

# Albert Sievers

## List of Publications by Year in descending order

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249  
papers

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docs citations

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times ranked

3567  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intrinsic Localized Modes in Anharmonic Crystals. <i>Physical Review Letters</i> , 1988, 61, 970-973.	2.9	1,111
2	Optical studies of the vibrational properties of disordered solids. <i>Reviews of Modern Physics</i> , 1975, 47, S1-S179.	16.4	699
3	Colloquium: Nonlinear energy localization and its manipulation in micromechanical oscillator arrays. <i>Reviews of Modern Physics</i> , 2006, 78, 137-157.	16.4	299
4	Observation of Locked Intrinsic Localized Vibrational Modes in a Micromechanical Oscillator Array. <i>Physical Review Letters</i> , 2003, 90, 044102.	2.9	289
5	NONLINEAR OPTICAL PROPERTIES OF PERIODIC LAMINAR STRUCTURES. <i>Applied Physics Letters</i> , 1970, 17, 483-486.	1.5	248
6	Experimental Generation and Observation of Intrinsic Localized Spin Wave Modes in an Antiferromagnet. <i>Physical Review Letters</i> , 1999, 83, 223-226.	2.9	240
7	Intrinsic Localized Vibrational Modes in Anharmonic Crystals. <i>Progress of Theoretical Physics Supplement</i> , 1988, 94, 242-269.	0.2	208
8	Far-infrared absorption in small metallic particles. <i>Physical Review B</i> , 1975, 11, 1330-1341.	1.1	194
9	Observation of coherent transition radiation. <i>Physical Review Letters</i> , 1991, 67, 2962-2965.	2.9	183
10	Far-Infrared Absorption in Ultrafine Al Particles. <i>Physical Review Letters</i> , 1976, 37, 625-629.	2.9	164
11	Far Infrared Antiferromagnetic Resonance in MnO and NiO. <i>Physical Review</i> , 1963, 129, 1566-1571.	2.7	160
12	Direct observation of the discrete character of intrinsic localized modes in an antiferromagnet. <i>Nature</i> , 2004, 432, 486-488.	13.7	159
13	Observation of an Energy- and Temperature-Dependent Carrier Mass for Mixed-Valence CePd <sub>3</sub> . <i>Physical Review Letters</i> , 1986, 57, 1951-1954.	2.9	144
14	Laboratory Results on Millimeter-Wave Absorption in Silicate Grain Materials at Cryogenic Temperatures. <i>Astrophysical Journal</i> , 1996, 462, 1026.	1.6	138
15	Stationary and moving intrinsic localized modes in one-dimensional monatomic lattices with cubic and quartic anharmonicity. <i>Physical Review B</i> , 1993, 47, 14206-14211.	1.1	137
16	Generation of intrinsic vibrational gap modes in three-dimensional ionic crystals. <i>Physical Review B</i> , 1997, 55, 5755-5758.	1.1	111
17	Intrinsic localized modes observed in the high-temperature vibrational spectrum of NaI. <i>Physical Review B</i> , 2009, 79, .	1.1	103
18	Absolute Measurement of the Far-Infrared Surface Resistance of Pb. <i>Physical Review B</i> , 1972, 5, 3550-3557.	1.1	94

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19	Isotope Shift of a Low-Lying Lattice Resonant Mode. <i>Physical Review</i> , 1965, 140, A1030-A1032.	2.7	90
20	Far Infrared Spectra of Rare-Earth Iron Garnets. <i>Physical Review</i> , 1963, 129, 1995-2004.	2.7	89
21	Anharmonic gap modes in a perfect one-dimensional diatomic lattice for standard two-body nearest-neighbor potentials. <i>Physical Review B</i> , 1993, 48, 13508-13511.	1.1	88
22	Study of intrinsic localized vibrational modes in micromechanical oscillator arrays. <i>Chaos</i> , 2003, 13, 702-715.	1.0	87
23	Far-Infrared Properties of Lattice Resonant Modes. IV. Paraelectric Impurities. <i>Physical Review B</i> , 1970, 2, 481-509.	1.1	85
24	Far-infrared absorptivity of UPt <sub>3</sub> . <i>Physical Review B</i> , 1988, 38, 5338-5352.	1.1	85
25	Intrinsic localized modes in a monatomic lattice with weakly anharmonic nearest-neighbor force constants. <i>Physical Review B</i> , 1991, 43, 2339-2346.	1.1	81
26	Optical manipulation of intrinsic localized vibrational energy in cantilever arrays. <i>Europhysics Letters</i> , 2004, 66, 318-323.	0.7	81
27	Far-Infrared Absorption by Small Metal Particles. <i>Physical Review Letters</i> , 1984, 52, 1344-1347.	2.9	80
28	Far-Infrared Resonance States in Silver-Activated Potassium Halide Crystals. <i>Physical Review Letters</i> , 1964, 13, 310-312.	2.9	79
29	Proton Tunneling with Millielectronvolt Energies at the Be-H Acceptor Complex in Silicon. <i>Physical Review Letters</i> , 1986, 57, 897-900.	2.9	78
30	Numerical measurements of the shape and dispersion relation for moving one-dimensional anharmonic localized modes. <i>Physical Review B</i> , 1992, 45, 10344-10347.	1.1	78
31	Thermal radiation from metal surfaces. <i>Journal of the Optical Society of America</i> , 1978, 68, 1505.	1.2	77
32	High-Resolution Infrared Study of Hydrogen ( $1\text{\AA}-1$ ) on Tungsten (100). <i>Physical Review Letters</i> , 1980, 44, 944-947.	2.9	76
33	Measurement of the superconducting energy gap in La-Ba-Cu oxide and La-Sr-Cu oxide. <i>Physical Review B</i> , 1987, 35, 5330-5333.	1.1	73
34	Anharmonic gap mode in a one-dimensional diatomic lattice with nearest-neighbor Born-Mayer-Coulomb potentials and its interaction with a mass-defect impurity. <i>Physical Review B</i> , 1994, 50, 9135-9152.	1.1	72
35	Far-infrared composite-medium study of sintered La <sub>2</sub> NiO <sub>4</sub> and La <sub>1.85</sub> Sr <sub>0.15</sub> CuO <sub>4</sub> $\delta$ . <i>Physical Review B</i> , 1987, 36, 5735-5738.	1.1	68
36	Infrared Lattice Absorption by Gap Modes and Resonance Modes in KI. <i>Physical Review</i> , 1965, 138, A272-A275.	2.7	65

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37	Prediction of high-frequency intrinsic localized modes in Ni and Nb. <i>Physical Review B</i> , 2011, 84, .	1.1	65
38	Modulational instability of nonlinear spin waves in easy-axis antiferromagnetic chains. II. Influence of sample shape on intrinsic localized modes and dynamic spin defects. <i>Physical Review B</i> , 2003, 67, .	1.1	64
39	Far infrared magnetic resonance in $\text{FeSiF}_6 \cdot 6\text{H}_2\text{O}$ and $\text{Fe}(\text{SPh})_4$ . <i>Journal of Chemical Physics</i> , 1977, 66, 1819-1825.	1.2	63
40	Generalized Lyddane-Sachs-Teller relation and disordered solids. <i>Physical Review B</i> , 1990, 41, 3455-3459.	1.1	63
41	Intrinsic localized spin-wave resonances in ferromagnetic chains with nearest- and next-nearest-neighbor exchange interactions. <i>Physical Review B</i> , 1997, 56, 5345-5354.	1.1	60
42	A $^3\text{He}$ -Cooled Bolometer for the Far Infrared. <i>Applied Optics</i> , 1969, 8, 2067.	2.1	59
43	Measurement of the longitudinal asymmetry of a charged particle bunch from the coherent synchrotron or transition radiation spectrum. <i>Physical Review E</i> , 1994, 50, R4294-R4297.	0.8	55
44	Far-Infrared Exchange Resonance in Ytterbium Iron Garnet. <i>Physical Review</i> , 1961, 124, 321-325.	2.7	53
45	Spectral selectivity of high-temperature solar absorbers. <i>Applied Optics</i> , 1980, 19, 711.	2.1	51
46	Characteristic Temperature Dependence for Low-Lying Lattice Resonant Modes. <i>Physical Review Letters</i> , 1965, 15, 1020-1023.	2.9	50
47	Self-consistency conditions for the effective-medium approximation in composite materials. <i>Physical Review B</i> , 1991, 44, 5459-5464.	1.1	49
48	Modulational instability of nonlinear spin waves in easy-axis antiferromagnetic chains. <i>Physical Review B</i> , 1998, 57, 3433-3443.	1.1	48
49	Gap Modes due to $\text{Cl}^-$ and $\text{Br}^-$ in KI. <i>Physical Review</i> , 1967, 157, 730-737.	2.7	47
50	Effect of Melting of the Metallic Component on the Anomalous Far-Infrared Absorption of Superconducting Sn Particle Composites. <i>Physical Review Letters</i> , 1985, 54, 1071-1074.	2.9	46
51	Determination of a charged-particle-bunch shape from the coherent far infrared spectrum. <i>Physical Review E</i> , 1994, 50, R3342-R3344.	0.8	46
52	Anharmonic resonant modes and the low-temperature specific heat of glasses. <i>Physical Review B</i> , 1989, 39, 3374-3379.	1.1	45
53	Far Infrared Properties of Lattice Resonant Modes. I. Isotope Shifts. <i>Physical Review</i> , 1968, 168, 1057-1063.	2.7	44
54	Observation of an index-of-refraction-induced change in the Drude parameters of Ag films. <i>Physical Review B</i> , 1984, 30, 4189-4195.	1.1	44

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55	Controlled Switching of Intrinsic Localized Modes in a One-Dimensional Antiferromagnet. <i>Physical Review Letters</i> , 2005, 95, 264101.	2.9	44
56	Far infrared magnetic resonance of deoxyhemoglobin and deoxymyoglobin. <i>Journal of Chemical Physics</i> , 1980, 72, 1569-1582.	1.2	43
57	Intrinsic localized spin-wave modes in antiferromagnetic chains with single-ion easy-axis anisotropy. <i>Physical Review B</i> , 1996, 54, R12665-R12668.	1.1	43
58	Symmetry-breaking dynamical pattern and localization observed in the equilibrium vibrational spectrum of NaI. <i>Scientific Reports</i> , 2011, 1, 4.	1.6	43
59	Temperature Dependence of the Far-Infrared Absorption Spectrum in Amorphous Dielectrics. <i>Physical Review Letters</i> , 1975, 35, 1352-1355.	2.9	42
60	Far-infrared properties of lattice resonant modes. VI. Hydrostatic pressure effects. <i>Physical Review B</i> , 1976, 14, 5422-5434.	1.1	42
61	Generation of Localized Modes in an Electrical Lattice Using Subharmonic Driving. <i>Physical Review Letters</i> , 2012, 108, 084101.	2.9	42
62	Persistent nonphotochemical spectral hole dynamics for an infrared vibrational mode in alkali halide crystals. <i>Physical Review B</i> , 1983, 28, 7244-7259.	1.1	41
63	Free-carrier relaxation dynamics in the normal state of sintered $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ . <i>Physical Review B</i> , 1987, 36, 2357-2360.	1.1	41
64	Stress-Induced Frequency Shift of a Lattice Resonant Mode. <i>Physical Review Letters</i> , 1966, 16, 1103-1105.	2.9	40
65	Thermal Conductivity and Far-Infrared Absorption of $\text{UO}_2$ . <i>Journal of Applied Physics</i> , 1967, 38, 1496-1498.	1.1	40
66	Infrared surface wave interferometry. <i>Applied Physics Letters</i> , 1980, 36, 409-412.	1.5	40
67	Absence of an Isotope Effect in the Two Level Spectrum of Amorphous Ice. <i>Physical Review Letters</i> , 1998, 80, 4209-4212.	2.9	39
68	Traveling and stationary intrinsic localized modes and their spatial control in electrical lattices. <i>Physical Review E</i> , 2010, 81, 046605.	0.8	39
69	Management of localized energy in discrete nonlinear transmission lines. <i>Europhysics Letters</i> , 2007, 80, 30002.	0.7	36
70	Far-Infrared Properties of Lattice Resonant Modes. II. Stress Effects. <i>Physical Review</i> , 1968, 174, 1004-1012.	2.7	35
71	Thermally populated intrinsic localized modes in pure alkali halide crystals. <i>Physical Review B</i> , 2013, 88, .	1.1	35
72	Far-Infrared Properties of Lattice Resonant Modes. III. Temperature Effects. <i>Physical Review B</i> , 1970, 1, 1563-1575.	1.1	33

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73	Far-Infrared Properties of Lattice Resonant Modes. V. Second-Order Stark Effect. Physical Review B, 1971, 3, 1351-1364.	1.1	33
74	Hydrostatic-pressure studies of magnetic modes in the far infrared. Physical Review B, 1974, 10, 1027-1038.	1.1	33
75	Surface electromagnetic wave launching at the edge of a metal film. Applied Physics Letters, 1978, 32, 90-92.	1.5	33
76	Harmonic Series of Cyclotronlike Resonances in Bismuth. Physical Review Letters, 1973, 30, 1041-1043.	2.9	31
77	(C <sub>2</sub> H <sub>5</sub> NH <sub>3</sub> ) <sub>2</sub> CuCl <sub>4</sub> : A Physical System for the Experimental Investigation of Intrinsic Localized Modes. Physical Review Letters, 1998, 81, 1937-1940.	2.9	31
78	Solid-state vibrational laser in KBr:CN <sup>-</sup> . Optics Letters, 1984, 9, 122.	1.7	30
79	Reassessment of millimetre-wave absorption coefficients in interstellar silicate grains. Nature, 1994, 372, 243-245.	13.7	30
80	Far-Infrared Absorption in Superconducting and Normal Lead. Physical Review Letters, 1967, 19, 697-699.	2.9	29
81	Role of the Ytterbium Spins in the Spin Reorientation in YbFeO <sub>3</sub> . Journal of Applied Physics, 1970, 41, 1197-1198.	1.1	29
82	Infrared and optical properties of Na, K, and Rb metals. Physical Review B, 1980, 22, 1600-1611.	1.1	29
83	Surface-reconstruction-induced changes in free-carrier scattering from the W(100) surface: An infrared surface-electromagnetic-wave study. Physical Review B, 1986, 34, 692-703.	1.1	29
84	Comparison of the electrodynamic properties of sintered YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> and La <sub>1.85</sub> Sr <sub>0.15</sub> CuO <sub>4-<math>\delta</math></sub> . Physical Review B, 1987, 36, 8866-8869.	1.1	29
85	Generalization of the Lyddane-Sachs-Teller relation to disordered dielectrics. Physical Review Letters, 1989, 63, 1800-1803.	2.9	29
86	Nanoscale intrinsic localized modes in an antiferromagnetic lattice. Journal of Applied Physics, 2001, 89, 6707-6709.	1.1	29
87	Infrared study of hydrogen chemisorbed on W(100) by surface-electromagnetic-wave spectroscopy. Physical Review B, 1981, 24, 2921-2934.	1.1	28
88	ir surface-plasmon attenuation coefficients for Ge-coated Ag and Au metals. Physical Review B, 1982, 26, 6444-6454.	1.1	28
89	Infrared spectroscopic study of the dressed rotations of CN <sup>-</sup> isotopes in alkali halide crystals. Physical Review B, 1991, 43, 43-61.	1.1	27
90	Driven Localized Excitations in the Acoustic Spectrum of Small Nonlinear Macroscopic and Microscopic Lattices. Physical Review Letters, 2007, 98, 214101.	2.9	27

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91	Driven intrinsic localized modes in a coupled pendulum array. Journal Physics D: Applied Physics, 2008, 41, 015503.	1.3	27
92	Far-infrared Ferromagnetic Resonance in Dysprosium and Terbium Metals. Journal of Applied Physics, 1969, 40, 1563-1564.	1.1	26
93	Magnetic-field-induced far-infrared transmission in bismuth. Journal of Low Temperature Physics, 1973, 13, 617-669.	0.6	26
94	Persistent infrared spectral hole burning of Tb <sup>3+</sup> in the glasslike mixed crystal Ba <sub>1-x</sub> La <sub>x</sub> TbF <sub>2+x</sub> y. Journal of the Optical Society of America B: Optical Physics, 1992, 9, 794.	0.9	26
95	A Double Pass Spectrometer for the Far Infrared. Applied Optics, 1969, 8, 309.	2.1	25
96	Magnetic Resonance in Metals in the Far Infrared. Journal of Applied Physics, 1970, 41, 980-987.	1.1	25
97	Far-infrared absorption by small silver particles in gelatin. Physical Review B, 1990, 41, 7421-7439.	1.1	25
98	Infrared study of (H,Be)-, (D,Be)-, and (Li,Be)-acceptor complexes in silicon. Physical Review B, 1990, 41, 5881-5892.	1.1	25
99	Spectral Function of Composites from Reflectivity Measurements. Physical Review Letters, 2000, 84, 1978-1981.	2.9	25
100	Influence of sample shape on the production of intrinsic localized modes in an antiferromagnetic lattice. Journal of Applied Physics, 2002, 91, 8676.	1.1	25
101	Far-infrared measurement of $\mu \pm 2$ (f%) F (f%) in superconducting La <sub>1.84</sub> Sr <sub>0.16</sub> CuO <sub>4</sub> y. Physical Review B, 1987, 35, 8829-8832.	1.1	24
102	Effects of network topology on low-temperature relaxation in Ge-As-Se glasses, as probed by persistent infrared spectral-hole burning. Physical Review Letters, 1990, 65, 1792-1795.	2.9	24
103	Far-infrared sphere resonance in isolated superconducting particles. Physical Review B, 1990, 41, 307-326.	1.1	24
104	The far-infrared properties of polyamino acids. Biopolymers, 1974, 13, 2593-2614.	1.2	23
105	Comment on Gor'kov and Eliashberg's theory for far-infrared absorption by small metallic particles. Physical Review B, 1980, 22, 2123-2126.	1.1	23
106	Anharmonic vibrational relaxation dynamics for a molecular impurity mode in alkali halide crystals. Physical Review B, 1984, 29, 6694-6708.	1.1	23
107	Two-Level Systems and Excited-State Transitions in Fluorite Mixed Crystals and Silica Glass. Physical Review Letters, 1994, 73, 3105-3108.	2.9	23
108	Role of Network Topology on the Vibrational Lifetime of an H <sub>2</sub> O Molecule in the Ge-As-Se Glass Series. Physical Review Letters, 1996, 76, 932-935.	2.9	23

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109	Observation of a Far-Infrared Sphere Resonance in Superconducting $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ Particles. <i>Physical Review Letters</i> , 1989, 62, 599-602.	2.9	22
110	Far-infrared transmission of superconducting $\text{KxC}_6\text{O}$ films. <i>Physical Review B</i> , 1992, 45, 10165-10168.	1.1	22
111	Comment on "Lattice phonon modes in solid $\text{C}_6\text{O}$ studied by far-infrared spectroscopy". <i>Physical Review Letters</i> , 1993, 70, 3175-3175.	2.9	22
112	Far-infrared properties of $\text{C}_6\text{O}$ and $\text{C}_7\text{O}$ compacts. <i>Journal of Chemical Physics</i> , 1994, 101, 7283-7289.	1.2	22
113	Phase problem associated with the determination of the longitudinal shape of a charged particle bunch from its coherent far-ir spectrum. <i>Physical Review E</i> , 1995, 52, 4576-4579.	0.8	22
114	Far-Infrared Measurement of the Energy Gap of $\text{V}_3\text{Si}$ . <i>Physical Review B</i> , 1973, 8, 1978-1981.	1.1	21
115	Plexiglas: a Convenient Transmission Filter for the FIR Spectral Region. <i>Applied Optics</i> , 1975, 14, 1054.	2.1	21
116	Continuous-wave operation of the $\text{KBr:CN}^{\text{II}}$ solid-state vibration laser in the $5\frac{1}{4}\mu\text{m}$ region. <i>Optics Letters</i> , 1985, 10, 125.	1.7	21
117	Experimental Observation of the Bifurcation Dynamics of an Intrinsic Localized Mode in a Driven 1D Nonlinear Lattice. <i>Physical Review Letters</i> , 2011, 107, 234101.	2.9	21
118	Near Instability of Lattice Resonant Modes. <i>Physical Review Letters</i> , 1967, 19, 111-113.	2.9	20
119	Hydrostatic-Pressure Study of Antiferromagnetic Resonance in $\text{FeCl}_2$ . <i>Physical Review B</i> , 1973, 7, 1081-1083.	1.1	20
120	Persistent Holes in the Spectra of Localized Vibrational Modes in Crystalline Solids. <i>Physical Review Letters</i> , 1982, 49, 398-401.	2.9	20
121	Intrinsic localized spin wave modes in easy-axis antiferromagnetic chains. <i>Journal of Applied Physics</i> , 1997, 81, 3972-3974.	1.1	20
122	Far-Infrared Absorption of $\text{PbSe}$ Nanorods. <i>Nano Letters</i> , 2011, 11, 2786-2790.	4.5	20
123	Observation of Two Elastic Configurations at a Point Defect. <i>Physical Review Letters</i> , 1984, 52, 1234-1237.	2.9	19
124	Observation of persistent ir hole burning in the vibrational spectrum of $\text{CN}^{\text{II}}$ in $\text{KBr}$ . <i>Physical Review B</i> , 1986, 34, 7307-7317.	1.1	19
125	Counting discrete emission steps from intrinsic localized modes in a quasi-one-dimensional antiferromagnetic lattice. <i>Physical Review B</i> , 2005, 71, .	1.1	19
126	Infrared Antiferromagnetic Resonance in $\text{MnO}$ . <i>Journal of Applied Physics</i> , 1961, 32, S65-S66.	1.1	18



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127	Low-temperature dielectric properties of K <sup>+</sup> Ag <sup>+</sup> : Additional evidence for the coexistence of two elastic configurations. <i>Physical Review B</i> , 1984, 30, 4853-4855.	1.1	18
128	Linear local modes induced by intrinsic localized modes in a monatomic chain. <i>Physical Review B</i> , 2006, 73, .	1.1	18
129	Anharmonic Relaxation Times of Molecular Vibrational Modes in Alkali Halide Crystals. <i>Physical Review Letters</i> , 1981, 47, 1082-1085.	2.9	17
130	Hemispherical emissivity of V, Nb, Ta, Mo, and W from 300 to 1000 K. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1987, 4, 351.	0.9	17
131	Theoretical and experimental study of a quantized lattice configuration in a nearly unstable defect system. <i>Physical Review Letters</i> , 1989, 63, 1837-1840.	2.9	17
132	Identification of an intrinsic localized spin-wave resonance in antiferromagnetic chains with single-ion easy-plane anisotropy. <i>Physical Review B</i> , 1997, 55, R11937-R11940.	1.1	17
133	Enhanced far-infrared absorption in CePd <sub>3</sub> and YbCu <sub>2</sub> Si <sub>2</sub> . III. Comparison of a resonant-scattering model with experiment. <i>Physical Review B</i> , 1984, 30, 3068-3072.	1.1	16
134	Two-dimensional electron gas in In <sub>0.53</sub> Ga <sub>0.47</sub> As/InP heterojunctions grown by atmospheric pressure metalorganic chemical-vapor deposition. <i>Journal of Applied Physics</i> , 1985, 58, 3145-3149.	1.1	16
135	Possibility of observing quantum size effects in the electromagnetic absorption spectrum of small metal particles. <i>Physical Review B</i> , 1985, 32, 1951-1954.	1.1	16
136	Far-infrared investigation of the generalized Lyddane-Sachs-Teller relation using ZnS-diamond composites. <i>Physical Review B</i> , 1990, 42, 5469-5475.	1.1	16
137	Thermal emissivity of selective surfaces—New lower limits. <i>Applied Physics Letters</i> , 1979, 35, 374-376.	1.5	15
138	Total hemispherical emissivity of W(100). <i>Journal of the Optical Society of America</i> , 1980, 70, 443.	1.2	15
139	Visualizing intrinsic localized modes with a nonlinear micromechanical array. <i>Low Temperature Physics</i> , 2008, 34, 543-548.	0.2	15
140	Spectral selectivity of composite materials. <i>Topics in Applied Physics</i> , 1979, , 57-114.	0.4	15
141	Enhanced far-infrared absorption in CePd <sub>3</sub> and YbCu <sub>2</sub> Si <sub>2</sub> . Experiment. <i>Physical Review B</i> , 1984, 29, 609-621.	1.1	14
142	A Compact 3He Cryostat Using Activated Charcoal. <i>Review of Scientific Instruments</i> , 1971, 42, 1265-1266.	0.6	13
143	Strain dependence of defect-induced tunneling states in KCl:Li <sup>+</sup> . <i>Physical Review B</i> , 1979, 19, 2343-2351.	1.1	13
144	Infrared hole-burning spectroscopy of matrix-isolated ReO <sub>4</sub> <sup>-</sup> molecules. <i>Optics Letters</i> , 1981, 6, 431.	1.7	13

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145	Total Number Density of Raman-Active Two Level Systems in Fluorite Mixed Crystals and the Law of Mass Action. <i>Physical Review Letters</i> , 1999, 83, 4077-4080.	2.9	13
146	Switching dynamics and linear response spectra of a driven one-dimensional nonlinear lattice containing an intrinsic localized mode. <i>Physical Review E</i> , 2013, 87, 012920.	0.8	13
147	Inductive intrinsic localized modes in a one-dimensional nonlinear electric transmission line. <i>Physical Review E</i> , 2016, 94, 012223.	0.8	13
148	Infrared surface-wave interferometry on W(100). <i>Optics Letters</i> , 1986, 11, 782.	1.7	12
149	Optical reflectivity studies of polycrystalline $\text{La}_4\text{BaCu}_5\text{O}_{13}$ and $\text{La}_2\text{SrCu}_2\text{O}_6+\delta$ . <i>Physical Review B</i> , 1988, 38, 5006-5009.	1.1	12
150	Prediction and observation of pocket vibrational modes in crystals. <i>Physical Review Letters</i> , 1991, 67, 871-874.	2.9	12
151	Experimental study of Raman-active two-level systems and the boson peak in $\text{LaF}_3$ -doped fluorite mixed crystals. <i>Physical Review B</i> , 2002, 66, .	1.1	12
152	ir study of molecules adsorbed on metal surfaces by surface electromagnetic wave spectroscopy. <i>Journal of Vacuum Science and Technology</i> , 1978, 15, 638-641.	1.9	11
153	A new saturable absorber for the $\text{CO}_2$ laser using doped KCl. <i>Applied Physics Letters</i> , 1978, 33, 705-707.	1.5	11
154	Optical Structure near 20 meV in Valence-Fluctuation Compounds. <i>Physical Review Letters</i> , 1981, 47, 1018-1022.	2.9	11
155	Ultrasonic modulation of persistent spectral holes in crystals. <i>Applied Physics Letters</i> , 1983, 43, 437-439.	1.5	11
156	Dipole-dipole-interaction-induced line narrowing in thin-film vibrational-mode spectra. <i>Physical Review B</i> , 1985, 32, 2721-2723.	1.1	11
157	Far-infrared difference-band absorption in potassium iodide. <i>Physical Review B</i> , 1989, 39, 10352-10355.	1.1	11
158	Stress dependence of the pocket gap modes in $\text{Kl:Ag}^+$ . <i>Physical Review B</i> , 1992, 46, 11507-11519.	1.1	11
159	Intrinsic resonant modes for a one-dimensional lattice with a soft optic mode. <i>Physical Review B</i> , 1998, 57, 3402-3405.	1.1	11
160	Intrinsic localized modes in a nonlinear electrical lattice with saturable nonlinearity. <i>Europhysics Letters</i> , 2013, 103, 30006.	0.7	11
161	Supertransmission channel for an intrinsic localized mode in a one-dimensional nonlinear physical lattice. <i>Chaos</i> , 2015, 25, 103122.	1.0	11
162	Far-Infrared Spectra of Holmium, Samarium, and Gadolinium Iron Garnets. <i>Journal of Applied Physics</i> , 1963, 34, 1235-1236.	1.1	10

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