

Albert Sievers

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Experimental investigation of supertransmission for an intrinsic localized mode in a cyclic nonlinear transmission line. <i>Chaos</i> , 2022, 32, 033118.	1.0	7
2	Experimentally observed evolution between dynamic patterns and intrinsic localized modes in a driven nonlinear electrical cyclic lattice. <i>Europhysics Letters</i> , 2018, 121, 30003.	0.7	10
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.	0.4	0
4	Inductive intrinsic localized modes in a one-dimensional nonlinear electric transmission line. <i>Physical Review E</i> , 2016, 94, 012223.	0.8	13
5	Supertransmission channel for an intrinsic localized mode in a one-dimensional nonlinear physical lattice. <i>Chaos</i> , 2015, 25, 103122.	1.0	11
6	Dynamics of impurity attraction and repulsion of an intrinsic localized mode in a driven 1-D cantilever array. <i>Chaos</i> , 2015, 25, 013103.	1.0	8
7	Intrinsic Localized Mode in an Electric Lattice Containing MOS-Capacitors. <i>IEICE Proceeding Series</i> , 2014, 2, 330-333.	0.0	0
8	Bifurcation Dynamics of an Intrinsic Localized Mode in a Driven 1-D Nonlinear Lattice. <i>IEICE Proceeding Series</i> , 2014, 1, 407-410.	0.0	0
9	Intrinsic localized modes in a nonlinear electrical lattice with saturable nonlinearity. <i>Europhysics Letters</i> , 2013, 103, 30006.	0.7	11
10	Thermally populated intrinsic localized modes in pure alkali halide crystals. <i>Physical Review B</i> , 2013, 88, .	1.1	35
11	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
12	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.	0.4	0
13	Controlled translation of an intrinsic localized mode. , 2012, , .		0
14	Generation of Localized Modes in an Electrical Lattice Using Subharmonic Driving. <i>Physical Review Letters</i> , 2012, 108, 084101.	2.9	42
15	Far-Infrared Absorption of PbSe Nanorods. <i>Nano Letters</i> , 2011, 11, 2786-2790.	4.5	20
16	Symmetry-breaking dynamical pattern and localization observed in the equilibrium vibrational spectrum of NaI. <i>Scientific Reports</i> , 2011, 1, 4.	1.6	43
17	Prediction of high-frequency intrinsic localized modes in Ni and Nb. <i>Physical Review B</i> , 2011, 84, .	1.1	65
18	Manipulation of Autoresonant Intrinsic Localized Modes in MEMs Arrays. <i>AIP Conference Proceedings</i> , 2011, , .	0.3	4

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19	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
20	Logic operations demonstrated with localized vibrations in a micromechanical cantilever array. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2011, 4, 1287-1298.	0.6	1
21	Traveling and stationary intrinsic localized modes and their spatial control in electrical lattices. <i>Physical Review E</i> , 2010, 81, 046605.	0.8	39
22	Experimental and numerical exploration of intrinsic localized modes in an atomic lattice. <i>Journal of Biological Physics</i> , 2009, 35, 57-72.	0.7	8
23	Intrinsic localized modes observed in the high-temperature vibrational spectrum of NaI. <i>Physical Review B</i> , 2009, 79, .	1.1	103
24	Driven intrinsic localized modes in a coupled pendulum array. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 015503.	1.3	27
25	Visualizing intrinsic localized modes with a nonlinear micromechanical array. <i>Low Temperature Physics</i> , 2008, 34, 543-548.	0.2	15
26	Intrinsic localized modes and trapped phonons in crystal lattices. <i>Journal of Physics: Conference Series</i> , 2007, 92, 012142.	0.3	1
27	Management of localized energy in discrete nonlinear transmission lines. <i>Europhysics Letters</i> , 2007, 80, 30002.	0.7	36
28	Driven Localized Excitations in the Acoustic Spectrum of Small Nonlinear Macroscopic and Microscopic Lattices. <i>Physical Review Letters</i> , 2007, 98, 214101.	2.9	27
29	Backward resonant scattering of synchrotron radiation by F nuclei in crystals – a pathway to intrinsic local modes. <i>Journal of Physics: Conference Series</i> , 2007, 92, 012166.	0.3	0
30	Glasslike Two-Level Systems in Minimally Disordered Mixed Crystals. <i>Physical Review Letters</i> , 2006, 96, 235503.	2.9	8
31	Linear local modes induced by intrinsic localized modes in a monatomic chain. <i>Physical Review B</i> , 2006, 73, .	1.1	18
32	Colloquium: Nonlinear energy localization and its manipulation in micromechanical oscillator arrays. <i>Reviews of Modern Physics</i> , 2006, 78, 137-157.	16.4	299
33	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
34	Controlled Switching of Intrinsic Localized Modes in a One-Dimensional Antiferromagnet. <i>Physical Review Letters</i> , 2005, 95, 264101.	2.9	44
35	Optical manipulation of intrinsic localized vibrational energy in cantilever arrays. <i>Europhysics Letters</i> , 2004, 66, 318-323.	0.7	81
36	Direct observation of the discrete character of intrinsic localized modes in an antiferromagnet. <i>Nature</i> , 2004, 432, 486-488.	13.7	159

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37	Observation of Locked Intrinsic Localized Vibrational Modes in a Micromechanical Oscillator Array. Physical Review Letters, 2003, 90, 044102.	2.9	289
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. Physical Review B, 2003, 67, .	1.1	64
39	Study of intrinsic localized vibrational modes in micromechanical oscillator arrays. Chaos, 2003, 13, 702-715.	1.0	87
40	Optical activity of the boson peak and two-level systems in silica-germania glasses. Physical Review B, 2003, 67, .	1.1	8
41	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
42	Experimental study of Raman-active two-level systems and the boson peak in LaF ₃ -doped fluorite mixed crystals. Physical Review B, 2002, 66, .	1.1	12
43	Experimental study of Raman-active two-level systems in soda-lime-silica and lead oxide glasses. Physical Review B, 2002, 65, .	1.1	4
44	Far-infrared properties of resonant modes and tunnelling states in rare-earth-doped calcium fluoride. Journal of Physics Condensed Matter, 2001, 13, 2095-2116.	0.7	8
45	Far-infrared properties of two-level systems in amorphous ice. Europhysics Letters, 2001, 53, 40-45.	0.7	6
46	Two-level systems in fluorite mixed crystals - a far-infrared study. Journal of Physics Condensed Matter, 2001, 13, 2177-2200.	0.7	10
47	Nanoscale intrinsic localized modes in an antiferromagnetic lattice. Journal of Applied Physics, 2001, 89, 6707-6709.	1.1	29
48	Spectral Function of Composites from Reflectivity Measurements. Physical Review Letters, 2000, 84, 1978-1981.	2.9	25
49	Experimental Generation and Observation of Intrinsic Localized Spin Wave Modes in an Antiferromagnet. Physical Review Letters, 1999, 83, 223-226.	2.9	240
50	Total Number Density of Raman-Active Two Level Systems in Fluorite Mixed Crystals and the Law of Mass Action. Physical Review Letters, 1999, 83, 4077-4080.	2.9	13
51	(C ₂ H ₅ NH ₃) ₂ CuCl ₄ : A Physical System for the Experimental Investigation of Intrinsic Localized Modes. Physical Review Letters, 1998, 81, 1937-1940.	2.9	31
52	Modulational instability of nonlinear spin waves in easy-axis antiferromagnetic chains. Physical Review B, 1998, 57, 3433-3443.	1.1	48
53	Absence of an Isotope Effect in the Two Level Spectrum of Amorphous Ice. Physical Review Letters, 1998, 80, 4209-4212.	2.9	39
54	Intrinsic resonant modes for a one-dimensional lattice with a soft optic mode. Physical Review B, 1998, 57, 3402-3405.	1.1	11

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55	Vibrational Pocket Modes: Predictions by the Embedded Crystallite Method and Their Experimental Observation. <i>Physical Review Letters</i> , 1998, 81, 3687-3690.	2.9	3
56	Comparison of electron bunch asymmetry as measured by energy analysis and coherent transition radiation. <i>Physical Review E</i> , 1997, 56, R3780-R3783.	0.8	4
57	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
58	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
59	Ultrafast vibrational relaxation of diatomic chalcogen hydrides in alkali halides. <i>Journal of Chemical Physics</i> , 1997, 107, 2215-2226.	1.2	6
60	Intrinsic localized spin wave modes in easy-axis antiferromagnetic chains. <i>Journal of Applied Physics</i> , 1997, 81, 3972-3974.	1.1	20
61	Generation of intrinsic vibrational gap modes in three-dimensional ionic crystals. <i>Physical Review B</i> , 1997, 55, 5755-5758.	1.1	111
62	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.	0.2	2
63	Intrinsic Localized Modes in Anharmonic Lattices. <i>NATO ASI Series Series B: Physics</i> , 1997, , 247-274.	0.2	3
64	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.	0.8	3
65	Determination of bunch asymmetry from coherent radiation in the frequency domain. <i>AIP Conference Proceedings</i> , 1996, , .	0.3	4
66	Spectral Signature of Low Temperature Hopping Between Two Impurity-Induced Elastic Configurations. <i>Physical Review Letters</i> , 1996, 76, 1864-1867.	2.9	10
67	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.	2.9	23
68	Universal two-state reorientational dynamics of diatomic hydrides in fcc salt crystals. <i>Physical Review B</i> , 1996, 54, 9204-9212.	1.1	3
69	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
70	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.	1.1	4
71	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.	0.3	0
72	Observation of high-frequency vibrational gap modes for KI:Cl ⁻ and KI:Br ⁻ . <i>Europhysics Letters</i> , 1996, 34, 63-68.	0.7	4

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73	Laboratory Results on Millimeter-Wave Absorption in Silicate Grain Materials at Cryogenic Temperatures. <i>Astrophysical Journal</i> , 1996, 462, 1026.	1.6	138
74	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
75	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.	1.2	3
76	Electronic Quadrupolar Deformability and Pocket Mode Stark Effect in Kl:Ag^{2+} . <i>Europhysics Letters</i> , 1994, 27, 401-406.	0.7	4
77	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
78	Two-Level Systems and Excited-State Transitions in Fluorite Mixed Crystals and Silica Glass. <i>Physical Review Letters</i> , 1994, 73, 3105-3108.	2.9	23
79	Relaxation of the CN^{2-} Stretching Vibration in Silver Halides: The Role of Accepting Modes. <i>Physical Review Letters</i> , 1994, 72, 3903-3906.	2.9	10
80	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
81	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
82	Reassessment of millimetre-wave absorption coefficients in interstellar silicate grains. <i>Nature</i> , 1994, 372, 243-245.	13.7	30
83	Far-infrared properties of C_{60} and C_{70} compacts. <i>Journal of Chemical Physics</i> , 1994, 101, 7283-7289.	1.2	22
84	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
85	Comment on "Lattice phonon modes in solid C_{60} studied by far-infrared spectroscopy". <i>Physical Review Letters</i> , 1993, 70, 3175-3175.	2.9	22
86	Far-infrared antiferromagnetic resonance in Gd_2CuO_4 . <i>Physical Review B</i> , 1993, 47, 5300-5314.	1.1	10
87	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
88	Pocket vibrational modes in crystals: Theory and experiment. <i>Physical Review B</i> , 1993, 47, 5731-5747.	1.1	10
89	Anharmonicity of a Thermally Unstable Lattice Defect. <i>Springer Series in Solid-state Sciences</i> , 1993, , 519-520.	0.3	0
90	Temperature Dependence of the SeH Vibrational Dephasing Time in Chalcogenide Glasses. <i>Springer Series in Solid-state Sciences</i> , 1993, , 299-300.	0.3	0

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91	Stress dependence of the pocket gap modes in Kl:Ag^+ . <i>Physical Review B</i> , 1992, 46, 11507-11519.	1.1	11
92	Far-infrared transmission of superconducting KxC60 films. <i>Physical Review B</i> , 1992, 45, 10165-10168.	1.1	22
93	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
94	Persistent infrared spectral hole burning of the fundamental stretching mode of SH^{\sim} in alkali halides. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1992, 9, 746.	0.9	9
95	Persistent infrared spectral hole burning of NO_2^{\sim} and NO_3^{\sim} 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.	0.9	6
96	Persistent infrared spectral hole burning of Tb^{3+} in the glasslike mixed crystal $\text{Ba}_{1-x}\text{La}_x\text{TbF}_{2+x+y}$. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1992, 9, 794.	0.9	26
97	Vibrational Stark effect for matrix-isolated CN^{\sim} molecules. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1992, 9, 978.	0.9	4
98	Observation of coherent transition radiation. <i>Physical Review Letters</i> , 1991, 67, 2962-2965.	2.9	183
99	Self-consistency conditions for the effective-medium approximation in composite materials. <i>Physical Review B</i> , 1991, 44, 5459-5464.	1.1	49
100	Four-wave mixing in the far infrared from free carriers in n-type indium antimonide. <i>Optics Letters</i> , 1991, 16, 1511.	1.7	1
101	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
102	Persistent infrared spectral hole burning of NO_2^{\sim} ions in potassium halide crystals. I. Principle and satellite hole generation. <i>Journal of Chemical Physics</i> , 1991, 95, 8816-8842.	1.2	6
103	Prediction and observation of pocket vibrational modes in crystals. <i>Physical Review Letters</i> , 1991, 67, 871-874.	2.9	12
104	Infrared spectroscopic study of the dressed rotations of CN^{\sim} isotopes in alkali halide crystals. <i>Physical Review B</i> , 1991, 43, 43-61.	1.1	27
105	Raman scattering of Kl:Ag^+ : Exploration of a nearly unstable defect-lattice configuration. <i>Radiation Effects and Defects in Solids</i> , 1991, 119-121, 577-582.	0.4	2
106	Generalized Lyddane-Sachs-Teller relation and disordered solids. <i>Physical Review B</i> , 1990, 41, 3455-3459.	1.1	63
107	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.	2.9	24
108	Optical response of a disordered solid with restricted size. <i>Physical Review B</i> , 1990, 41, 12562-12567.	1.1	8

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109	Far-infrared investigation of the generalized Lyddane-Sachs-Teller relation using ZnS-diamond composites. Physical Review B, 1990, 42, 5469-5475.	1.1	16
110	Far-infrared sphere resonance in isolated superconducting particles. Physical Review B, 1990, 41, 307-326.	1.1	24
111	Infrared diffuse reflectivity study of high-Tc superconductors. Physical Review B, 1990, 41, 7213-7216.	1.1	0
112	Hydrogen adsorption on the $\sqrt{2}$ -N-covered W(100) surface: An infrared study of the W-H stretch. Physical Review B, 1990, 41, 3406-3425.	1.1	7
113	Far-infrared absorption by small silver particles in gelatin. Physical Review B, 1990, 41, 7421-7439.	1.1	25
114	Infrared study of (H,Be)-, (D,Be)-, and (Li,Be)-acceptor complexes in silicon. Physical Review B, 1990, 41, 5881-5892.	1.1	25
115	PERSISTENT INFRARED SPECTRAL HOLE BURNING OF IMPURITY VIBRATIONAL MODES IN CHALCOGENIDE GLASSES. , 1990, , 27-61.		1
116	Antiferromagnetic resonance in $\text{La}_2\text{CuO}_{4+y}$. Physical Review B, 1989, 40, 5190-5193.	1.1	8
117	Far-infrared difference-band absorption in potassium iodide. Physical Review B, 1989, 39, 10352-10355.	1.1	11
118	Anharmonic resonant modes and the low-temperature specific heat of glasses. Physical Review B, 1989, 39, 3374-3379.	1.1	45
119	Comment on $\tilde{\omega}$ -Relaxation-time enhancement in the heavy-fermion system CePd_3 . Physical Review Letters, 1989, 63, 2000-2000.	2.9	6
120	Generalization of the Lyddane-Sachs-Teller relation to disordered dielectrics. Physical Review Letters, 1989, 63, 1800-1803.	2.9	29
121	Theoretical and experimental study of a quantized lattice configuration in a nearly unstable defect system. Physical Review Letters, 1989, 63, 1837-1840.	2.9	17
122	Noh, Kaplan, and Sievers reply. Physical Review Letters, 1989, 62, 2764-2764.	2.9	1
123	Observation of a Far-Infrared Sphere Resonance in Superconducting $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ Particles. Physical Review Letters, 1989, 62, 599-602.	2.9	22
124	Determination of the Orientation of NO_2 in KI by Persistent IR Spectral Hole Burning. Physica Status Solidi (B): Basic Research, 1989, 151, K97.	0.7	2
125	Investigation of the infrared properties of ZnS:diamond composites. Optics Letters, 1989, 14, 1260.	1.7	3
126	Optical pumping of vibrational overtones in KI:CN^{\sim} infrared lasers. Optics Letters, 1988, 13, 631.	1.7	2

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127	Intrinsic Localized Modes in Anharmonic Crystals. <i>Physical Review Letters</i> , 1988, 61, 970-973.	2.9	1,111
128	Intrinsic Localized Vibrational Modes in Anharmonic Crystals. <i>Progress of Theoretical Physics Supplement</i> , 1988, 94, 242-269.	0.2	208
129	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.	1.1	9
130	Zeeman splitting of double-donor spin-triplet levels in silicon. <i>Physical Review B</i> , 1988, 37, 10829-10837.	1.1	9
131	Optical reflectivity studies of polycrystalline $\text{La}_4\text{BaCu}_5\text{O}_{13}$ and $\text{La}_2\text{SrCu}_2\text{O}_6$. <i>Physical Review B</i> , 1988, 38, 5006-5009.	1.1	12
132	Far-infrared absorptivity of UPt_3 . <i>Physical Review B</i> , 1988, 38, 5338-5352.	1.1	85
133	Persistent Infrared Spectral Hole-Burning for Impurity Vibrational Modes in Solids. <i>Topics in Current Physics</i> , 1988, , 203-250.	0.5	0
134	Comparison of the electrodynamic properties of sintered $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ and $\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4$. <i>Physical Review B</i> , 1987, 36, 8866-8869.	1.1	29
135	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
136	Far-infrared composite-medium study of sintered La_2NiO_4 and $\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4$. <i>Physical Review B</i> , 1987, 36, 5735-5738.	1.1	68
137	Infrared spectral hole burning of sulfur-hydrogen deep donors in a Si: Ge crystal. <i>Physical Review B</i> , 1987, 36, 2950-2953.	1.1	9
138	Far-infrared measurement of $\mu_2(\text{I}\%)F(\text{I}\%)$ in superconducting $\text{La}_{1.84}\text{Sr}_{0.16}\text{CuO}_4$. <i>Physical Review B</i> , 1987, 35, 8829-8832.	1.1	24
139	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
140	Far Infrared Measurements on Single Crystals, Films and Bulk Sintered High Temperature Superconductors. <i>Materials Research Society Symposia Proceedings</i> , 1987, 99, 435.	0.1	3
141	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
142	Vibrational relaxation dynamics of matrix-isolated BH_2D^2 . <i>Journal of Chemical Physics</i> , 1987, 87, 4371-4375.	1.2	4
143	Persistent infrared hole-burning spectroscopy of matrix-isolated CN^{\wedge} molecules. <i>Optics Letters</i> , 1986, 11, 428.	1.7	10
144	Infrared surface-wave interferometry on W(100). <i>Optics Letters</i> , 1986, 11, 782.	1.7	12

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145	Reply to "Comment on 'Observation of an index-of-refraction-induced change in the Drude parameters of Ag Films' ". Physical Review B, 1986, 34, 1322-1324.	1.1	10
146	Proton Tunneling with Millielectronvolt Energies at the Be-H Acceptor Complex in Silicon. Physical Review Letters, 1986, 57, 897-900.	2.9	78
147	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
148	Observation of an Energy- and Temperature-Dependent Carrier Mass for Mixed-Valence CePd ₃ . Physical Review Letters, 1986, 57, 1951-1954.	2.9	144
149	Observation of persistent ir hole burning in the vibrational spectrum of CN ^{•-} in KBr. Physical Review B, 1986, 34, 7307-7317.	1.1	19
150	Two-dimensional electron gas in In _{0.53} Ga _{0.47} As/InP heterojunctions grown by atmospheric pressure metalorganic chemical-vapor deposition. Journal of Applied Physics, 1985, 58, 3145-3149.	1.1	16
151	Dipole-dipole-interaction-induced line narrowing in thin-film vibrational-mode spectra. Physical Review B, 1985, 32, 2721-2723.	1.1	11
152	Effect of Melting of the Metallic Component on the Anomalous Far-Infrared Absorption of Superconducting Sn Particle Composites. Physical Review Letters, 1985, 54, 1071-1074.	2.9	46
153	Mie resonance for spherical metal particles in an anisotropic dielectric. Physical Review B, 1985, 31, 2427-2429.	1.1	7
154	Far-infrared properties of lattice resonant modes. VII. Excited states and paraelectric pairs. Physical Review B, 1985, 31, 3948-3959.	1.1	4
155	Ultrasonic attenuation measurements on crystals which display persistent nonphotochemical ir spectral hole burning. Physical Review B, 1985, 31, 2591-2594.	1.1	2
156	Absorptivity of CePd ₃ from 5 to 400 meV. Journal of Applied Physics, 1985, 57, 3134-3136.	1.1	6
157	Possibility of observing quantum size effects in the electromagnetic absorption spectrum of small metal particles. Physical Review B, 1985, 32, 1951-1954.	1.1	16
158	Continuous-wave operation of the KBr:CN ^{•-} solid-state vibration laser in the 5- $\frac{1}{4}$ μ m region. Optics Letters, 1985, 10, 125.	1.7	21
159	Enhanced far-infrared absorption in CePd ₃ and YbCu ₂ Si ₂ . III. Comparison of a resonant-scattering model with experiment. Physical Review B, 1984, 30, 3068-3072.	1.1	16
160	Anharmonic vibrational relaxation dynamics for a molecular impurity mode in alkali halide crystals. Physical Review B, 1984, 29, 6694-6708.	1.1	23
161	Persistent Antiholes in the Vibrational Spectra of Matrix-Isolated Molecules. Physical Review Letters, 1984, 52, 303-306.	2.9	8
162	Observation of Two Elastic Configurations at a Point Defect. Physical Review Letters, 1984, 52, 1234-1237.	2.9	19

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164	Enhanced far-infrared absorption in CePd ₃ and YbCuSi ₂ . Experiment. Physical Review B, 1984, 29, 609-621.	1.1	14
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