## Leonard Dobrzynski

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Acoustic band structure of periodic elastic composites. Physical Review Letters, 1993, 71, 2022-2025.	7.8	2,336
2	Theory of acoustic band structure of periodic elastic composites. Physical Review B, 1994, 49, 2313-2322.	3.2	715
3	Experimental and Theoretical Evidence for the Existence of Absolute Acoustic Band Gaps in Two-Dimensional Solid Phononic Crystals. Physical Review Letters, 2001, 86, 3012-3015.	7.8	472
4	Two-dimensional phononic crystals: Examples and applications. Surface Science Reports, 2010, 65, 229-291.	7.2	462
5	Transverse elastic waves in periodically layered infinite and semi-infinite media. Physical Review B, 1983, 27, 7318-7329.	3.2	245
6	Complete acoustic band gaps in periodic fibre reinforced composite materials: the carbon/epoxy composite and some metallic systems. Journal of Physics Condensed Matter, 1994, 6, 8759-8770.	1.8	218
7	Magnon band structure of periodic composites. Physical Review B, 1996, 54, 1043-1049.	3.2	189
8	Two-dimensional phononic crystal with tunable narrow pass band: Application to a waveguide with selective frequency. Journal of Applied Physics, 2003, 94, 1308-1311.	2.5	178
9	Sagittal elastic waves in infinite and semi-infinite superlattices. Physical Review B, 1983, 28, 1711-1720.	3.2	171
10	Experimental evidence for the existence of absolute acoustic band gaps in two-dimensional periodic composite media. Journal of Physics Condensed Matter, 1998, 10, 6051-6064.	1.8	147
11	Phononic crystal with low filling fraction and absolute acoustic band gap in the audible frequency range: A theoretical and experimental study. Physical Review E, 2002, 65, 056608.	2.1	138
12	Transmittivity through straight and stublike waveguides in a two-dimensional phononic crystal. Physical Review B, 2002, 65, .	3.2	128
13	Interface response theory of continuous composite systems. Surface Science Reports, 1990, 11, 139-178.	7.2	110
14	Theory of bulk and surface magnons in Heisenberg ferromagnetic superlattices. Physical Review B, 1986, 33, 3251-3256.	3.2	101
15	Photon, electron, magnon, phonon and plasmon mono-mode circuits. Surface Science Reports, 2004, 54, 1-156.	7.2	99
16	Physics of surface vibrational resonances: pillared phononic crystals, metamaterials, and metasurfaces. Reports on Progress in Physics, 2021, 84, 086502.	20.1	94
17	Interface response theory of discrete composite systems. Surface Science Reports, 1986, 6, 119-157.	7.2	91
18	Electrostatic Edge Modes in a Dielectric Wedge. Physical Review B, 1972, 6, 3810-3815.	3.2	90

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19	Band structure and omnidirectional photonic band gap in lamellar structures with left-handed materials. Physical Review E, 2004, 69, 066613.	2.1	90
20	Surface phonons and superstructures. Surface Science, 1976, 59, 252-278.	1.9	85
21	Giant gaps in photonic band structures. Physical Review B, 1998, 57, R9388-R9391.	3.2	79
22	Vibrational properties of an adsorbed surface layer on a simple model crystal. Journal of Physics and Chemistry of Solids, 1969, 30, 1043-1058.	4.0	76
23	Experimental and theoretical evidence for the existence of photonic bandgaps and selective transmissions in serial loop structures. Journal of Applied Physics, 2004, 95, 1102-1113.	2.5	73
24	Transmission gaps and Fano resonances in an acoustic waveguide: analytical model. Journal of Physics Condensed Matter, 2008, 20, 255212.	1.8	73
25	Stopping of acoustic waves by sonic polymer-fluid composites. Physical Review E, 2001, 63, 066605.	2.1	70
26	Acoustic waves in solid and fluid layered materials. Surface Science Reports, 2009, 64, 471-594.	7.2	69
27	Surface and interface elastic waves in superlattices: Transverse localized and resonant modes. Physical Review B, 1993, 48, 10987-10997.	3.2	68
28	Interface response theory of continuous composite materials. Surface Science, 1987, 180, 489-504.	1.9	65
29	Theory of surface and interface transverse elastic waves inN-layer superlattices. Physical Review B, 1996, 54, 14728-14741.	3.2	63
30	Sound isolation from cubic arrays of air bubbles in water. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 248, 252-256.	2.1	62
31	Defect modes in one-dimensional comblike photonic waveguides. Physical Review B, 1999, 59, 13446-13452.	3.2	58
32	Absolute band gaps and electromagnetic transmission in quasi-one-dimensional comb structures. Physical Review B, 1997, 55, 10434-10442.	3.2	57
33	Acoustic band gaps in fibre composite materials of boron nitride structure. Journal of Physics Condensed Matter, 1997, 9, 7327-7341.	1.8	56
34	Acoustic spectral gaps and discrete transmisson in slender tubes. Solid State Communications, 1998, 106, 659-663.	1.9	55
35	Theoretical analysis of the density of states and phase times: Application to resonant electromagnetic modes in finite superlattices. Physical Review B, 2001, 63, .	3.2	54
36	Sonic stop-bands for cubic arrays of rigid inclusions in air. European Physical Journal B, 1998, 3, 155-161.	1.5	52

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37	Localised electronic states in semiconductor superlattices. Surface Science Reports, 2002, 47, 93-196.	7.2	52
38	Surface contribution to the low-temperature specific heat of a hexagonal crystal. Physical Review B, 1976, 14, 2200-2210.	3.2	51
39	Vibrations in superlattices; application to GaAs-AlAs systems. Surface Science, 1983, 126, 197-201.	1.9	50
40	Response functions in layered dielectric media. Surface Science Reports, 1992, 16, 97-131.	7.2	49
41	Large magnonic band gaps and defect modes in one-dimensional comblike structures. Physical Review B, 1999, 59, 8709-8719.	3.2	46
42	Theory of surface phonons in superlattices. Physical Review B, 1984, 29, 3138-3147.	3.2	44
43	Simple excitations in N-layered superlattices. Solid State Communications, 1987, 62, 609-615.	1.9	42
44	Thermal Expansion at a Crystal Surface. Physical Review B, 1973, 7, 1207-1223.	3.2	39
45	Electronic surface states and miniband structure of superlattices with multiple layers per period. Physical Review B, 1997, 56, 9603-9612.	3.2	39
46	Acoustic waves in finite superlattices: Influence of buffer layers. Physical Review B, 1999, 59, 1999-2010.	3.2	39
47	Green's-function calculation of the surface properties of a two-band crystal. Physical Review B, 1975, 12, 3027-3045.	3.2	38
48	Examples of surface instabilities and superstructures. Solid State Communications, 1973, 13, 1175-1178.	1.9	37
49	Surface states in one-dimensional photonic band gap structures. Vacuum, 2001, 63, 177-183.	3.5	37
50	Observation of large photonic band gaps and defect modes in one-dimensional networked waveguides. Journal of Physics Condensed Matter, 2003, 15, 1593-1598.	1.8	33
51	Surface phonon entropy of crystalline lattices at high temperatures. Surface Science, 1968, 12, 469-478.	1.9	32
52	Stopping and filtering waves in phononic circuits. Journal of Physics Condensed Matter, 2004, 16, 37-44.	1.8	32
53	Magnonic circuits and crystals. Surface Science Reports, 2011, 66, 29-75.	7.2	32
54	Étude des vibrations de la surface d'un cristal. Journal De Physique, 1971, 32, 295-299.	1.8	32

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55	Nanometal plasmonpolaritons. Surface Science Reports, 2013, 68, 1-67.	7.2	31
56	Dynamics of surfaces with overlayers. Surface Science, 1981, 110, 129-150.	1.9	29
57	Large omnidirectional band gaps and selective transmission in one-dimensional multilayer photonic structures. Vacuum, 2001, 63, 197-203.	3.5	29
58	Simple calculation of the mean square displacements of volume and surface atoms of face-centered cubic crystals. Surface Science, 1972, 32, 623-638.	1.9	28
59	Simple self-consistent theory of adhesion at a bimetallic interface. Philosophical Magazine and Journal, 1974, 30, 33-45.	1.7	28
60	Interface response and scattering matrix theories for composite systems. Surface Science, 1986, 175, 1-8.	1.9	28
61	Interface response theory of electromagnetism in composite dielectric materials. Surface Science, 1987, 180, 505-517.	1.9	28
62	Streaming and removal forces due to second-order sound field during megasonic cleaning of silicon wafers. Journal of Applied Physics, 2000, 88, 6821-6835.	2.5	28
63	Interface-response theory of electromagnetism in dielectric superlattices. Physical Review B, 1988, 37, 8027-8033.	3.2	27
64	Interface response and rescaling approach to the eigenvectors of layered composite systems. I. Double-layer slab. Physical Review B, 1989, 39, 1819-1824.	3.2	26
65	Eigenvectors of composite systems. I. General theory. Journal of Physics Condensed Matter, 1989, 1, 1239-1245.	1.8	26
66	Surface and interface optical waves in superlattices: transverse electric localized and resonant modes. Journal of Physics Condensed Matter, 1996, 8, 4171-4188.	1.8	26
67	Evidence of Fano-like resonances in mono-mode magnetic circuits. Physical Review B, 2008, 78, .	3.2	26
68	Étude par une méthode de déphasages des vibrations de surfaces cristallines. Journal De Physique, 1969, 30, 116-124.	1.8	26
69	Theory of surface force-constant changes in body-centered cubic lattices. Surface Science, 1974, 43, 400-416.	1.9	25
70	Vibrational properties of a bicrystal interface: Different-interface phonons and the low-temperature specific heat. Physical Review B, 1977, 15, 5690-5711.	3.2	25
71	Theory of surface electronic states in metallic superlattices. Physical Review B, 1985, 31, 7739-7748.	3.2	25
72	Transmission gaps and sharp resonant states in the electronic transport through a simple mesoscopic device. Physical Review B, 2007, 75, .	3.2	25

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73	Effect of Reconstruction on the Electronic Free Energy of a Simple Model of Transition Metals. Physical Review B, 1973, 7, 2367-2377.	3.2	24
74	Simple Calculation of the Mean-Square Displacements of Bulk and Surface Atoms of Diamond-Structure Crystals. Physical Review B, 1972, 5, 1529-1534.	3.2	23
75	Existence of localized electronic states at interfaces. Surface Science, 1976, 61, 550-562.	1.9	23
76	Interface response theory of composite systems. Surface Science, 1988, 200, 435-443.	1.9	23
77	Localized mode frequencies of adsorbed gas layers or a single atom on body-centered cubic lattices. Surface Science, 1970, 20, 99-106.	1.9	22
78	Bulk and surface phonon polaritons in three-layer superlattices. Physical Review B, 1994, 50, 14605-14608.	3.2	22
79	Simple calculation of the mean square displacements of volume and surface atoms of centered cubic crystals. Journal of Physics and Chemistry of Solids, 1972, 33, 1603-1609.	4.0	21
80	Elastic continuum theory of surface-atom mean-square displacements. Physical Review B, 1977, 15, 5681-5685.	3.2	21
81	Bulk and surface electronic states in semiconductor superlattices. Surface Science, 1986, 166, 301-326.	1.9	21
82	Resonant tunneling between two continua. Physical Review B, 1999, 60, 10628-10631.	3.2	21
83	Nanoscale plasmon waveguide including cavity resonator. Journal of Physics Condensed Matter, 2009, 21, 375301.	1.8	21
84	Magnons et surstructures magnétiques d'interface. Journal De Physique, 1975, 36, 835-849.	1.8	20
85	Phonon Contribution to the Free Energy of Interacting Adatom Pairs. Physical Review B, 1973, 7, 4643-4651.	3.2	19
86	Acoustic resonances of adsorbed wires and channels. Journal of Physics Condensed Matter, 1993, 5, 8177-8194.	1.8	19
87	Giant stop bands and defect modes in one-dimensional waveguide with dangling side branches. Progress in Surface Science, 1998, 59, 255-264.	8.3	19
88	Giant electronic stop bands in one-dimensional comblike structures. Europhysics Letters, 1998, 41, 321-326.	2.0	19
89	Resonant and localized electromagnetic modes in finite superlattices. Physical Review B, 2000, 61, 2059-2064.	3.2	19
90	Studies of interface phonons. Surface Science, 1973, 34, 119-124.	1.9	18

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91	Elastic continuum theory of interface-atom mean-square displacements. Physical Review B, 1977, 16, 741-749.	3.2	18
92	Lattice dynamics of systems with two interfaces. Journal of Physics C: Solid State Physics, 1987, 20, 6137-6147.	1.5	18
93	Raman scattering from folded acoustic phonons and photoluminescence in multilayer GaAs-AlAs superlattices. Physical Review B, 1993, 47, 13553-13560.	3.2	18
94	Simple nanometric plasmon multiplexer. Physical Review E, 2004, 69, 035601.	2.1	18
95	Surface and interface acoustic waves in solid-fluid superlattices: Green's function approach. Physical Review B, 2006, 74, .	3.2	18
96	Surface Phonons and Gas Surface Interactions. Journal of Vacuum Science and Technology, 1972, 9, 705-712.	1.9	17
97	Localized phonons due to the adsorption of a monolayer of atoms on a crystal surface. Journal of Physics and Chemistry of Solids, 1973, 34, 847-858.	4.0	17
98	Surface phonons in superlattices. Journal of Electron Spectroscopy and Related Phenomena, 1983, 30, 119-124.	1.7	17
99	Very simple method for the calculation of the mean square displacement of crystal atoms. Journal De Physique, 1971, 32, 939-940.	1.8	17
100	The scattering of atoms from surfaces: a model. Journal of Physics C: Solid State Physics, 1971, 4, 1269-1278.	1.5	16
101	Theory of Surface Optical Phonons on Reconstructed Surfaces. Physical Review B, 1973, 7, 1322-1330.	3.2	16
102	Vibrational contribution to the low-temperature specific heat of the interface between two different crystals. Physical Review B, 1976, 14, 2296-2300.	3.2	16
103	Interface response theory of N-layered continuous superlattices. Surface Science, 1987, 182, 362-374.	1.9	16
104	Calculation of the entropies of lattice vacancies. Journal of Physics and Chemistry of Solids, 1969, 30, 2395-2398.	4.0	15
105	Perturbations de quelques propriétés vibrationnelles des surfaces cristallines par les marches. Journal De Physique, 1972, 33, 85-93.	1.8	15
106	Surface and interface states of (111) faces of semiconductors. Surface Science, 1978, 78, 24-36.	1.9	15
107	Kushwahaet al.Reply. Physical Review Letters, 1995, 75, 3581-3581.	7.8	15
108	Surface electronic structure of a step-well-basis superlattice. Physical Review B, 1998, 58, 4589-4598.	3.2	15

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109	Resonant tunnelling of acoustic waves between two slender tubes. Europhysics Letters, 1999, 46, 467-470.	2.0	15
110	Electromagnetic wave propagation in quasi-one-dimensional comb-like structures made up of dissipative negative-phase-velocity materials. Journal of Physics Condensed Matter, 2006, 18, 3683-3690.	1.8	15
111	Introduction à une théorie des systèmes composites : exemples simples de matériaux lamellaires. Annales De Physique, 1993, 18, 363-448.	0.2	15
112	Interface response theory of composite elastic media. Journal De Physique, 1989, 50, 2563-2578.	1.8	15
113	Effect of Surface Pinning Fields on the Properties of the Heisenberg Ferromagnet. Physical Review, 1969, 186, 538-548.	2.7	14
114	Vibrational properties of the adsorbed monolayer on face-centered cubic crystals. Surface Science, 1973, 34, 145-155.	1.9	13
115	Response functions for single interfaces and layered structures. Physical Review B, 1987, 35, 5872-5875.	3.2	13
116	Interface response and rescaling approach to the eigenvectors of layered composite systems. II. Triple-layer slab. Physical Review B, 1989, 39, 1825-1831.	3.2	13
117	Surface transverse elastic waves inN-layer superlattices. Physical Review B, 1989, 39, 10674-10681.	3.2	13
118	Response theory of interfaces, superlattices and composite materials. Surface Science, 1994, 299-300, 1008-1021.	1.9	13
119	Spin-wave transport in serial loop structures. Physical Review B, 2001, 64, .	3.2	13
120	Magnonic spectral gaps and discrete transmission in serial loop structures. Journal of Physics Condensed Matter, 2002, 14, 637-655.	1.8	13
121	Stability of surface layers from a study of the mean-square displacements of surface atoms. Physical Review B, 1975, 12, 1358-1363.	3.2	12
122	Interface response theory of N-layered metallic superlattices. Surface Science, 1988, 198, 285-299.	1.9	12
123	Ferromagnetism of composites with two interfaces. Physical Review B, 1988, 37, 5670-5676.	3.2	12
124	Eigenvectors of composite systems. II. Phonon eigenvectors in some layered materials. Journal of Physics Condensed Matter, 1989, 1, 1247-1252.	1.8	12
125	Brillouin-zone mapping of the existence conditions for interface bilayer spin waves. Physical Review B, 1995, 51, 16008-16015.	3.2	12
126	Electromagnetic waves in finite superlattices with buffer and cap layers. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1999, 16, 1703.	1.5	12

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127	Y-shaped magnonic demultiplexer using induced transparency resonances. AIP Advances, 2019, 9, 035011.	1.3	12
128	Quelques propriétés vibrationnelles et magnétiques des surfaces cristallines. Annales De Physique, 1969, 14, 637-670.	0.2	12
129	Elastic interactions between defects and interfaces. Surface Science, 1980, 91, 618-628.	1.9	11
130	Kronig-Penney-type model for semi-infinite superlattices: I. A comment on surface-state energy expression. Progress in Surface Science, 1994, 46, 219-223.	8.3	11
131	Electronic band gaps in one-dimensional comb structures of simple metals. Journal of Physics Condensed Matter, 1998, 10, 8973-8981.	1.8	11
132	Magneto-transport in asymmetric serial loop structures. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 291, 333-337.	2.1	11
133	A simple phonon multiplexer. Europhysics Letters, 2004, 65, 791-794.	2.0	11
134	Phonons in the presence of a planar defect. Journal De Physique, 1975, 36, 551-554.	1.8	11
135	Dangling bond surfaces states in (111) faces of zinc-blende compounds. Solid State Communications, 1978, 27, 29-31.	1.9	10
136	Interface states at (111) heterojunctions. Surface Science, 1979, 80, 134-140.	1.9	10
137	Theory of phonons in three- and four-layer superlattices. Physical Review B, 1989, 39, 12568-12574.	3.2	10
138	Electronic structure of some mesoscopic systems: II. Electronic composites. Progress in Surface Science, 1995, 48, 213-218.	8.3	10
139	Transmission filtering of a waveguide coupled to a stub microresonator. Applied Physics Letters, 2006, 89, 101113.	3.3	10
140	Interface vibrations. Annales De Physique, 1981, 6, 259-294.	0.2	10
141	Correlation functions of crystal atoms as a function of the distance to a free surface. Physical Review B, 1976, 14, 2695-2697.	3.2	9
142	Transverse elastic waves in periodically layered infinite, semi-infinite, and slab media. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1983, 1, 371.	1.6	9
143	Electronic surface states in GaAs/Ga1 â^ xAlxAs superlattice: effect of surface location. Vacuum, 1995, 46, 459-463.	3.5	9
144	The influence of capping layers on surface phonon polaritons in superlattices. Journal of Physics Condensed Matter, 1995, 7, 3445-3452.	1.8	9

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145	Giant magnonic band gaps and defect modes in serial stub structures: application to the tunneling between two wires. Surface Science, 2001, 482-485, 1062-1067.	1.9	9
146	Transmission and filtering in photonic circuits: effects of absorption and amplification. Progress in Surface Science, 2003, 74, 389-404.	8.3	9
147	Vibrational contribution to the surface specific heat of a fluid. Journal De Physique, 1982, 43, 523-529.	1.8	9
148	The method of moments for the U center in alkali halides. Journal of Physics and Chemistry of Solids, 1972, 33, 1447-1454.	4.0	8
149	Surface phonons and superstructures for adsorbate-substrate systems of rare gas solids. Surface Science, 1976, 60, 269-385.	1.9	8
150	Interface response theory of phonons inN-layer superlattices. Physical Review B, 1988, 37, 8451-8454.	3.2	8
151	Interface response theory of N-layered discrete semiconductor superlattices. Journal of Physics C: Solid State Physics, 1988, 21, 4761-4781.	1.5	8
152	Elastic energy of interaction of a point defect with a grain boundary. Physical Review B, 1989, 39, 1512-1517.	3.2	8
153	Phonons within two adsorbed slabs. Surface Science, 1989, 213, 588-593.	1.9	8
154	Dynamics of thin epitaxial layers on (001) surfaces of bcc metals: A Green-function approach. Physical Review B, 1990, 41, 10377-10386.	3.2	8
155	Electrotunable band gaps of one- and two-dimensional photonic crystal structures based on silicon and liquid crystals. Journal of Applied Physics, 2008, 104, 063108.	2.5	8
156	Possibilité de surstructures d'Interface. Surface Science, 1975, 52, 29-39.	1.9	7
157	Image-potential states at surfaces and in tunnel junctions. Physical Review B, 1990, 42, 1163-1167.	3.2	7
158	Existence conditions for interface bilayer spin waves. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 1981-1982.	2.3	7
159	Sharp resonant phonons in two adsorbed slabs. Solid State Communications, 1996, 97, 611-616.	1.9	7
160	Simple models of adsorbed polymers: Vibrational properties. Progress in Surface Science, 1996, 53, 179-186.	8.3	7
161	Propagation of waves and chaos in transmission line with strongly anharmonic dangling resonator. European Physical Journal B, 2003, 32, 73-79.	1.5	7
162	A simple model of metallic quantum wells. Journal of Physics C: Solid State Physics, 1987, 20, 6201-6211.	1.5	6

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163	Theory of interfaces between discrete and continuous media — Application to transition metal surface states. Surface Science, 1989, 213, 630-637.	1.9	6
164	Resonant guided elastic waves in an adsorbed slab: theoretical analysis of the density of states. Journal of Physics Condensed Matter, 1994, 6, 1089-1098.	1.8	6
165	Electronic surface states in superlattice with complex basis. European Physical Journal D, 1997, 47, 421-428.	0.4	6
166	Effect of pinning fields on the spin wave band gaps in comblike structures. European Physical Journal B, 2004, 37, 499-506.	1.5	6
167	Magnon propagation in a nanometric magnetic cluster chain: Effects of additional clusters near the chain. Surface Science, 2006, 600, 4883-4887.	1.9	6
168	Particle cross transfer. Surface Science Reports, 2008, 63, 391-399.	7.2	6
169	Discrete One-Dimensional Phononic and Resonant Crystals. Springer Series in Solid-state Sciences, 2013, , 13-44.	0.3	6
170	Effect of Damping on Magnetic Induced Resonances in Cross Waveguide Structures. Journal of Superconductivity and Novel Magnetism, 2021, 34, 597-608.	1.8	6
171	Resonant Phonons in Adsorbates. Acta Physica Polonica A, 1996, 89, 139-144.	0.5	6
172	Long-lived resonances: Photonic triangular pyramid. Photonics and Nanostructures - Fundamentals and Applications, 2022, 50, 101022.	2.0	6
173	Surface reconstruction of a two-band crystal. Applications of Surface Science, 1977, 1, 33-43.	1.0	5
174	High energy resonance electronic states inside a W-Pd(111) tunnel junction. Surface Science, 1992, 276, 360-368.	1.9	5
175	Anomalous exponent in the kinetics of grain growth with anisotropic interfacial energy. Physical Review B, 1997, 55, 205-211.	3.2	5
176	Photonic tunneling between two wires. Progress in Surface Science, 2001, 67, 347-354.	8.3	5
177	Electron tunneling cross-talk: Selective transmission in semiconductor nanowires. Physical Review B, 2004, 70, .	3.2	5
178	Simple acoustic multiplexer. Physical Review E, 2005, 71, 047601.	2.1	5
179	Magnon nanometric filters in quasi-one-dimensional cluster chains. Surface Science, 2007, 601, 4801-4808.	1.9	5
180	Microstubs resonators integrated to bent Y-branch waveguide. Photonics and Nanostructures - Fundamentals and Applications, 2008, 6, 26-31.	2.0	5

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181	One-dimensional magnonic circuits with size-tunable band gaps and selective transmission. Journal of Physics: Conference Series, 2011, 303, 012017.	0.4	5
182	Resonant Phonons in Adsorbed Slabs. Acta Physica Polonica A, 1992, 81, 85-90.	0.5	5
183	Theory of temperature-dependent surface force constant changes in body-centered cubic crystals. Surface Science, 1975, 49, 9-20.	1.9	4
184	On the lowering of the electronic energy in model insulators due to surface reconstruction. Solid State Communications, 1976, 18, 429-431.	1.9	4
185	Surface phonons and superstructures; Some applications. Surface Science, 1977, 63, 21-32.	1.9	4
186	Surface reconstruction of a two-band crystal. Applications of Surface Science, 1977, 1, 44-58.	1.0	4
187	Surface phonons of hydrogen on tungsten. Surface Science, 1979, 89, 446-456.	1.9	4
188	Surface and interface s-polarized optical waves in superlattices. Vacuum, 1995, 46, 621-624.	3.5	4
189	Roughness induced surface acoustic resonances. Progress in Surface Science, 1995, 48, 301-311.	8.3	4
190	Configuration effects of the existence conditions for interface bilayer spin waves. Surface Science, 1996, 352-354, 914-918.	1.9	4
191	Electron channel drop tunnelling. Journal of Physics Condensed Matter, 1999, 11, L247-L252.	1.8	4
192	Directional photon transfer between two wires. Physical Review E, 2003, 67, 057603.	2.1	4
193	A nanometric electron multiplexer. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 24, 355-360.	2.7	4
194	Magnon nanometric multiplexer in quasi-one-dimensional cluster chains. Surface Science, 2008, 602, 1795-1802.	1.9	4
195	Enhanced directional optical transmission. Applied Physics Letters, 2008, 93, .	3.3	4
196	Calcul des fréquences localisées de vibration de surfaces libres et en présence d'une couche d'adsorbat par une méthode analytique très simple. Journal De Physique, 1971, 32, 963-971.	1.8	4
197	Contribution vibrationnelle aux propriétés thermodynamiques d'une monocouche physisorbée. Journal De Physique (Paris), Lettres, 1976, 37, 213-217.	2.8	4
198	Some vibrational and magnetic properties of an interface and a planar defect in the elastic approximation. Journal of Physics C: Solid State Physics, 1977, 10, 2321-2332.	1.5	3

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199	Thermal expansion and stability of (111) adsorbate-substrate systems of rare gases. Physical Review B, 1979, 19, 2381-2384.	3.2	3
200	Elastic interaction between a point defect and a step. Solid State Communications, 1982, 41, 131-133.	1.9	3
201	Elastic interaction of an anisotropic defect with a surface. Solid State Communications, 1983, 45, 337-341.	1.9	3
202	Propagation of electromagnetic waves in periodic and Fibonacci photonic loop structures. Physica A: Statistical Mechanics and Its Applications, 2005, 358, 68-85.	2.6	3
203	Characterization of InP semiconductor waveguides coupled to disk microcavity optical resonators via opto-microwave technique. Microwave and Optical Technology Letters, 2005, 45, 315-317.	1.4	3
204	Selective filtering of confined optical waves in a straight waveguide coupled to lateral stubs. Journal of Optics, 2007, 9, S431-S436.	1.5	3
205	Progrès récents dans la théorie de l'interaction des électrons de Bloch et des phonons avec une surface cristalline. Annales De Physique, 1972, 14, 407-441.	0.2	3
206	Elastic Vibrations of Planar and Deterministic Rough Surfaces. Acta Physica Polonica A, 1996, 89, 129-137.	0.5	3
207	Elastic interaction between surface anisotropic defects and steps or kinks. Surface Science, 1985, 152-153, 149-154.	1.9	2
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