

Albert Sievers

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5379382/albert-sievers-publications-by-citations.pdf>

Version: 2024-04-18

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

249
papers

9,193
citations

45
h-index

87
g-index

252
ext. papers

9,583
ext. citations

4.5
avg, IF

5.7
L-index

#	Paper	IF	Citations
249	Intrinsic localized modes in anharmonic crystals. <i>Physical Review Letters</i> , 1988 , 61, 970-973	7.4	1022
248	Optical studies of the vibrational properties of disordered solids. <i>Reviews of Modern Physics</i> , 1975 , 47, S1-S179	40.5	647
247	Observation of locked intrinsic localized vibrational modes in a micromechanical oscillator array. <i>Physical Review Letters</i> , 2003 , 90, 044102	7.4	255
246	Colloquium: Nonlinear energy localization and its manipulation in micromechanical oscillator arrays. <i>Reviews of Modern Physics</i> , 2006 , 78, 137-157	40.5	252
245	Experimental Generation and Observation of Intrinsic Localized Spin Wave Modes in an Antiferromagnet. <i>Physical Review Letters</i> , 1999 , 83, 223-226	7.4	222
244	NONLINEAR OPTICAL PROPERTIES OF PERIODIC LAMINAR STRUCTURES. <i>Applied Physics Letters</i> , 1970 , 17, 483-486	3.4	213
243	Intrinsic Localized Vibrational Modes in Anharmonic Crystals Stationary Modes. <i>Progress of Theoretical Physics Supplement</i> , 1988 , 94, 242-269		206
242	Far-infrared absorption in small metallic particles. <i>Physical Review B</i> , 1975 , 11, 1330-1341	3.3	184
241	Observation of coherent transition radiation. <i>Physical Review Letters</i> , 1991 , 67, 2962-2965	7.4	159
240	Far-Infrared Absorption in Ultrafine Al Particles. <i>Physical Review Letters</i> , 1976 , 37, 625-629	7.4	149
239	Far Infrared Antiferromagnetic Resonance in MnO and NiO. <i>Physical Review</i> , 1963 , 129, 1566-1571		145
238	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	3.3	136
237	Observation of an energy- and temperature-dependent carrier mass for mixed-valence CePd ₃ . <i>Physical Review Letters</i> , 1986 , 57, 1951-1954	7.4	136
236	Direct observation of the discrete character of intrinsic localized modes in an antiferromagnet. <i>Nature</i> , 2004 , 432, 486-8	50.4	131
235	Laboratory Results on Millimeter-Wave Absorption in Silicate Grain Materials at Cryogenic Temperatures. <i>Astrophysical Journal</i> , 1996 , 462, 1026	4.7	131
234	Generation of intrinsic vibrational gap modes in three-dimensional ionic crystals. <i>Physical Review B</i> , 1997 , 55, 5755-5758	3.3	103
233	Intrinsic localized modes observed in the high-temperature vibrational spectrum of NaI. <i>Physical Review B</i> , 2009 , 79,	3.3	89

232	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	3-3	87
231	Far Infrared Spectra of Rare-Earth Iron Garnets. <i>Physical Review</i> , 1963 , 129, 1995-2004		85
230	Isotope Shift of a Low-Lying Lattice Resonant Mode. <i>Physical Review</i> , 1965 , 140, A1030-A1032		85
229	Far-Infrared Properties of Lattice Resonant Modes. IV. Paraelectric Impurities. <i>Physical Review B</i> , 1970 , 2, 481-509	3-3	84
228	Absolute Measurement of the Far-Infrared Surface Resistance of Pb. <i>Physical Review B</i> , 1972 , 5, 3550-3557		84
227	Intrinsic localized modes in a monatomic lattice with weakly anharmonic nearest-neighbor force constants. <i>Physical Review B</i> , 1991 , 43, 2339-2346	3-3	80
226	Far-Infrared Resonance States in Silver-Activated Potassium Halide Crystals. <i>Physical Review Letters</i> , 1964 , 13, 310-312	7-4	79
225	Far-infrared absorptivity of UPt ₃ . <i>Physical Review B</i> , 1988 , 38, 5338-5352	3-3	77
224	Far-Infrared Absorption by Small Metal Particles. <i>Physical Review Letters</i> , 1984 , 52, 1344-1347	7-4	77
223	Study of intrinsic localized vibrational modes in micromechanical oscillator arrays. <i>Chaos</i> , 2003 , 13, 702-713		76
222	Numerical measurements of the shape and dispersion relation for moving one-dimensional anharmonic localized modes. <i>Physical Review B</i> , 1992 , 45, 10344-10347	3-3	76
221	Proton tunneling with millielectronvolt energies at the Be-H acceptor complex in silicon. <i>Physical Review Letters</i> , 1986 , 57, 897-900	7-4	73
220	High-Resolution Infrared Study of Hydrogen (11) on Tungsten (100). <i>Physical Review Letters</i> , 1980 , 44, 944-947	7-4	73
219	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	3-3	71
218	Thermal radiation from metal surfaces. <i>Journal of the Optical Society of America</i> , 1978 , 68, 1505		71
217	Optical manipulation of intrinsic localized vibrational energy in cantilever arrays. <i>Europhysics Letters</i> , 2004 , 66, 318-323	1-6	69
216	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	3-3	69
215	Far-infrared composite-medium study of sintered La ₂ NiO. <i>Physical Review B</i> , 1987 , 36, 5735-5738	3-3	68

214	Infrared Lattice Absorption by Gap Modes and Resonance Modes in KI. <i>Physical Review</i> , 1965 , 138, A272-A275	64
213	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	3-3 57
212	Far infrared magnetic resonance in FeSiF ₆ ·6H ₂ O and Fe(SPh) ₄ . <i>Journal of Chemical Physics</i> , 1977 , 66, 1819-1825	3-9 57
211	A (3)He-cooled bolometer for the far infrared. <i>Applied Optics</i> , 1969 , 8, 2067-71	1-7 57
210	Prediction of high-frequency intrinsic localized modes in Ni and Nb. <i>Physical Review B</i> , 2011 , 84,	3-3 55
209	Generalized Lyddane-Sachs-Teller relation and disordered solids. <i>Physical Review B</i> , 1990 , 41, 3455-3459	3-3 55
208	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	2-4 52
207	Far-Infrared Exchange Resonance in Ytterbium Iron Garnet. <i>Physical Review</i> , 1961 , 124, 321-325	50
206	Characteristic Temperature Dependence for Low-Lying Lattice Resonant Modes. <i>Physical Review Letters</i> , 1965 , 15, 1020-1023	7-4 48
205	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,	3-3 45
204	Modulational instability of nonlinear spin waves in easy-axis antiferromagnetic chains. <i>Physical Review B</i> , 1998 , 57, 3433-3443	3-3 45
203	Self-consistency conditions for the effective-medium approximation in composite materials. <i>Physical Review B</i> , 1991 , 44, 5459-5464	3-3 45
202	Gap Modes due to Cl ⁻ and Br ⁻ in KI. <i>Physical Review</i> , 1967 , 157, 730-737	45
201	Determination of a charged-particle-bunch shape from the coherent far infrared spectrum. <i>Physical Review E</i> , 1994 , 50, R3342-R3344	2-4 44
200	Anharmonic resonant modes and the low-temperature specific heat of glasses. <i>Physical Review B</i> , 1989 , 39, 3374-3379	3-3 44
199	Spectral selectivity of high-temperature solar absorbers. <i>Applied Optics</i> , 1980 , 19, 711-28	1-7 43
198	Observation of an index-of-refraction-induced change in the Drude parameters of Ag films. <i>Physical Review B</i> , 1984 , 30, 4189-4195	3-3 42
197	Intrinsic localized spin-wave modes in antiferromagnetic chains with single-ion easy-axis anisotropy. <i>Physical Review B</i> , 1996 , 54, R12665-R12668	3-3 41

196	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	7.4	41
195	Far infrared magnetic resonance of deoxyhemoglobin and deoxymyoglobin. <i>Journal of Chemical Physics</i> , 1980 , 72, 1569-1582	3.9	41
194	Temperature Dependence of the Far-Infrared Absorption Spectrum in Amorphous Dielectrics. <i>Physical Review Letters</i> , 1975 , 35, 1352-1355	7.4	41
193	Far Infrared Properties of Lattice Resonant Modes. I. Isotope Shifts. <i>Physical Review</i> , 1968 , 168, 1057-1063		41
192	Free-carrier relaxation dynamics in the normal state of sintered YBa ₂ Cu ₃ O _{7-y} . <i>Physical Review B</i> , 1987 , 36, 2357-2360	3.3	40
191	Persistent nonphotochemical spectral hole dynamics for an infrared vibrational mode in alkali halide crystals. <i>Physical Review B</i> , 1983 , 28, 7244-7259	3.3	40
190	Far-infrared properties of lattice resonant modes. VI. Hydrostatic pressure effects. <i>Physical Review B</i> , 1976 , 14, 5422-5434	3.3	40
189	Stress-Induced Frequency Shift of a Lattice Resonant Mode. <i>Physical Review Letters</i> , 1966 , 16, 1103-1105	7.4	40
188	Thermal Conductivity and Far-Infrared Absorption of UO ₂ . <i>Journal of Applied Physics</i> , 1967 , 38, 1496-1498	3.5	39
187	Absence of an Isotope Effect in the Two Level Spectrum of Amorphous Ice. <i>Physical Review Letters</i> , 1998 , 80, 4209-4212	7.4	37
186	Symmetry-breaking dynamical pattern and localization observed in the equilibrium vibrational spectrum of NaI. <i>Scientific Reports</i> , 2011 , 1, 4	4.9	35
185	Generation of localized modes in an electrical lattice using subharmonic driving. <i>Physical Review Letters</i> , 2012 , 108, 084101	7.4	35
184	Infrared surface wave interferometry. <i>Applied Physics Letters</i> , 1980 , 36, 409-412	3.4	35
183	Far-Infrared Properties of Lattice Resonant Modes. II. Stress Effects. <i>Physical Review</i> , 1968 , 174, 1004-1012		35
182	Far-Infrared Properties of Lattice Resonant Modes. V. Second-Order Stark Effect. <i>Physical Review B</i> , 1971 , 3, 1351-1364	3.3	33
181	Hydrostatic-pressure studies of magnetic modes in the far infrared. <i>Physical Review B</i> , 1974 , 10, 1027-1033	3.8	33
180	Traveling and stationary intrinsic localized modes and their spatial control in electrical lattices. <i>Physical Review E</i> , 2010 , 81, 046605	2.4	32
179	Controlled switching of intrinsic localized modes in a one-dimensional antiferromagnet. <i>Physical Review Letters</i> , 2005 , 95, 264101	7.4	32

178	Management of localized energy in discrete nonlinear transmission lines. <i>Europhysics Letters</i> , 2007 , 80, 30002	1.6	31
177	(C ₂ H ₅ NH ₃) ₂ CuCl ₄ : A Physical System for the Experimental Investigation of Intrinsic Localized Modes. <i>Physical Review Letters</i> , 1998 , 81, 1937-1940	7.4	31
176	Surface electromagnetic wave launching at the edge of a metal film. <i>Applied Physics Letters</i> , 1978 , 32, 90-92	3.4	31
175	Far-Infrared Properties of Lattice Resonant Modes. III. Temperature Effects. <i>Physical Review B</i> , 1970 , 1, 1563-1575	3.3	31
174	Surface-reconstruction-induced changes in free-carrier scattering from the W(100) surface: An infrared surface-electromagnetic-wave study. <i>Physical Review B</i> , 1986 , 34, 692-703	3.3	29
173	Comparison of the electrodynamic properties of sintered YBa ₂ Cu ₃ O _{7-y} and La _{1.85} Sr _{0.15} CuO _{4-y} . <i>Physical Review B</i> , 1987 , 36, 8866-8869	3.3	29
172	Solid-state vibrational laser-KBr:CN(-). <i>Optics Letters</i> , 1984 , 9, 122-4	3	29
171	Thermally populated intrinsic localized modes in pure alkali halide crystals. <i>Physical Review B</i> , 2013 , 88,	3.3	28
170	Reassessment of millimetre-wave absorption coefficients in interstellar silicate grains. <i>Nature</i> , 1994 , 372, 243-245	50.4	28
169	Generalization of the Lyddane-Sachs-Teller relation to disordered dielectrics. <i>Physical Review Letters</i> , 1989 , 63, 1800-1803	7.4	28
168	Infrared and optical properties of Na, K, and Rb metals. <i>Physical Review B</i> , 1980 , 22, 1600-1611	3.3	28
167	Far-Infrared Absorption in Superconducting and Normal Lead. <i>Physical Review Letters</i> , 1967 , 19, 697-699	7.4	28
166	Nanoscale intrinsic localized modes in an antiferromagnetic lattice. <i>Journal of Applied Physics</i> , 2001 , 89, 6707-6709	2.5	27
165	Infrared study of hydrogen chemisorbed on W(100) by surface-electromagnetic-wave spectroscopy. <i>Physical Review B</i> , 1981 , 24, 2921-2934	3.3	26
164	Far-Infrared Ferromagnetic Resonance in Dysprosium and Terbium Metals. <i>Journal of Applied Physics</i> , 1969 , 40, 1563-1564	2.5	26
163	ir surface-plasmon attenuation coefficients for Ge-coated Ag and Au metals. <i>Physical Review B</i> , 1982 , 26, 6444-6454	3.3	25
162	A double pass spectrometer for the far infrared. <i>Applied Optics</i> , 1969 , 8, 309-14	1.7	25
161	Magnetic-field-induced far-infrared transmission in bismuth. <i>Journal of Low Temperature Physics</i> , 1973 , 13, 617-669	1.3	25

160	Harmonic Series of Cyclotronlike Resonances in Bismuth. <i>Physical Review Letters</i> , 1973 , 30, 1041-1043	7.4	25
159	Persistent infrared spectral hole burning of Tb ³⁺ in the glasslike mixed crystal Ba _{1-x} La _x Tb _y F _{2+x+y} . <i>Journal of the Optical Society of America B: Optical Physics</i> , 1992 , 9, 794	1.7	24
158	Far-infrared absorption by small silver particles in gelatin. <i>Physical Review B</i> , 1990 , 41, 7421-7439	3.3	24
157	Magnetic Resonance in Metals in the Far Infrared. <i>Journal of Applied Physics</i> , 1970 , 41, 980-987	2.5	24
156	Driven localized excitations in the acoustic spectrum of small nonlinear macroscopic and microscopic lattices. <i>Physical Review Letters</i> , 2007 , 98, 214101	7.4	23
155	Influence of sample shape on the production of intrinsic localized modes in an antiferromagnetic lattice. <i>Journal of Applied Physics</i> , 2002 , 91, 8676	2.5	23
154	Two-level systems and excited-state transitions in fluorite mixed crystals and silica glass. <i>Physical Review Letters</i> , 1994 , 73, 3105-3108	7.4	23
153	Far-infrared sphere resonance in isolated superconducting particles. <i>Physical Review B</i> , 1990 , 41, 307-326	3.3	23
152	Comment on Gor'kov and Eliashberg theory for far-infrared absorption by small metallic particles. <i>Physical Review B</i> , 1980 , 22, 2123-2126	3.3	23
151	Comment on "Lattice phonon modes in solid C60 studied by far-infrared spectroscopy". <i>Physical Review Letters</i> , 1993 , 70, 3175	7.4	22
150	Far-infrared properties of C60 and C70 compacts. <i>Journal of Chemical Physics</i> , 1994 , 101, 7283-7289	3.9	22
149	Infrared spectroscopic study of the dressed rotations of CN ⁻ isotopes in alkali halide crystals. <i>Physical Review B</i> , 1991 , 43, 43-61	3.3	22
148	Effects of network topology on low-temperature relaxation in Ge-As-Se glasses, as probed by persistent infrared spectral-hole burning. <i>Physical Review Letters</i> , 1990 , 65, 1792-1795	7.4	22
147	Far-infrared measurement of $\alpha^2(\omega)F(\omega)$ in superconducting La _{1.84} Sr. <i>Physical Review B</i> , 1987 , 35, 8829-8832	3.3	22
146	Anharmonic vibrational relaxation dynamics for a molecular impurity mode in alkali halide crystals. <i>Physical Review B</i> , 1984 , 29, 6694-6708	3.3	22
145	Role of the Ytterbium Spins in the Spin Reorientation in YbFeO ₃ . <i>Journal of Applied Physics</i> , 1970 , 41, 1197-1198	2.5	22
144	Spectral function of composites from reflectivity measurements. <i>Physical Review Letters</i> , 2000 , 84, 1978-81	7.4	21
143	Far-infrared transmission of superconducting KxC60 films. <i>Physical Review B</i> , 1992 , 45, 10165-10168	3.3	21

142	Infrared study of (H,Be)-, (D,Be)-, and (Li,Be)-acceptor complexes in silicon. <i>Physical Review B</i> , 1990 , 41, 5881-5892	3.3	21
141	Far-Infrared Measurement of the Energy Gap of V3Si. <i>Physical Review B</i> , 1973 , 8, 1978-1981	3.3	21
140	Driven intrinsic localized modes in a coupled pendulum array. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 015503	3	20
139	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	2.4	20
138	Observation of a far-infrared sphere resonance in superconducting La _{2-x} Sr _x CuO _{4-y} particles. <i>Physical Review Letters</i> , 1989 , 62, 599-602	7.4	20
137	Plexiglas: a Convenient Transmission Filter for the FIR Spectral Region. <i>Applied Optics</i> , 1975 , 14, 1054-5	1.7	20
136	Near Instability of Lattice Resonant Modes. <i>Physical Review Letters</i> , 1967 , 19, 111-113	7.4	20
135	Intrinsic localized spin wave modes in easy-axis antiferromagnetic chains. <i>Journal of Applied Physics</i> , 1997 , 81, 3972-3974	2.5	19
134	Role of network topology on the vibrational lifetime of an H ₂ O molecule in the Ge-As-Se glass series. <i>Physical Review Letters</i> , 1996 , 76, 932-935	7.4	19
133	Observation of Two Elastic Configurations at a Point Defect. <i>Physical Review Letters</i> , 1984 , 52, 1234-1237	7.4	19
132	Hydrostatic-Pressure Study of Antiferromagnetic Resonance in FeCl ₂ . <i>Physical Review B</i> , 1973 , 7, 1081-1083	9.3	19
131	Far-infrared absorption of PbSe nanorods. <i>Nano Letters</i> , 2011 , 11, 2786-90	11.5	18
130	Counting discrete emission steps from intrinsic localized modes in a quasi-one-dimensional antiferromagnetic lattice. <i>Physical Review B</i> , 2005 , 71,	3.3	18
129	Low-temperature dielectric properties of KI:Ag ⁺ : Additional evidence for the coexistence of two elastic configurations. <i>Physical Review B</i> , 1984 , 30, 4853-4855	3.3	18
128	Persistent Holes in the Spectra of Localized Vibrational Modes in Crystalline Solids. <i>Physical Review Letters</i> , 1982 , 49, 398-401	7.4	18
127	The far-infrared properties of polyamino acids. <i>Biopolymers</i> , 1974 , 13, 2593-2614	2.2	18
126	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	3.3	17
125	Theoretical and experimental study of a quantized lattice configuration in a nearly unstable defect system. <i>Physical Review Letters</i> , 1989 , 63, 1837-1840	7.4	17

124	Observation of persistent ir hole burning in the vibrational spectrum of CN- in KBr. <i>Physical Review B</i> , 1986 , 34, 7307-7317	3.3	17
123	Infrared Antiferromagnetic Resonance in MnO. <i>Journal of Applied Physics</i> , 1961 , 32, S65-S66	2.5	17
122	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	7.4	16
121	Linear local modes induced by intrinsic localized modes in a monatomic chain. <i>Physical Review B</i> , 2006 , 73,	3.3	16
120	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	1.7	16
119	Enhanced far-infrared absorption in CePd ₃ and YbCu ₂ Si ₂ . III. Comparison of a resonant-scattering model with experiment. <i>Physical Review B</i> , 1984 , 30, 3068-3072	3.3	16
118	Continuous-wave operation of the KBr:CN(-) solid-state vibration laser in the 5-microm region. <i>Optics Letters</i> , 1985 , 10, 125-7	3	16
117	Far-infrared investigation of the generalized Lyddane-Sachs-Teller relation using ZnS-diamond composites. <i>Physical Review B</i> , 1990 , 42, 5469-5475	3.3	15
116	Two-dimensional electron gas in In _{0.53} Ga _{0.47} As/InP heterojunctions grown by atmospheric pressure metalorganic chemical-vapor deposition. <i>Journal of Applied Physics</i> , 1985 , 58, 3145-3149	2.5	15
115	Possibility of observing quantum size effects in the electromagnetic absorption spectrum of small metal particles. <i>Physical Review B</i> , 1985 , 32, 1951-1954	3.3	15
114	Enhanced far-infrared absorption in CePd ₃ and YbCuSi ₂ . Experiment. <i>Physical Review B</i> , 1984 , 29, 609-621	3.3	14
113	Anharmonic Relaxation Times of Molecular Vibrational Modes in Alkali Halide Crystals. <i>Physical Review Letters</i> , 1981 , 47, 1082-1085	7.4	14
112	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	7.4	13
111	Infrared hole-burning spectroscopy of matrix-isolated ReO ₄ (-)-molecules. <i>Optics Letters</i> , 1981 , 6, 431-33	3	13
110	Strain dependence of defect-induced tunneling states in KCl: Li+. <i>Physical Review B</i> , 1979 , 19, 2343-2351	3.3	13
109	Prediction and observation of pocket vibrational modes in crystals. <i>Physical Review Letters</i> , 1991 , 67, 871-874	7.4	12
108	Optical reflectivity studies of polycrystalline La ₄ BaCu. <i>Physical Review B</i> , 1988 , 38, 5006-5009	3.3	12
107	Spectral selectivity of composite materials. <i>Topics in Applied Physics</i> , 1979 , 57-114	0.5	12

106	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	2.4	11
105	Visualizing intrinsic localized modes with a nonlinear micromechanical array. <i>Low Temperature Physics</i> , 2008 , 34, 543-548	0.7	11
104	Stress dependence of the pocket gap modes in K ₁ :Ag ⁺ . <i>Physical Review B</i> , 1992 , 46, 11507-11519	3.3	11
103	Far-infrared difference-band absorption in potassium iodide. <i>Physical Review B</i> , 1989 , 39, 10352-10355	3.3	11
102	Dipole-dipole-interaction-induced line narrowing in thin-film vibrational-mode spectra. <i>Physical Review B</i> , 1985 , 32, 2721-2723	3.3	11
101	Total hemispherical emissivity of W(100). <i>Journal of the Optical Society of America</i> , 1980 , 70, 443		11
100	Optical Structure near 20 meV in Valence-Fluctuation Compounds. <i>Physical Review Letters</i> , 1981 , 47, 1018-1022	7.4	11
99	A Compact 3He Cryostat Using Activated Charcoal. <i>Review of Scientific Instruments</i> , 1971 , 42, 1265-1266	1.7	11
98	Two-level systems in fluorite mixed crystals - a far-infrared study. <i>Journal of Physics Condensed Matter</i> , 2001 , 13, 2177-2200	1.8	10
97	Experimental study of Raman-active two-level systems and the boson peak in LaF ₃ -doped fluorite mixed crystals. <i>Physical Review B</i> , 2002 , 66,	3.3	10
96	Intrinsic resonant modes for a one-dimensional lattice with a soft optic mode. <i>Physical Review B</i> , 1998 , 57, 3402-3405	3.3	10
95	Pocket vibrational modes in crystals: Theory and experiment. <i>Physical Review B</i> , 1993 , 47, 5731-5747	3.3	10
94	Relaxation of the CN- stretching vibration in silver halides: The role of accepting modes. <i>Physical Review Letters</i> , 1994 , 72, 3903-3906	7.4	10
93	A new saturable absorber for the CO ₂ laser using doped KCl. <i>Applied Physics Letters</i> , 1978 , 33, 705-707	3.4	10
92	Thermal emissivity of selective surfaces: New lower limits. <i>Applied Physics Letters</i> , 1979 , 35, 374-376	3.4	10
91	Second-Order Stark Effect of a Resonant Mode in NaI:C1. <i>Physical Review Letters</i> , 1968 , 21, 1453-1456	7.4	10
90	Far-Infrared Spectra of Holmium, Samarium, and Gadolinium Iron Garnets. <i>Journal of Applied Physics</i> , 1963 , 34, 1235-1236	2.5	10
89	Far-infrared antiferromagnetic resonance in Gd ₂ CuO ₄ . <i>Physical Review B</i> , 1993 , 47, 5300-5314	3.3	9

88	Infrared spectral hole burning of sulfur-hydrogen deep donors in a Si:Ge crystal. <i>Physical Review B</i> , 1987 , 36, 2950-2953	3.3	9
87	Isotope-shift measurement of the NO ₂ - gap mode spectrum in KI with persistent ir spectral holes. <i>Physical Review B</i> , 1988 , 38, 10170-10173	3.3	9
86	Ultrasonic modulation of persistent spectral holes in crystals. <i>Applied Physics Letters</i> , 1983 , 43, 437-439	3.4	9
85	Persistent infrared hole-burning spectroscopy of matrix-isolated CN(-) molecules. <i>Optics Letters</i> , 1986 , 11, 428-30	3	9
84	Comment on the pressure-induced off- to on-center transition of Li ⁺ in KCl. <i>Physical Review B</i> , 1980 , 22, 4074-4078	3.3	9
83	High-resolution spectroscopy of matrix-isolated ReO ₄ -molecules. <i>Optics Letters</i> , 1981 , 6, 254-6	3	9
82	Magnetic field dependence of far-infrared spectra of NdF ₃ . <i>Journal of Applied Physics</i> , 1978 , 49, 676-678	2.5	9
81	Isotope splitting of the Cl ⁻ gap mode in KI. <i>Physical Review B</i> , 1974 , 10, 4495-4497	3.3	9
80	Far-infrared properties of resonant modes and tunnelling states in rare-earth-doped calcium fluoride. <i>Journal of Physics Condensed Matter</i> , 2001 , 13, 2095-2116	1.8	8
79	Optical response of a disordered solid with restricted size. <i>Physical Review B</i> , 1990 , 41, 12562-12567	3.3	8
78	Reply to "Comment on 'Observation of an index-of-refraction-induced change in the Drude parameters of Ag films.Q'". <i>Physical Review B</i> , 1986 , 34, 1322-1324	3.3	8
77	Zeeman splitting of double-donor spin-triplet levels in silicon. <i>Physical Review B</i> , 1988 , 37, 10829-10837	3.3	8
76	Infrared surface-wave interferometry on W(100). <i>Optics Letters</i> , 1986 , 11, 782-4	3	8
75	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		8
74	Localized and Resonance Modes in Ionic Crystals 1968 , 27-45		8
73	Intrinsic localized modes in a nonlinear electrical lattice with saturable nonlinearity. <i>Europhysics Letters</i> , 2013 , 103, 30006	1.6	7
72	Supertransmission channel for an intrinsic localized mode in a one-dimensional nonlinear physical lattice. <i>Chaos</i> , 2015 , 25, 103122	3.3	7
71	Experimental and numerical exploration of intrinsic localized modes in an atomic lattice. <i>Journal of Biological Physics</i> , 2009 , 35, 57-72	1.6	7

70	Optical activity of the boson peak and two-level systems in silica-germania glasses. <i>Physical Review B</i> , 2003 , 67,	3.3	7
69	Spectral signature of low temperature hopping between two impurity-induced elastic configurations. <i>Physical Review Letters</i> , 1996 , 76, 1864-1867	7.4	7
68	Persistent infrared spectral hole burning of the fundamental stretching mode of SH ⁿ in alkali halides. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1992 , 9, 746	1.7	7
67	Mie resonance for spherical metal particles in an anisotropic dielectric. <i>Physical Review B</i> , 1985 , 31, 2427-2429	3.3	7
66	Infrared Absorption by Elementary Excitations of the One-Dimensional XY System. <i>Physical Review Letters</i> , 1978 , 41, 987-990	7.4	7
65	Inductive intrinsic localized modes in a one-dimensional nonlinear electric transmission line. <i>Physical Review E</i> , 2016 , 94, 012223	2.4	7
64	Dynamics of impurity attraction and repulsion of an intrinsic localized mode in a driven 1-D cantilever array. <i>Chaos</i> , 2015 , 25, 013103	3.3	6
63	Experimentally observed evolution between dynamic patterns and intrinsic localized modes in a driven nonlinear electrical cyclic lattice. <i>Europhysics Letters</i> , 2018 , 121, 30003	1.6	6
62	Ultrafast vibrational relaxation of diatomic chalcogen hydrides in alkali halides. <i>Journal of Chemical Physics</i> , 1997 , 107, 2215-2226	3.9	6
61	Far-infrared properties of two-level systems in amorphous ice. <i>Europhysics Letters</i> , 2001 , 53, 40-45	1.6	6
60	Persistent infrared spectral hole burning of NO ₂ ions in potassium halide crystals. I. Principle and satellite hole generation. <i>Journal of Chemical Physics</i> , 1991 , 95, 8816-8842	3.9	6
59	Antiferromagnetic resonance in La ₂ CuO _{4+y} . <i>Physical Review B</i> , 1989 , 40, 5190-5193	3.3	6
58	Comment on "Relaxation-time enhancement in the heavy-fermion system CePd ₃ ". <i>Physical Review Letters</i> , 1989 , 63, 2000	7.4	6
57	Hydrogen adsorption on the beta -N-covered W(100) surface: An infrared study of the W-H stretch. <i>Physical Review B</i> , 1990 , 41, 3406-3425	3.3	6
56	Persistent Antiholes in the Vibrational Spectra of Matrix-Isolated Molecules. <i>Physical Review Letters</i> , 1984 , 52, 303-306	7.4	6
55	CO ₂ laser saturation of internal-vibrational modes of molecular impurities in alkali halides. <i>Optics Letters</i> , 1978 , 3, 112	3	6
54	Exploring the Excitation Spectra of Crystals Using Far Infrared Radiation 1969 , 193-258		6
53	Absorptivity of CePd ₃ from 5 to 400 meV. <i>Journal of Applied Physics</i> , 1985 , 57, 3134-3136	2.5	5

52	Infrared and Optical Properties of Sodium Metal. <i>Physical Review Letters</i> , 1980 , 45, 386-390	7.4	5
51	Observation of high-frequency vibrational gap modes for KI:Cl- and KI:Br-. <i>Europhysics Letters</i> , 1996 , 34, 63-68	1.6	4
50	Comparison of electron bunch asymmetry as measured by energy analysis and coherent transition radiation. <i>Physical Review E</i> , 1997 , 56, R3780-R3783	2.4	4
49	Glasslike two-level systems in minimally disordered mixed crystals. <i>Physical Review Letters</i> , 2006 , 96, 235503	7.4	4
48	Experimental study of Raman-active two-level systems in soda-lime-silica and lead oxide glasses. <i>Physical Review B</i> , 2002 , 65,	3.3	4
47	Electric field dependence of pocket and nonpocket impurity gap modes in KI and the establishment of Ag+ quadrupolar deformability. <i>Physical Review B</i> , 1996 , 53, 6076-6103	3.3	4
46	Electronic Quadrupolar Deformability and Pocket Mode Stark Effect in KI:Ag+. <i>Europhysics Letters</i> , 1994 , 27, 401-406	1.6	4
45	Persistent infrared spectral hole burning of NO ₂ and NO ₃ ions in potassium iodide: II Spectral changes far from the burn frequency. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1992 , 9, 753	1.7	4
44	Vibrational relaxation dynamics of matrix-isolated BH ₂ D ₂ . <i>Journal of Chemical Physics</i> , 1987 , 87, 4371-4375	3.5	4
43	Far-infrared properties of lattice resonant modes. VII. Excited states and paraelectric pairs. <i>Physical Review B</i> , 1985 , 31, 3948-3959	3.3	4
42	Adsorbate-induced change in the total hemispherical emissivity of W(100). <i>Journal of the Optical Society of America</i> , 1982 , 72, 149		4
41	Manipulation of Autoresonant Intrinsic Localized Modes in MEMs Arrays 2011 ,		3
40	Vibrational Pocket Modes: Predictions by the Embedded Crystallite Method and Their Experimental Observation. <i>Physical Review Letters</i> , 1998 , 81, 3687-3690	7.4	3
39	Temperature dependence of persistent infrared spectral holes for SeH molecules in the GeAsSe glass series. <i>Journal of Chemical Physics</i> , 1995 , 102, 3077-3088	3.9	3
38	Sum rules and optical moments for a coarse scattering medium. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1996 , 13, 1036	1.8	3
37	Determination of bunch asymmetry from coherent radiation in the frequency domain. <i>AIP Conference Proceedings</i> , 1996 ,	0	3
36	Universal two-state reorientational dynamics of diatomic hydrides in fcc salt crystals. <i>Physical Review B</i> , 1996 , 54, 9204-9212	3.3	3
35	Vibrational Stark effect for matrix-isolated CN ⁻ molecules. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1992 , 9, 978	1.7	3

34	Investigation of the infrared properties of ZnS:diamond composites. <i>Optics Letters</i> , 1989 , 14, 1260-2	3	3
33	Far Infrared Measurements on Single Crystals, Films and Bulk Sintered High Temperature Superconductors. <i>Materials Research Society Symposia Proceedings</i> , 1987 , 99, 435		3
32	Single-particle collective-mode coupling and the Mie resonance in small metallic particles: Optical properties of colloidal Au in NaCl. <i>Physical Review B</i> , 1981 , 24, 1079-1082	3.3	3
31	Raman scattering of KI:Ag ⁺ : Exploration of a nearly unstable defect-lattice configuration. <i>Radiation Effects and Defects in Solids</i> , 1991 , 119-121, 577-582	0.9	2
30	Determination of the Orientation of NO ₂ in KI by Persistent IR Spectral Hole Burning. <i>Physica Status Solidi (B): Basic Research</i> , 1989 , 151, K97-K100	1.3	2
29	Optical pumping of vibrational overtones in KI:CN- infrared lasers. <i>Optics Letters</i> , 1988 , 13, 631	3	2
28	Ultrasonic attenuation measurements on crystals which display persistent nonphotochemical ir spectral hole burning. <i>Physical Review B</i> , 1985 , 31, 2591-2594	3.3	2
27	Secondary high pressure standard for the far infrared spectral region. <i>Review of Scientific Instruments</i> , 1975 , 46, 222-223	1.7	2
26	Far-Infrared Surface Resistance of Cu:Fe; Dynamics of a Kondo System. <i>Physical Review Letters</i> , 1972 , 29, 1512-1515	7.4	2
25	High Pressure Study of the AFMR in FeF ₂ and the Local Mode in MnF ₂ :Fe ²⁺ 1972 ,		2
24	Lithium-Activated Resonances in Alkali Halide Alloys 1968 , 54-61		2
23	IR SURFACE PLASMON SPECTROSCOPY. <i>Journal De Physique Colloque</i> , 1983 , 44, C10-13-C10-22		2
22	The IR Vibrational Properties of Composite Solids and Particles: The Lyddane-Sachs-Teller Relation Revisited. <i>NATO ASI Series Series B: Physics</i> , 1997 , 227-246		2
21	Intrinsic Localized Modes in Anharmonic Lattices. <i>NATO ASI Series Series B: Physics</i> , 1997 , 247-274		2
20	Intrinsic localized modes and trapped phonons in crystal lattices. <i>Journal of Physics: Conference Series</i> , 2007 , 92, 012142	0.3	1
19	Noh, Kaplan, and Sievers reply. <i>Physical Review Letters</i> , 1989 , 62, 2764	7.4	1
18	Four-wave mixing in the far infrared from free carriers in n-type indium antimonide. <i>Optics Letters</i> , 1991 , 16, 1511-3	3	1
17	Nonlinear ir properties of an LO phonon in thin KReO ₄ films. <i>Physical Review B</i> , 1983 , 28, 4863-4866	3.3	1

16	PERSISTENT INFRARED SPECTRAL HOLE BURNING OF IMPURITY VIBRATIONAL MODES IN CHALCOGENIDE GLASSES 1990 , 27-61		1
15	Logic operations demonstrated with localized vibrations in a micromechanical cantilever array. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2011 , 4, 1287-1298	2.8	1
14	Experimental investigation of supertransmission for an intrinsic localized mode in a cyclic nonlinear transmission line.. <i>Chaos</i> , 2022 , 32, 033118	3.3	0
13	Bifurcation dynamics of a perturbed intrinsic localized mode in a driven micromechanical array. <i>Nonlinear Theory and Its Applications IEICE</i> , 2013 , 4, 225-231	0.6	
12	Backward resonant scattering of synchrotron radiation by F nuclei in crystals \rightarrow pathway to intrinsic local modes. <i>Journal of Physics: Conference Series</i> , 2007 , 92, 012166	0.3	
11	Persistent IR Spectral Hole Burning of the Vibrational Modes of H ₂ O in Chalcogenide Glasses. <i>Molecular Crystals and Liquid Crystals</i> , 1996 , 291, 235-240		
10	Infrared diffuse reflectivity study of high-T _c superconductors. <i>Physical Review B</i> , 1990 , 41, 7213-7216	3.3	
9	Intraband magneto-optical studies of InSb-NiSb eutectic. <i>Journal of Applied Physics</i> , 1981 , 52, 7380-7391	2.5	
8	Driven Intrinsic Localized Modes in Soft Nonlinear Microscopic and Macroscopic Lattices. <i>Springer Proceedings in Complexity</i> , 2021 , 783-796	0.3	
7	Anharmonic Gap Modes in Alkali Halides 2001 , 343-347		
6	Persistent Infrared Spectral Hole-Burning for Impurity Vibrational Modes in Solids. <i>Topics in Current Physics</i> , 1988 , 203-250		
5	Anharmonicity of a Thermally Unstable Lattice Defect. <i>Springer Series in Solid-state Sciences</i> , 1993 , 519-520	0.4	
4	Temperature Dependence of the SeH Vibrational Dephasing Time in Chalcogenide Glasses. <i>Springer Series in Solid-state Sciences</i> , 1993 , 299-300	0.4	
3	Linear response measurement of single cantilevers in their high amplitude, nonlinear state. <i>Nonlinear Theory and Its Applications IEICE</i> , 2017 , 8, 107-117	0.6	
2	Intrinsic Localized Mode in an Electric Lattice Containing MOS-Capacitors. <i>IEICE Proceeding Series</i> , 2014 , 2, 330-333		
1	Bifurcation Dynamics of an Intrinsic Localized Mode in a Driven 1-D Nonlinear Lattice. <i>IEICE Proceeding Series</i> , 2014 , 1, 407-410		