

Leonard Dobrzynski

List of Publications by Year in descending order

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268
papers

9,910
citations

66234

42
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40881

93
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280
all docs

280
docs citations

280
times ranked

2963
citing authors

#	ARTICLE	IF	CITATIONS
1	Acoustic band structure of periodic elastic composites. <i>Physical Review Letters</i> , 1993, 71, 2022-2025.	2.9	2,336
2	Theory of acoustic band structure of periodic elastic composites. <i>Physical Review B</i> , 1994, 49, 2313-2322.	1.1	715
3	Experimental and Theoretical Evidence for the Existence of Absolute Acoustic Band Gaps in Two-Dimensional Solid Phononic Crystals. <i>Physical Review Letters</i> , 2001, 86, 3012-3015.	2.9	472
4	Two-dimensional phononic crystals: Examples and applications. <i>Surface Science Reports</i> , 2010, 65, 229-291.	3.8	462
5	Transverse elastic waves in periodically layered infinite and semi-infinite media. <i>Physical Review B</i> , 1983, 27, 7318-7329.	1.1	245
6	Complete acoustic band gaps in periodic fibre reinforced composite materials: the carbon/epoxy composite and some metallic systems. <i>Journal of Physics Condensed Matter</i> , 1994, 6, 8759-8770.	0.7	218
7	Magnon band structure of periodic composites. <i>Physical Review B</i> , 1996, 54, 1043-1049.	1.1	189
8	Two-dimensional phononic crystal with tunable narrow pass band: Application to a waveguide with selective frequency. <i>Journal of Applied Physics</i> , 2003, 94, 1308-1311.	1.1	178
9	Sagittal elastic waves in infinite and semi-infinite superlattices. <i>Physical Review B</i> , 1983, 28, 1711-1720.	1.1	171
10	Experimental evidence for the existence of absolute acoustic band gaps in two-dimensional periodic composite media. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 6051-6064.	0.7	147
11	Phononic crystal with low filling fraction and absolute acoustic band gap in the audible frequency range: A theoretical and experimental study. <i>Physical Review E</i> , 2002, 65, 056608.	0.8	138
12	Transmittivity through straight and stublike waveguides in a two-dimensional phononic crystal. <i>Physical Review B</i> , 2002, 65, .	1.1	128
13	Interface response theory of continuous composite systems. <i>Surface Science Reports</i> , 1990, 11, 139-178.	3.8	110
14	Theory of bulk and surface magnons in Heisenberg ferromagnetic superlattices. <i>Physical Review B</i> , 1986, 33, 3251-3256.	1.1	101
15	Photon, electron, magnon, phonon and plasmon mono-mode circuits. <i>Surface Science Reports</i> , 2004, 54, 1-156.	3.8	99
16	Physics of surface vibrational resonances: pillared phononic crystals, metamaterials, and metasurfaces. <i>Reports on Progress in Physics</i> , 2021, 84, 086502.	8.1	94
17	Interface response theory of discrete composite systems. <i>Surface Science Reports</i> , 1986, 6, 119-157.	3.8	91
18	Electrostatic Edge Modes in a Dielectric Wedge. <i>Physical Review B</i> , 1972, 6, 3810-3815.	1.1	90

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19	Band structure and omnidirectional photonic band gap in lamellar structures with left-handed materials. <i>Physical Review E</i> , 2004, 69, 066613.	0.8	90
20	Surface phonons and superstructures. <i>Surface Science</i> , 1976, 59, 252-278.	0.8	85
21	Giant gaps in photonic band structures. <i>Physical Review B</i> , 1998, 57, R9388-R9391.	1.1	79
22	Vibrational properties of an adsorbed surface layer on a simple model crystal. <i>Journal of Physics and Chemistry of Solids</i> , 1969, 30, 1043-1058.	1.9	76
23	Experimental and theoretical evidence for the existence of photonic bandgaps and selective transmissions in serial loop structures. <i>Journal of Applied Physics</i> , 2004, 95, 1102-1113.	1.1	73
24	Transmission gaps and Fano resonances in an acoustic waveguide: analytical model. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 255212.	0.7	73
25	Stopping of acoustic waves by sonic polymer-fluid composites. <i>Physical Review E</i> , 2001, 63, 066605.	0.8	70
26	Acoustic waves in solid and fluid layered materials. <i>Surface Science Reports</i> , 2009, 64, 471-594.	3.8	69
27	Surface and interface elastic waves in superlattices: Transverse localized and resonant modes. <i>Physical Review B</i> , 1993, 48, 10987-10997.	1.1	68
28	Interface response theory of continuous composite materials. <i>Surface Science</i> , 1987, 180, 489-504.	0.8	65
29	Theory of surface and interface transverse elastic waves in N-layer superlattices. <i>Physical Review B</i> , 1996, 54, 14728-14741.	1.1	63
30	Sound isolation from cubic arrays of air bubbles in water. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1998, 248, 252-256.	0.9	62
31	Defect modes in one-dimensional comblike photonic waveguides. <i>Physical Review B</i> , 1999, 59, 13446-13452.	1.1	58
32	Absolute band gaps and electromagnetic transmission in quasi-one-dimensional comb structures. <i>Physical Review B</i> , 1997, 55, 10434-10442.	1.1	57
33	Acoustic band gaps in fibre composite materials of boron nitride structure. <i>Journal of Physics Condensed Matter</i> , 1997, 9, 7327-7341.	0.7	56
34	Acoustic spectral gaps and discrete transmission in slender tubes. <i>Solid State Communications</i> , 1998, 106, 659-663.	0.9	55
35	Theoretical analysis of the density of states and phase times: Application to resonant electromagnetic modes in finite superlattices. <i>Physical Review B</i> , 2001, 63, .	1.1	54
36	Sonic stop-bands for cubic arrays of rigid inclusions in air. <i>European Physical Journal B</i> , 1998, 3, 155-161.	0.6	52

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37	Localised electronic states in semiconductor superlattices. Surface Science Reports, 2002, 47, 93-196.	3.8	52
38	Surface contribution to the low-temperature specific heat of a hexagonal crystal. Physical Review B, 1976, 14, 2200-2210.	1.1	51
39	Vibrations in superlattices; application to GaAs-AlAs systems. Surface Science, 1983, 126, 197-201.	0.8	50
40	Response functions in layered dielectric media. Surface Science Reports, 1992, 16, 97-131.	3.8	49
41	Large magnonic band gaps and defect modes in one-dimensional comblike structures. Physical Review B, 1999, 59, 8709-8719.	1.1	46
42	Theory of surface phonons in superlattices. Physical Review B, 1984, 29, 3138-3147.	1.1	44
43	Simple excitations in N-layered superlattices. Solid State Communications, 1987, 62, 609-615.	0.9	42
44	Thermal Expansion at a Crystal Surface. Physical Review B, 1973, 7, 1207-1223.	1.1	39
45	Electronic surface states and miniband structure of superlattices with multiple layers per period. Physical Review B, 1997, 56, 9603-9612.	1.1	39
46	Acoustic waves in finite superlattices: Influence of buffer layers. Physical Review B, 1999, 59, 1999-2010.	1.1	39
47	Green's-function calculation of the surface properties of a two-band crystal. Physical Review B, 1975, 12, 3027-3045.	1.1	38
48	Examples of surface instabilities and superstructures. Solid State Communications, 1973, 13, 1175-1178.	0.9	37
49	Surface states in one-dimensional photonic band gap structures. Vacuum, 2001, 63, 177-183.	1.6	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.	0.7	33
51	Surface phonon entropy of crystalline lattices at high temperatures. Surface Science, 1968, 12, 469-478.	0.8	32
52	Stopping and filtering waves in phononic circuits. Journal of Physics Condensed Matter, 2004, 16, 37-44.	0.7	32
53	Magnonic circuits and crystals. Surface Science Reports, 2011, 66, 29-75.	3.8	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.	3.8	31
56	Dynamics of surfaces with overlayers. Surface Science, 1981, 110, 129-150.	0.8	29
57	Large omnidirectional band gaps and selective transmission in one-dimensional multilayer photonic structures. Vacuum, 2001, 63, 197-203.	1.6	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.	0.8	28
59	Simple self-consistent theory of adhesion at a bimetallic interface. Philosophical Magazine and Journal, 1974, 30, 33-45.	1.8	28
60	Interface response and scattering matrix theories for composite systems. Surface Science, 1986, 175, 1-8.	0.8	28
61	Interface response theory of electromagnetism in composite dielectric materials. Surface Science, 1987, 180, 505-517.	0.8	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.	1.1	28
63	Interface-response theory of electromagnetism in dielectric superlattices. Physical Review B, 1988, 37, 8027-8033.	1.1	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.	1.1	26
65	Eigenvectors of composite systems. I. General theory. Journal of Physics Condensed Matter, 1989, 1, 1239-1245.	0.7	26
66	Surface and interface optical waves in superlattices: transverse electric localized and resonant modes. Journal of Physics Condensed Matter, 1996, 8, 4171-4188.	0.7	26
67	Evidence of Fano-like resonances in mono-mode magnetic circuits. Physical Review B, 2008, 78, .	1.1	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.	0.8	25
70	Vibrational properties of a bicrystal interface: Different-interface phonons and the low-temperature specific heat. Physical Review B, 1977, 15, 5690-5711.	1.1	25
71	Theory of surface electronic states in metallic superlattices. Physical Review B, 1985, 31, 7739-7748.	1.1	25
72	Transmission gaps and sharp resonant states in the electronic transport through a simple mesoscopic device. Physical Review B, 2007, 75, .	1.1	25

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73	Effect of Reconstruction on the Electronic Free Energy of a Simple Model of Transition Metals. <i>Physical Review B</i> , 1973, 7, 2367-2377.	1.1	24
74	Simple Calculation of the Mean-Square Displacements of Bulk and Surface Atoms of Diamond-Structure Crystals. <i>Physical Review B</i> , 1972, 5, 1529-1534.	1.1	23
75	Existence of localized electronic states at interfaces. <i>Surface Science</i> , 1976, 61, 550-562.	0.8	23
76	Interface response theory of composite systems. <i>Surface Science</i> , 1988, 200, 435-443.	0.8	23
77	Localized mode frequencies of adsorbed gas layers or a single atom on body-centered cubic lattices. <i>Surface Science</i> , 1970, 20, 99-106.	0.8	22
78	Bulk and surface phonon polaritons in three-layer superlattices. <i>Physical Review B</i> , 1994, 50, 14605-14608.	1.1	22
79	Simple calculation of the mean square displacements of volume and surface atoms of centered cubic crystals. <i>Journal of Physics and Chemistry of Solids</i> , 1972, 33, 1603-1609.	1.9	21
80	Elastic continuum theory of surface-atom mean-square displacements. <i>Physical Review B</i> , 1977, 15, 5681-5685.	1.1	21
81	Bulk and surface electronic states in semiconductor superlattices. <i>Surface Science</i> , 1986, 166, 301-326.	0.8	21
82	Resonant tunneling between two continua. <i>Physical Review B</i> , 1999, 60, 10628-10631.	1.1	21
83	Nanoscale plasmon waveguide including cavity resonator. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 375301.	0.7	21
84	Magnons et surstructures magnétiques d'interface. <i>Journal De Physique</i> , 1975, 36, 835-849.	1.8	20
85	Phonon Contribution to the Free Energy of Interacting Adatom Pairs. <i>Physical Review B</i> , 1973, 7, 4643-4651.	1.1	19
86	Acoustic resonances of adsorbed wires and channels. <i>Journal of Physics Condensed Matter</i> , 1993, 5, 8177-8194.	0.7	19
87	Giant stop bands and defect modes in one-dimensional waveguide with dangling side branches. <i>Progress in Surface Science</i> , 1998, 59, 255-264.	3.8	19
88	Giant electronic stop bands in one-dimensional comblike structures. <i>Europhysics Letters</i> , 1998, 41, 321-326.	0.7	19
89	Resonant and localized electromagnetic modes in finite superlattices. <i>Physical Review B</i> , 2000, 61, 2059-2064.	1.1	19
90	Studies of interface phonons. <i>Surface Science</i> , 1973, 34, 119-124.	0.8	18

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91	Elastic continuum theory of interface-atom mean-square displacements. <i>Physical Review B</i> , 1977, 16, 741-749.	1.1	18
92	Lattice dynamics of systems with two interfaces. <i>Journal of Physics C: Solid State Physics</i> , 1987, 20, 6137-6147.	1.5	18
93	Raman scattering from folded acoustic phonons and photoluminescence in multilayer GaAs-AlAs superlattices. <i>Physical Review B</i> , 1993, 47, 13553-13560.	1.1	18
94	Simple nanometric plasmon multiplexer. <i>Physical Review E</i> , 2004, 69, 035601.	0.8	18
95	Surface and interface acoustic waves in solid-fluid superlattices: Green's function approach. <i>Physical Review B</i> , 2006, 74, .	1.1	18
96	Surface Phonons and Gas Surface Interactions. <i>Journal of Vacuum Science and Technology</i> , 1972, 9, 705-712.	1.9	17
97	Localized phonons due to the adsorption of a monolayer of atoms on a crystal surface. <i>Journal of Physics and Chemistry of Solids</i> , 1973, 34, 847-858.	1.9	17
98	Surface phonons in superlattices. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1983, 30, 119-124.	0.8	17
99	Very simple method for the calculation of the mean square displacement of crystal atoms. <i>Journal De Physique</i> , 1971, 32, 939-940.	1.8	17
100	The scattering of atoms from surfaces: a model. <i>Journal of Physics C: Solid State Physics</i> , 1971, 4, 1269-1278.	1.5	16
101	Theory of Surface Optical Phonons on Reconstructed Surfaces. <i>Physical Review B</i> , 1973, 7, 1322-1330.	1.1	16
102	Vibrational contribution to the low-temperature specific heat of the interface between two different crystals. <i>Physical Review B</i> , 1976, 14, 2296-2300.	1.1	16
103	Interface response theory of N-layered continuous superlattices. <i>Surface Science</i> , 1987, 182, 362-374.	0.8	16
104	Calculation of the entropies of lattice vacancies. <i>Journal of Physics and Chemistry of Solids</i> , 1969, 30, 2395-2398.	1.9	15
105	Perturbations de quelques propriétés vibrationnelles des surfaces cristallines par les marches. <i>Journal De Physique</i> , 1972, 33, 85-93.	1.8	15
106	Surface and interface states of (111) faces of semiconductors. <i>Surface Science</i> , 1978, 78, 24-36.	0.8	15
107	Kushwaha et al. Reply. <i>Physical Review Letters</i> , 1995, 75, 3581-3581.	2.9	15
108	Surface electronic structure of a step-well-basis superlattice. <i>Physical Review B</i> , 1998, 58, 4589-4598.	1.1	15

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109	Resonant tunnelling of acoustic waves between two slender tubes. <i>Europhysics Letters</i> , 1999, 46, 467-470.	0.7	15
110	Electromagnetic wave propagation in quasi-one-dimensional comb-like structures made up of dissipative negative-phase-velocity materials. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 3683-3690.	0.7	15
111	Introduction à une théorie des systèmes composites : exemples simples de matériaux lamellaires. <i>Annales De Physique</i> , 1993, 18, 363-448.	0.2	15
112	Interface response theory of composite elastic media. <i>Journal De Physique</i> , 1989, 50, 2563-2578.	1.8	15
113	Effect of Surface Pinning Fields on the Properties of the Heisenberg Ferromagnet. <i>Physical Review</i> , 1969, 186, 538-548.	2.7	14
114	Vibrational properties of the adsorbed monolayer on face-centered cubic crystals. <i>Surface Science</i> , 1973, 34, 145-155.	0.8	13
115	Response functions for single interfaces and layered structures. <i>Physical Review B</i> , 1987, 35, 5872-5875.	1.1	13
116	Interface response and rescaling approach to the eigenvectors of layered composite systems. II. Triple-layer slab. <i>Physical Review B</i> , 1989, 39, 1825-1831.	1.1	13
117	Surface transverse elastic waves in N-layer superlattices. <i>Physical Review B</i> , 1989, 39, 10674-10681.	1.1	13
118	Response theory of interfaces, superlattices and composite materials. <i>Surface Science</i> , 1994, 299-300, 1008-1021.	0.8	13
119	Spin-wave transport in serial loop structures. <i>Physical Review B</i> , 2001, 64, .	1.1	13
120	Magnonic spectral gaps and discrete transmission in serial loop structures. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 637-655.	0.7	13
121	Stability of surface layers from a study of the mean-square displacements of surface atoms. <i>Physical Review B</i> , 1975, 12, 1358-1363.	1.1	12
122	Interface response theory of N-layered metallic superlattices. <i>Surface Science</i> , 1988, 198, 285-299.	0.8	12
123	Ferromagnetism of composites with two interfaces. <i>Physical Review B</i> , 1988, 37, 5670-5676.	1.1	12
124	Eigenvectors of composite systems. II. Phonon eigenvectors in some layered materials. <i>Journal of Physics Condensed Matter</i> , 1989, 1, 1247-1252.	0.7	12
125	Brillouin-zone mapping of the existence conditions for interface bilayer spin waves. <i>Physical Review B</i> , 1995, 51, 16008-16015.	1.1	12
126	Electromagnetic waves in finite superlattices with buffer and cap layers. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1999, 16, 1703.	0.8	12

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127	Y-shaped magnonic demultiplexer using induced transparency resonances. <i>AIP Advances</i> , 2019, 9, 035011.	0.6	12
128	Quelques propriétés vibrationnelles et magnétiques des surfaces cristallines. <i>Annales De Physique</i> , 1969, 14, 637-670.	0.2	12
129	Elastic interactions between defects and interfaces. <i>Surface Science</i> , 1980, 91, 618-628.	0.8	11
130	Kronig-Penney-type model for semi-infinite superlattices: I. A comment on surface-state energy expression. <i>Progress in Surface Science</i> , 1994, 46, 219-223.	3.8	11
131	Electronic band gaps in one-dimensional comb structures of simple metals. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 8973-8981.	0.7	11
132	Magneto-transport in asymmetric serial loop structures. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2001, 291, 333-337.	0.9	11
133	A simple phonon multiplexer. <i>Europhysics Letters</i> , 2004, 65, 791-794.	0.7	11
134	Phonons in the presence of a planar defect. <i>Journal De Physique</i> , 1975, 36, 551-554.	1.8	11
135	Dangling bond surfaces states in (111) faces of zinc-blende compounds. <i>Solid State Communications</i> , 1978, 27, 29-31.	0.9	10
136	Interface states at (111) heterojunctions. <i>Surface Science</i> , 1979, 80, 134-140.	0.8	10
137	Theory of phonons in three- and four-layer superlattices. <i>Physical Review B</i> , 1989, 39, 12568-12574.	1.1	10
138	Electronic structure of some mesoscopic systems: II. Electronic composites. <i>Progress in Surface Science</i> , 1995, 48, 213-218.	3.8	10
139	Transmission filtering of a waveguide coupled to a stub microresonator. <i>Applied Physics Letters</i> , 2006, 89, 101113.	1.5	10
140	Interface vibrations. <i>Annales De Physique</i> , 1981, 6, 259-294.	0.2	10
141	Correlation functions of crystal atoms as a function of the distance to a free surface. <i>Physical Review B</i> , 1976, 14, 2695-2697.	1.1	9
142	Transverse elastic waves in periodically layered infinite, semi-infinite, and slab media. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1983, 1, 371.	1.6	9
143	Electronic surface states in GaAs/Ga _{1-x} Al _x As superlattice: effect of surface location. <i>Vacuum</i> , 1995, 46, 459-463.	1.6	9
144	The influence of capping layers on surface phonon polaritons in superlattices. <i>Journal of Physics Condensed Matter</i> , 1995, 7, 3445-3452.	0.7	9

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145	Giant magnonic band gaps and defect modes in serial stub structures: application to the tunneling between two wires. <i>Surface Science</i> , 2001, 482-485, 1062-1067.	0.8	9
146	Transmission and filtering in photonic circuits: effects of absorption and amplification. <i>Progress in Surface Science</i> , 2003, 74, 389-404.	3.8	9
147	Vibrational contribution to the surface specific heat of a fluid. <i>Journal De Physique</i> , 1982, 43, 523-529.	1.8	9
148	The method of moments for the U center in alkali halides. <i>Journal of Physics and Chemistry of Solids</i> , 1972, 33, 1447-1454.	1.9	8
149	Surface phonons and superstructures for adsorbate-substrate systems of rare gas solids. <i>Surface Science</i> , 1976, 60, 269-385.	0.8	8
150	Interface response theory of phonons in N-layer superlattices. <i>Physical Review B</i> , 1988, 37, 8451-8454.	1.1	8
151	Interface response theory of N-layered discrete semiconductor superlattices. <i>Journal of Physics C: Solid State Physics</i> , 1988, 21, 4761-4781.	1.5	8
152	Elastic energy of interaction of a point defect with a grain boundary. <i>Physical Review B</i> , 1989, 39, 1512-1517.	1.1	8
153	Phonons within two adsorbed slabs. <i>Surface Science</i> , 1989, 213, 588-593.	0.8	8
154	Dynamics of thin epitaxial layers on (001) surfaces of bcc metals: A Green-function approach. <i>Physical Review B</i> , 1990, 41, 10377-10386.	1.1	8
155	Electrotunable band gaps of one- and two-dimensional photonic crystal structures based on silicon and liquid crystals. <i>Journal of Applied Physics</i> , 2008, 104, 063108.	1.1	8
156	Possibilit� de surstructures d'Interface. <i>Surface Science</i> , 1975, 52, 29-39.	0.8	7
157	Image-potential states at surfaces and in tunnel junctions. <i>Physical Review B</i> , 1990, 42, 1163-1167.	1.1	7
158	Existence conditions for interface bilayer spin waves. <i>Journal of Magnetism and Magnetic Materials</i> , 1995, 140-144, 1981-1982.	1.0	7
159	Sharp resonant phonons in two adsorbed slabs. <i>Solid State Communications</i> , 1996, 97, 611-616.	0.9	7
160	Simple models of adsorbed polymers: Vibrational properties. <i>Progress in Surface Science</i> , 1996, 53, 179-186.	3.8	7
161	Propagation of waves and chaos in transmission line with strongly anharmonic dangling resonator. <i>European Physical Journal B</i> , 2003, 32, 73-79.	0.6	7
162	A simple model of metallic quantum wells. <i>Journal of Physics C: Solid State Physics</i> , 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. <i>Surface Science</i> , 1989, 213, 630-637.	0.8	6
164	Resonant guided elastic waves in an adsorbed slab: theoretical analysis of the density of states. <i>Journal of Physics Condensed Matter</i> , 1994, 6, 1089-1098.	0.7	6
165	Electronic surface states in superlattice with complex basis. <i>European Physical Journal D</i> , 1997, 47, 421-428.	0.4	6
166	Effect of pinning fields on the spin wave band gaps in comblike structures. <i>European Physical Journal B</i> , 2004, 37, 499-506.	0.6	6
167	Magnon propagation in a nanometric magnetic cluster chain: Effects of additional clusters near the chain. <i>Surface Science</i> , 2006, 600, 4883-4887.	0.8	6
168	Particle cross transfer. <i>Surface Science Reports</i> , 2008, 63, 391-399.	3.8	6
169	Discrete One-Dimensional Phononic and Resonant Crystals. <i>Springer Series in Solid-state Sciences</i> , 2013, , 13-44.	0.3	6
170	Effect of Damping on Magnetic Induced Resonances in Cross Waveguide Structures. <i>Journal of Superconductivity and Novel Magnetism</i> , 2021, 34, 597-608.	0.8	6
171	Resonant Phonons in Adsorbates. <i>Acta Physica Polonica A</i> , 1996, 89, 139-144.	0.2	6
172	Long-lived resonances: Photonic triangular pyramid. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2022, 50, 101022.	1.0	6
173	Surface reconstruction of a two-band crystal. <i>Applications of Surface Science</i> , 1977, 1, 33-43.	1.0	5
174	High energy resonance electronic states inside a W-Pd(111) tunnel junction. <i>Surface Science</i> , 1992, 276, 360-368.	0.8	5
175	Anomalous exponent in the kinetics of grain growth with anisotropic interfacial energy. <i>Physical Review B</i> , 1997, 55, 205-211.	1.1	5
176	Photonic tunneling between two wires. <i>Progress in Surface Science</i> , 2001, 67, 347-354.	3.8	5
177	Electron tunneling cross-talk: Selective transmission in semiconductor nanowires. <i>Physical Review B</i> , 2004, 70, .	1.1	5
178	Simple acoustic multiplexer. <i>Physical Review E</i> , 2005, 71, 047601.	0.8	5
179	Magnon nanometric filters in quasi-one-dimensional cluster chains. <i>Surface Science</i> , 2007, 601, 4801-4808.	0.8	5
180	Microstubs resonators integrated to bent Y-branch waveguide. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2008, 6, 26-31.	1.0	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.	0.3	5
182	Resonant Phonons in Adsorbed Slabs. Acta Physica Polonica A, 1992, 81, 85-90.	0.2	5
183	Theory of temperature-dependent surface force constant changes in body-centered cubic crystals. Surface Science, 1975, 49, 9-20.	0.8	4
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