures: optical phonons in a double barrier structure. Surface Science, 1997, 371, 455-467.	0.8	3
75	Electronic properties of semiconductor Fibonacci quasi-periodic superlattices. Physica A: Statistical Mechanics and Its Applications, 1997, 241, 377-381.	1.2	8
76	Polar optical modes in semiconductor nanostructures. Surface Science Reports, 1997, 28, 123-176.	3.8	40
77	Electronic structure of (001) superlattices. Journal of Physics Condensed Matter, 1996, 8, 8859-8867.	0.7	5
78	Study of the eight-band Kane model by full transfer matrix and surface Green function matching. Physica Scripta, 1996, 53, 377-381.	1.2	4
79	Elastic waves in polytype superlattices. Journal of Physics Condensed Matter, 1996, 8, 6531-6541.	0.7	4
80	Phonon mechanism for the orthorhombic distortion inFeSi2as compared to cubicCoSi2. Physical Review B, 1996, 54, 9196-9203.	1.1	16
81	Electronic states of (211) quantum wells. Surface Science, 1996, 367, 203-208.	0.8	0
82	Simultaneous surface Green's-function matching for discrete systems with N interfaces. Surface Science, 1996, 369, 367-378.	0.8	15
83	The electronic transmittance and density of states in triangular quantum well and barrier structures. Journal of Physics Condensed Matter, 1996, 8, 7733-7743.	0.7	1
84	Dielectric response of an inhomogeneous quasi-two-dimensional electron gas. Physical Review B, 1996, 53, 2034-2043.	1.1	13
85	Spatial dependence of the strain-induced coupling in highly strained quantum wells. Physical Review B, 1996, 54, 16428-16431.	1.1	9
86	The inverse dielectric function of a quasi-two-dimensional electron gas in a quantum well: plasmons in a thin metal layer. Journal of Physics Condensed Matter, 1996, 8, 665-675.	0.7	15
87	Electron-phonon interaction and low-field drift mobility in a polar semiconductor quantum well. Thin Solid Films, 1995, 266, 38-47.	0.8	4
88	Electronic states of digital versus analog graded quantum wells. Physical Review B, 1995, 52, 13784-13787.	1.1	15
89	Tight-binding calculation of electronic states in an inverse parabolic quantum well. Physical Review B, 1995, 51, 7321-7324.	1.1	23
90	Analysis of the propagation of strongly attenuated leaky acoustic modes as method of the detection of the low scale interface defects in the layered structures. Radiation Effects and Defects in Solids, 1995, 137, 15-18.	0.4	0

#	Article	IF	Citations
91	Solution of a Fredholm integral equation of physical interest. Journal of Physics A, 1995, 28, 391-405.	1.6	12
92	Polar optical modes in GaAs-AlAs superlattices. Physica Scripta, 1995, 51, 526-530.	1.2	12
93	Phonons in (001) Mo/W/Mo and W/Mo/W layer structures. Physica Scripta, 1995, 52, 338-342.	1.2	1
94	Electronic states of a semi-infinite superlattice with an embedded quantum well. Journal of Physics Condensed Matter, 1995, 7, 3493-3500.	0.7	2
95	Unified description of quantum particles and electromagnetic and elastic waves in multilayers. Journal of Physics Condensed Matter, 1995, 7, 5491-5506.	0.7	7
96	Simultaneous surface Green function matching for N interfaces. Journal of Physics Condensed Matter, 1995, 7, 2037-2049.	0.7	26
97	Dynamical properties of epitaxial CaF2films deposited on an Si(001) substrate studied by Brillouin spectroscopy. Journal of Physics Condensed Matter, 1994, 6, 10713-10723.	0.7	0
98	Pseudo-surface acoustic wave studies on MF2/GaAs(111) heterostructures using Brillouin scattering. Journal of Physics Condensed Matter, 1994, 6, 3347-3358.	0.7	3
99	Electronic states in graded-composition heterostructures. Physical Review B, 1994, 49, 11222-11229.	1.1	40
100	Tight-binding calculation of electronic states in a triangular symmetrical quantum well. Physical Review B, 1994, 50, 4577-4580.	1.1	13
101	Optical anisotropy of (113)-oriented GaAs/AlAs superlattices. Physical Review B, 1994, 49, 14020-14023.	1.1	25
102	Propagation and attenuation of pseudo surface acoustic modes at the (111) face of a GaAs crystal studied by Brillouin spectroscopy. Physical Review B, 1994, 50, 7793-7799.	1.1	2
103	Polar optical phonons at semiconductor interfaces. Surface Science, 1994, 319, 184-192.	0.8	11
104	Surface Green function matching. Surface Science, 1994, 299-300, 332-345.	0.8	7
105	On the electronic structure of externally Î´-doped quantum wells. European Physical Journal D, 1993, 43, 893-898.	0.4	1
106	Surface States in semiinfinite superlattices. Progress in Surface Science, 1993, 42, 271-279.	3.8	16
107	Surface states in GaAs-GaP (001) semi-infinite superlattices. Journal of Physics Condensed Matter, 1993, 5, 5429-5436.	0.7	3
108	Long-wavelength polar optical modes in GaAs semiconductor layered structures. Journal of Physics Condensed Matter, 1993, 5, 5389-5400.	0.7	33

#	Article	IF	Citations
109	Electronic structure of periodically Î´-doped GaAs:Si. Physical Review B, 1993, 48, 11427-11430.	1.1	16
110	Optical modes in GaAs-based quantum wells. Physical Review B, 1993, 48, 5672-5674.	1.1	10
111	Electronic states of (001) and (311) AlAs/GaAs quantum wells. Physical Review B, 1993, 48, 12319-12322.	1.1	11
112	Electronic structure of (311) AlAs-GaAs superlattices. Physical Review B, 1993, 47, 4651-4654.	1.1	25
113	Excitons in {311} oriented superlattices: optical anisotropies. European Physical Journal Special Topics, 1993, 03, C5-283-C5-287.	0.2	2
114	Band mixing and localization in strained (001) GaAs-GaP superlattices. Physica Scripta, 1992, 46, 466-472.	1.2	2
115	Electronic properties of strained (001) HgTe-CdTe superlattices. Physica Scripta, 1992, 46, 83-87.	1.2	9
116	Analysis of the phenomenological models for long-wavelength polar optical modes in semiconductor layered systems. Physical Review B, 1992, 45, 11944-11948.	1.1	92
117	Theory of Single and Multiple Interfaces. , 1992, , .		48
118	Phonons in transition metal superlattices. Surface Science, 1991, 251-252, 685-689.	0.8	2
119	Dynamical effects of biaxial strain in thin Cu/Ni(111) superlattices. Journal of Applied Physics, 1991, 70, 2079-2085.	1.1	7
120	Electronic structure of strained GaAs/GaP (001) superlattices. Physical Review B, 1991, 43, 9626-9634.	1.1	27
121	Matching methods for single and multiple interfaces: Discrete and continuous media. Physics Reports, 1991, 200, 83-125.	10.3	48
122	Electronic states in a metallic quantum well. Physica Scripta, 1991, 43, 337-339.	1.2	9
123	Electronic structure of strained-layer AlAs/InAs (001) superlattices. Physical Review B, 1991, 43, 2050-2057.	1.1	18
124	Spectral phenomenology of (001) AlAsî—¸GaAs superlattices. Superlattices and Microstructures, 1990, 7, 23-27.	1.4	7
125	Practical use of transfer matrix for matching calculations. Physica Scripta, 1990, 42, 495-500.	1.2	7
126	Analysis of the full matched Green function and wavefunction from the transfer matrices. Physica Scripta, 1990, 41, 375-382.	1.2	12

#	ARTICLE	IF	CITATIONS
127	Green functions for heterostructures in an electric field. Journal of Applied Physics, 1990, 68, 4319-4321.	1.1	3
128	Quasibound states in an electric field. Physical Review B, 1990, 42, 7630-7632.	1.1	14
129	Transfer matrix and matrix Green function: the matching problem. Physica Scripta, 1990, 42, 115-123.	1.2	6
130	A general theory of matching for layered systems. Journal of Physics A, 1990, 23, 1405-1420.	1.6	17
131	Theory of quantum wells in external electric fields. Journal of Physics Condensed Matter, 1989, 1, 4339-4351.	0.7	14
132	Electronic structure of Nb-Ta (001) superlattices. Journal of Physics Condensed Matter, 1989, 1, 6413-6421.	0.7	8
133	Phonons in bcc transition-metal interfaces. Surface Science, 1989, 209, 492-500.	0.8	3
134	Electronic structure of AlAs-GaAs superlattices. Physical Review B, 1989, 39, 1786-1796.	1.1	62
135	Phonons in a W-Mo(001) superlattice. Physical Review B, 1988, 38, 9631-9637.	1.1	14
136	Phonon calculations in superperiodic structures: The surface Green-function matching approach. Physical Review B, 1988, 38, 3172-3179.	1.1	20
137	A study of the matching problem using transfer matrixes. Journal of Physics C: Solid State Physics, 1988, 21, 2197-2206.	1.5	17
138	Phonon and electron local densities of states in simple cubic superlattices: an application of the surface Green function matching method. Physica Scripta, 1988, 37, 131-137.	1.2	4
139	Quickly converging method for surface electronic structure calculations. Physica Scripta, 1988, 38, 742-745.	1.2	17
140	Vibrational contribution to the low temperature interface specific heat of two compressible liquids. Physica Scripta, 1988, 37, 218-222.	1.2	0
141	Surface and Interface Electronic Structure Calculations with Empirical Tight Binding Models. Physica Scripta, 1987, 35, 504-509.	1.2	25
142	Transverse Acoustic Waves in Piezoelectric Superlattices. Europhysics Letters, 1987, 3, 723-728.	0.7	21
143	Sagittal elastic waves in cubic superlattices. Surface Science, 1987, 187, 223-242.	0.8	14
144	Bulk and surface Bleustein-Gulyaev waves in piezoelectric superlattices. Surface Science, 1987, 188, 140-152.	0.8	22

#	Article	IF	Citations
145	Transverse elastic waves propagating along symmetry directions of piezoelectric superlattices. Surface Science, 1987, 185, 175-186.	0.8	17
146	Response functions for single interfaces and layered structures. Physical Review B, 1987, 35, 5872-5875.	1.1	13
147	Tight binding models for non ideal semiconductor interfaces. Progress in Surface Science, 1987, 26, 117-133.	3.8	23
148	A general analysis of arbitrary continuous superlattices. Surface Science, 1986, 175, 9-21.	0.8	23
149	On the density of surface acoustic waves and surface thermodynamics in a piezoelectric. Surface Science, 1986, 172, 525-532.	0.8	1
150	Theory of Incomplete Crystals and Crystalline Interfaces. Physica Scripta, 1986, 34, 257-263.	1.2	26
151	Capillary Waves in an Electrically Charged Liquid Metal. Physica Scripta, 1986, 34, 435-437.	1.2	8
152	Theory of Layered Structures Formed With Discrete Crystals: Quantum Wells Sandwiches and Superlattices. Physica Scripta, 1986, 34, 252-256.	1.2	31
153	Surface Green function matching theory of magnetoelastic surface waves. Journal of Physics C: Solid State Physics, 1985, 18, 4923-4932.	1.5	5
154	Lattice vibrations At (111) and (001) surfaces of fcc transition metals by using the surface green function matching (SFGM) method. Surface Science, 1985, 152-153, 819-825.	0.8	10
155	Elastic surface waves in rare-earth compounds; Exact treatment of finite frequency effects. Surface Science, 1985, 161, 342-348.	0.8	7
156	Acoustic surface waves in piezoelectric cubic crystals. Surface Science, 1985, 162, 138-143.	0.8	4
157	Spectral functions for a semi-infinite liquid. Journal De Physique (Paris), Lettres, 1985, 46, 733-735.	2.8	3
158	Phonons at Interfaces and Superlattices. Springer Series in Surface Sciences, 1985, , 66-79.	0.3	0
159	Elastic surface waves in crystals with overlayers: Cubic symmetry. Physical Review B, 1984, 30, 2042-2048.	1.1	4
160	Surface and interface Bleustein-Gulyaev waves along symmetry directions of cubic crystals. Surface Science, 1984, 139, 63-74.	0.8	7
161	Theory of piezoelectric surface waves in layered systems. Surface Science, 1984, 143, 93-109.	0.8	16
162	Surface green function matching approach to the surface dynamics of ionic crystals. Surface Science, 1984, 143, 243-252.	0.8	19

#	Article	IF	Citations
163	Surface green function matching approach to the surface dynamics of ionic crystals. Surface Science, 1984, 143, 253-266.	0.8	17
164	Surface green function matching for crystal lattice dynamics. Surface Science, 1984, 136, 601-628.	0.8	16
165	Influence of a thin overlayer on the surface brillouin scattering. Cubic crystals. Physica Status Solidi (B): Basic Research, 1983, 117, K37.	0.7	1
166	Study of interface and surface elastic waves in piezoelectric materials by using the surface green function matching (SGFM) method. Surface Science, 1983, 128, 117-127.	0.8	14
167	Study of interface and surface elastic waves in piezoelectric materials by using the surface Green function matching (SGFM) method. Surface Science, 1983, 128, 117-127.	0.8	10
168	Acoustic surface waves in cubic crystals with overlayers. Surface Science, 1983, 126, 202-207.	0.8	8
169	Influence of the surface stress on the mean-square displacements of surface atoms. Physical Review B, 1983, 27, 6170-6177.	1.1	1
170	Dispersion relations of surface phonons in LiF(001) and NaF(001). Physical Review B, 1982, 26, 497-506.	1.1	70
171	Surface-wave theory of desorption entropy. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1982, 45, 299-311.	0.7	6
172	Elastic surface waves in hexagonal crystals with overlayers. Surface Science, 1982, 114, 574-586.	0.8	9
173	Dynamics of systems with two interfaces. Physical Review B, 1982, 26, 1929-1941.	1.1	23
174	The Theory of Perturbed Surface Waves and the Long Wave Limit of Lattice Models. Physica Scripta, 1982, 26, 405-413.	1.2	7
175	Influence of surface stress on the surface elastic waves in anisotropic cubic crystals. Physica Status Solidi (B): Basic Research, 1982, 114, 35-38.	0.7	2
176	Dynamics of surfaces with overlayers. Surface Science, 1981, 110, 129-150.	0.8	29
177	Lattice dynamics of a commensurate interface between two ionic crystals. Physical Review B, 1981, 23, 6691-6698.	1.1	11
178	Surface Waves in Solids and Fluids. Physica Scripta, 1981, 23, 1108-1112.	1.2	17
179	Characterization of the Suzuki phase in doped alkali halides by Raman spectroscopy. Journal of Physics and Chemistry of Solids, 1980, 41, 1367-1371.	1.9	38
180	Brillouin scattering from surface waves. Solid State Communications, 1980, 33, 1-5.	0.9	48

#	Article	IF	Citations
181	Theory of surface waves in anisotropic cubic crystals. Journal of Physics C: Solid State Physics, 1980, 13, 2237-2256.	1.5	63
182	Surface Effects in Elastic Surface Waves. Physica Scripta, 1979, 20, 111-120.	1.2	54
183	Dynamical and thermodynamical properties of elastic surface waves at hexagonal surfaces and interfaces. Surface Science, 1979, 83, 376-390.	0.8	22
184	Lattice vibrations at (111) surfaces and stacking faults in transition metals: Ni. Surface Science, 1979, 85, 107-124.	0.8	16
185	Surface waves and surface thermodynamics. Surface Science, 1977, 67, 555-564.	0.8	19