

Vladimir Hizhnyakov

List of Publications by Year in descending order

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205
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217
all docs

217
docs citations

217
times ranked

842
citing authors

#	ARTICLE	IF	CITATIONS
1	Rare earth ions doped mixed crystals for fast quantum computers with optical frequency qubits. Optics Communications, 2021, 485, 126693.	2.1	14
2	Thermal broadening of the zero-phonon line in superfluid helium. Physical Review B, 2021, 103, .	3.2	2
3	Fluorescence of Nd ³⁺ optical centers close to cubic symmetry in a calcium fluoride crystal co-doped with Na ⁺ . Journal of Luminescence, 2021, 234, 117988.	3.1	4
4	Spectroscopic evidence of cooperative (entangled) quantum states of Nd ³⁺ ion pairs in Nd ³⁺ : LaF ₃ crystal. Journal of Luminescence, 2020, 219, 116920.	3.1	4
5	Phase Separation and Pairing Fluctuations in Oxide Materials. Condensed Matter, 2020, 5, 65.	1.8	1
6	Enhanced mobility of high-frequency discrete breathers in a monatomic chain with odd anharmonicity. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 1893-1896.	2.1	4
7	On the use of twisted photons for spectroscopy of impurity centers in crystals. Physical Review B, 2018, 97, .	3.2	0
8	Modeling of enhanced spontaneous parametric down-conversion in plasmonic and dielectric structures with realistic waves. Journal of Optics (United Kingdom), 2018, 20, 055502.	2.2	7
9	Vibronic states in conical intersections: manifestations of centrifugal energy and non-adiabaticity in optical spectra of Jahn-Teller systems. Journal of Physics: Conference Series, 2018, 1148, 012002.	0.4	0
10	Steps toward the experimental realization of surface plasmon polariton enhanced spontaneous parametric down-conversion. Optik, 2018, 171, 557-564.	2.9	2
11	Electronic Phase Separation and Electron-Phonon Coupling in Cuprate Superconductors. Springer Series in Materials Science, 2017, , 1-14.	0.6	0
12	Spectroscopic study of NE8 defect in synthetic diamond for optical thermometry. Diamond and Related Materials, 2017, 76, 27-30.	3.9	21
13	Extension of standard transfer-matrix method for three-wave mixing for plasmonic structures. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	3
14	Ground state in E _g Jahn-Teller and Renner-Teller systems: Account of nonadiabaticity. Journal of Chemical Physics, 2017, 147, 084107.	3.0	5
15	From near IR to terahertz photon emission in the LaF ₃ crystals heavily doped by Nd ³⁺ ; the use of the Dicke and the Purcell effects. Journal of Luminescence, 2017, 181, 88-90.	3.1	0
16	Vibronic Coupling and Electron-Phonon Interactions in Molecules and Crystals: XXIII International Symposium on the Jahn-Teller Effect. Journal of Physics: Conference Series, 2017, 833, 011001.	0.4	0
17	Dynamical pseudo-Jahn-Teller effect: time evolution of quantum states above avoided crossing of electronic levels. Journal of Physics: Conference Series, 2017, 833, 012013.	0.4	1
18	Distorted allotropes of bi-benzene: vibronic interactions and electronic excitations. Journal of Physics: Conference Series, 2017, 833, 012009.	0.4	1

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19	Vibronic interactions proceeding from combined analytical and numerical considerations: Covalent functionalization of graphene by benzene, distortions, electronic transitions. Journal of Chemical Physics, 2016, 144, 134708.	3.0	4
20	Rare-earth doped nanocrystals as an active medium for terahertz stimulated emission. , 2016, , .		0
21	Quantum friction of pseudorotation in Jahn-Teller system: Passage through conical intersection. Journal of Chemical Physics, 2016, 145, .	3.0	7
22	Leaky Dyakonov surface plasmon polaritons for birefringent crystals. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	1
23	Enhanced dynamical Casimir effect for surface and guided waves. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	4
24	Transverse intrinsic localized modes in monatomic chain and in graphene. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 1075-1081.	2.1	25
25	Discrete breathers above phonon spectrum. Letters on Materials, 2016, 6, 61-72.	0.7	12
26	Enhanced spontaneous parametric down-conversion in a metal-dielectric interface. , 2015, , .		1
27	Long range annealing of defects in germanium by low energy plasma ions. Physica D: Nonlinear Phenomena, 2015, 297, 56-61.	2.8	33
28	Dynamical Casimir effect for surface plasmon polaritons. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 501-505.	2.1	7
29	Pseudo Jahn-Teller effect in stacked benzene molecules. Chemical Physics, 2015, 460, 90-96.	1.9	7
30	Raman scattering signatures of the unusual vibronic interaction of molecules in liquid helium-3. Chemical Physics, 2015, 460, 111-116.	1.9	0
31	Experimental Observation of Intrinsic Localized Modes in Germanium. Springer Series in Materials Science, 2015, , 343-362.	0.6	5
32	Rate Theory of Acceleration of Defect Annealing Driven by Discrete Breathers. Springer Series in Materials Science, 2015, , 381-398.	0.6	4
33	Enhanced Dynamical Casimir Effect for Surface Plasmon Polaritons and Guided Dielectric Waves. , 2015, , .		0
34	Theory and molecular dynamics simulations of intrinsic localized modes and defect formation in solids. Physica Scripta, 2014, 89, 044003.	2.5	31
35	Time-dependent Jahn-Teller problem: Phonon-induced relaxation through conical intersection. Journal of Chemical Physics, 2014, 141, 234113.	3.0	6
36	Spontaneous nonparametric down-conversion of light. Applied Physics A: Materials Science and Processing, 2014, 115, 563-568.	2.3	6

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37	The Response of a ^3He Fermi Liquid Droplet to Vibronic Excitation of an Embedded Glyoxal Molecule. <i>Journal of Physical Chemistry A</i> , 2014, 118, 6574-6583.	2.5	2
38	Conjoined structures of carbon nanotubes and graphene nanoribbons. <i>Physica Scripta</i> , 2014, 89, 044008.	2.5	8
39	Time-dependent pseudo Jahn-Teller effect: Phonon-mediated long-time nonadiabatic relaxation. <i>Journal of Chemical Physics</i> , 2014, 140, 064105.	3.0	5
40	Plasmon-enhanced emission of polarization entangled photons. , 2014, , .		0
41	Modeling of self-localized vibrations and defect formation in solids. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2013, 303, 91-94.	1.4	11
42	Nonadiabaticity in a Jahn-Teller system probed by absorption and resonance Raman scattering. <i>Journal of Chemical Physics</i> , 2013, 138, 104103.	3.0	20
43	Optical Jahn-Teller effect: contribution of phonons. <i>Journal of Physics: Conference Series</i> , 2013, 428, 012011.	0.4	0
44	Sodium molecule on the surface of liquid helium-4 droplets: optical transitions probe collective excitations. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2013, 10, 232-235.	0.8	3
45	Excitation of surface plasmons in Al-coated SNOM tips. <i>Proceedings of SPIE</i> , 2012, , .	0.8	0
46	Zero-phonon lines of systems with different dimensions and unconventional vibronic interactions. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 104011.	1.8	4
47	Fermi sea excitations in the optical spectrum of a doped ^3He droplet. <i>Chemical Physics Letters</i> , 2012, 548, 17-22.	2.6	5
48	Modal dispersion due to photon-plasmon coupling in a SNOM tip. <i>Optics Communications</i> , 2012, 285, 4579-4582.	2.1	1
49	Optical Jahn-Teller effect in the case of local modes and phonons. <i>Chemical Physics Letters</i> , 2012, 525-526, 64-68.	2.6	20
50	Prediction of high-frequency intrinsic localized modes in Ni and Nb. <i>Physical Review B</i> , 2011, 84, .	3.2	65
51	Zero-phonon lines: Novel manifestations of vibronic interactions in impurity centres of solids. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2011, 111, 377-385.	0.6	2
52	Excitation profiles of resonant coherent Raman scattering by impurity molecules. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 1958-1962.	2.5	2
53	Raman scattering for weakened bonds in the intermediate state: enhancement of low-frequency vibrations. <i>European Physical Journal B</i> , 2010, 75, 187-195.	1.5	3
54	Mesoscopic effect of spectral modulation for the light transmitted by a SNOM tip. <i>Optics Communications</i> , 2010, 283, 2457-2460.	2.1	5

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55	Zero-phonon line: Effect of quadratic electron-phonon coupling. <i>Chemical Physics Letters</i> , 2010, 493, 191-194.	2.6	5
56	Effects of long-range forces in nonlinear dynamics of crystals: creation of defects and self-localized vibrations. <i>IOP Conference Series: Materials Science and Engineering</i> , 2010, 15, 012045.	0.6	3
57	Anomalously sharp phonon excitations in ^3He droplets. <i>Europhysics Letters</i> , 2009, 88, 26007.	2.0	15
58	Pressure dependence of two-level systems in disordered atomic chain. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 4397-4400.	2.1	0
59	Theory of the optical spectrum of Na_2 on 4He droplets: effects of the zero-point energy of the nearest atoms. <i>European Physical Journal B</i> , 2009, 70, 507-512.	1.5	11
60	Localized vibrations in perfect anharmonic lattices: Trapping on phonons. <i>Journal of Luminescence</i> , 2008, 128, 995-997.	3.1	3
61	Effects of mode-mixing and non-Condon interaction in the vibronic spectra of multimode systems. <i>Journal of Luminescence</i> , 2008, 128, 1001-1003.	3.1	1
62	Vibronic transitions between states with hard and soft phonon dynamics. <i>Chemical Physics Letters</i> , 2008, 460, 447-450.	2.6	8
63	Intrinsic localized modes and trapped phonons in crystal lattices. <i>Journal of Physics: Conference Series</i> , 2007, 92, 012142.	0.4	1
64	Self-consistent potential of intrinsic localized modes: Application to diatomic chain. <i>Physical Review B</i> , 2007, 75, .	3.2	11
65	Quantum emission of light by medium with time-dependent refractive index. , 2007, , .		0
66	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.	0.4	0
67	Vibronic transitions in the vicinity of the dynamical instability of the final state. <i>Journal of Molecular Structure</i> , 2007, 838, 164-169.	3.6	5
68	Soft dynamics of the excited state: Lambda-shaped optical spectra. <i>Journal of Luminescence</i> , 2007, 127, 13-18.	3.1	1
69	Theory of optical spectra of impurity centres in crystals: general consideration of quadratic vibronic coupling. <i>Journal of Luminescence</i> , 2007, 127, 7-12.	3.1	8
70	Electronic Inhomogeneities and Pairing from Unscreened Interactions in High-T _c Superconductors. , 2007, , 143-156.		0
71	Optical spectra of systems with nearly unstable excited states: modulated lambda-shaped spectra. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 2558-2561.	3.1	6
72	Optical transition in an impurity centre of a crystal: Mixing of phonons. <i>Chemical Physics Letters</i> , 2006, 422, 299-302.	2.6	12

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73	Self-consistent theory of intrinsic localized modes: Application to monatomic chain. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 357, 393-396.	2.1	8
74	Linear local modes induced by intrinsic localized modes in a monatomic chain. Physical Review B, 2006, 73, .	3.2	18
75	Dynamical Casimir effect: quantum emission of a medium with time-dependent refractive index. , 2006, , .		2
76	Emission by dielectric with oscillating refractive index. Journal of Physics: Conference Series, 2005, 21, 155-160.	0.4	5
77	<title>Anomalous optical spectra of centers with soft phonon dynamics in the excited state</title>. , 2005, 5946, 192.		0
78	Optical transitions in the centres with soft dynamics in the final state. Journal of Physics: Conference Series, 2005, 21, 161-166.	0.4	3
79	Quantum diffusion: effect of defect-localized phonon dynamics. European Physical Journal B, 2005, 43, 431-438.	1.5	7
80	Pressure Effects on Relaxation in a Polymer Glass: A Persistent Spectral Hole Burning Study. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2005, 98, 675.	0.6	4
81	Multiphonon processes in impurity centres: nonperturbative theory. Physica Status Solidi A, 2005, 202, 228-234.	1.7	3
82	The role of defect-induced phonon localization in quantum diffusion. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 495-498.	0.8	0
83	Two-level systems in glasses under high pressure: temperature cycling effect. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 2937-2940.	0.8	1
84	Quantum diffusion: effects of local distortion of phonons. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 3019-3022.	0.8	0
85	Phase relaxation in the vicinity of the dynamic instability: anomalous temperature dependence of zero-phonon line. Journal of Luminescence, 2004, 107, 351-358.	3.1	14
86	Strong Jahn-Teller effect in the excited state: Anomalous temperature dependence of the zero-phonon line. Journal of Chemical Physics, 2003, 119, 6290-6295.	3.0	15
87	Jahn-Teller Effect in the Excited State: Anomalous Temperature Dependence of the Zero-Phonon Line. Advances in Quantum Chemistry, 2003, , 135-149.	0.8	1
88	Critical Dependence of Multiphonon Transitions on Interaction Strength and Temperature. Advances in Quantum Chemistry, 2003, , 151-168.	0.8	0
89	Pressure-Induced Transformations of Low-Energy Excitations in a Polymer Glass Studied by Spectral Hole Burning. Defect and Diffusion Forum, 2002, 208-209, 129-134.	0.4	0
90	Temperature dependence of nonradiative transitions: A nonperturbative theory. Journal of Chemical Physics, 2002, 116, 9485-9491.	3.0	1

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91	Zero-Phonon Lines: The Effect of a Strong Softening of Elastic Springs in the Excited State. <i>Physica Status Solidi (B): Basic Research</i> , 2002, 234, 644-653.	1.5	43
92	Transform method in resonance Raman scattering: effect of mode mixing. <i>Journal of Raman Spectroscopy</i> , 2002, 33, 639-645.	2.5	11
93	Quantum properties of intrinsic localized modes. <i>Physica B: Condensed Matter</i> , 2002, 316-317, 132-135.	2.7	23
94	Pressure-induced transformations of low-energy excitations in glasses. <i>Physica B: Condensed Matter</i> , 2002, 316-317, 527-530.	2.7	2
95	High-order vibrational relaxation: a nonperturbative theory. <i>European Physical Journal B</i> , 2002, 28, 271-276.	1.5	5
96	Zero-Phonon Lines: The Effect of a Strong Softening of Elastic Springs in the Excited State. , 2002, 234, 644.		7
97	Localized Low-Energy Excitations in Glasses. , 2002, , 491-503.		0
98	Resonant light scattering and luminescence in multimode vibronic systems: time-dependent representation. <i>Journal of Raman Spectroscopy</i> , 2001, 32, 591-597.	2.5	2
99	Stationary and Time-Resolved Hot Luminescence of Self-Trapped Excitons in Rare Gas Crystals. <i>Journal of Low Temperature Physics</i> , 2001, 122, 241-248.	1.4	8
100	Nonperturbative theory of multiphonon anharmonic transitions. <i>Journal of Chemical Physics</i> , 2001, 114, 3127-3132.	3.0	4
101	Free and Spin-Polaron States in High T C Superconductors. , 2001, , 349-356.		0
102	Hot luminescence of self-trapped excitons in atomic cryocrystals. <i>Physica B: Condensed Matter</i> , 2000, 284-288, 1129-1130.	2.7	1
103	Self-Trapping Barrier for Phonon Polaron in Anisotropic Crystal. <i>Journal of Superconductivity and Novel Magnetism</i> , 2000, 13, 21-25.	0.5	3
104	Transformation of soft localized modes in glasses under pressure. <i>Physical Review B</i> , 2000, 62, 11296-11299.	3.2	25
105	Optical dephasing by fluctuations of long-range interactions in defect-rich crystals. <i>Journal of Luminescence</i> , 1999, 83-84, 351-355.	3.1	1
106	Nonlinear quantum dynamics of local modes: perfect and disordered alkali halide crystals. <i>Physica B: Condensed Matter</i> , 1999, 263-264, 762-765.	2.7	0
107	Step-wise multiphonon anharmonic decay of local modes: theory and experiment. <i>Physica B: Condensed Matter</i> , 1999, 263-264, 683-686.	2.7	6
108	Hot luminescence of self-trapped excitons in Xe crystal under X-ray and two-photon laser excitation. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1999, 101-103, 623-627.	1.7	1

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109	Self-consistent calculation of the hole autolocalization barrier in the CuO ₂ plane. Physics of the Solid State, 1999, 41, 1042-1045.	0.6	1
110	Optical dephasing in defect-rich crystals. Journal of Chemical Physics, 1999, 111, 8131-8135.	3.0	22
111	Multiphonon anharmonic decay of a quantum mode. Europhysics Letters, 1999, 45, 508-513.	2.0	15
112	Relaxation Jumps and Hot Luminescence of Excitons in Rare Gas Crystals. Journal of Low Temperature Physics, 1998, 111, 709-715.	1.4	6
113	Self-Consistent Calculation of the Self-Trapping Barrier for a Hole in the CuO ₂ Plane. Journal of Superconductivity and Novel Magnetism, 1998, 11, 677-682.	0.5	1
114	Relaxation and hot luminescence in solid Xe. Physics of the Solid State, 1998, 40, 842-843.	0.6	1
115	Relaxation jumps and hot luminescence of self-trapped excitons. Journal of Luminescence, 1998, 76-77, 636-640.	3.1	0
116	Unrestricted slave-boson mean-field approximation for the two-dimensional Hubbard model. Physical Review B, 1998, 57, 6937-6942.	3.2	60
117	Hawking process in solids: Quantum generation of phonon bursts by a strongly excited mode. Pure and Applied Chemistry, 1997, 69, 1195-1202.	1.9	3
118	Nonlinear Quantum Dynamics of Strong Vibration: Relaxation Jumps and Phonon Bursts*. Zeitschrift Fur Physikalische Chemie, 1997, 201, 301-315.	2.8	2
119	Gap Anisotropy and Phonon Renormalization in HTS*. Zeitschrift Fur Physikalische Chemie, 1997, 201, 245-261.	2.8	1
120	Stepwise quantum decay of self-localized solitons. Physical Review B, 1997, 56, R2908-R2911.	3.2	12
121	High pressure narrowing of zero-phonon lines in polymer glasses at different temperatures. Journal of Luminescence, 1997, 72-74, 415-416.	3.1	5
122	Multiphonon decay of strong mode in quantum lattice. Zeitschrift Für Physik B-Condensed Matter, 1997, 104, 675-679.	1.1	5
123	Electronic inhomogeneities, electron-lattice and pairing interactions in high-T _c superconductors. Zeitschrift Für Physik B-Condensed Matter, 1997, 104, 753-757.	1.1	6
124	Anisotropy of the superconducting gap in the presence of electron-phonon and Coulomb interactions. Journal of Superconductivity and Novel Magnetism, 1997, 10, 441-446.	0.5	5
125	Effect of O-O transfer upon a hole in CuO ₂ planes of HTS. Zeitschrift Für Physik B-Condensed Matter, 1997, 104, 433-438.	1.1	2
126	Spontaneous and Coherent Resonance Raman Scattering by Multimode Systems; Transform Laws for Excitation Profiles. Journal of Raman Spectroscopy, 1997, 28, 403-410.	2.5	10

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127	Transform Relations for Coherent Resonance Raman Scattering. Effect of Temperature and Coherent Vibration Amplitude. Journal of Raman Spectroscopy, 1996, 27, 469-474.	2.5	10
128	q-Dependent neutron scattering: A signature of the gap anisotropy in high-T _c superconductors. Journal of Superconductivity and Novel Magnetism, 1996, 9, 493-501.	0.5	5
129	Spin-polaron formation and phase separation. Journal of Superconductivity and Novel Magnetism, 1996, 9, 407-412.	0.5	1
130	q-Dependent phonon renormalization: Possible test for the symmetry of the superconducting gap by neutron scattering?. Journal of Superconductivity and Novel Magnetism, 1996, 9, 437-438.	0.5	2
131	Anisotropic pairing caused by unscreened long-range interactions. Journal of Superconductivity and Novel Magnetism, 1996, 9, 443-447.	0.5	4
132	Relaxation jumps of strong vibration. Physical Review B, 1996, 53, 13981-13984.	3.2	31
133	Anisotropic pairing caused by unscreened long-range interactions. Physical Review B, 1996, 53, 5163-5165.	3.2	15
134	On the role of electronic and chemical phase separation in La ₂ CuO ₄ + $\hat{\Gamma}$. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 1285-1286.	2.3	1
135	Phonon renormalization and symmetry of the superconducting order parameter. Physical Review B, 1995, 52, 7637-7646.	3.2	17
136	Off-centre effects in the triplet relaxed excited state of impurity ns ² ions in alkali halides. Radiation Effects and Defects in Solids, 1995, 134, 375-378.	1.2	0
137	On the Role of Electronic and Chemical Phase Separation: Susceptibility and Conductivity Experiments on La _{2-x} CuO ₄ + $\hat{\Gamma}$. , 1994, , 66-81.		3
138	Phase separation in high-T _c superconductors. Physica C: Superconductivity and Its Applications, 1994, 235-240, 253-256.	1.2	0
139	Phonon renormalization and gap anisotropy. Physica C: Superconductivity and Its Applications, 1994, 235-240, 2137-2138.	1.2	0
140	Mean-field theories of spin-cluster states in CuO ₂ planes. Physica C: Superconductivity and Its Applications, 1994, 235-240, 2241-2242.	1.2	0
141	Interferometric measurements of spectral holes in secondary emission. Optics Communications, 1994, 110, 358-364.	2.1	3
142	On the existence of percolative phase separation in high-T _c cuprates. European Physical Journal B, 1994, 94, 17-20.	1.5	27
143	Pairing Interaction and Phonon Renormalization Favored by Phase Separation. , 1994, , 290-303.		0
144	Resonance Raman scattering of multimode systems: Fourier amplitude approach. Journal of Raman Spectroscopy, 1993, 24, 653-660.	2.5	22

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145	Electronic phase separation in La-Cuprates. European Physical Journal B, 1993, 91, 169-174.	1.5	67
146	Spin-cluster states in CuO ₂ planes. Physical Review B, 1993, 48, 7537-7544.	3.2	35
147	Phase Separation and High-T _c Superconductivity. Springer Series in Solid-state Sciences, 1993, , 402-408.	0.3	0
148	Pairing Interaction Induced by Distortive Electron Lattice Coupling. Springer Series in Solid-state Sciences, 1993, , 413-416.	0.3	0
149	Quantum emission of a medium with a time-dependent refractive index. Journal of the European Optical Society Part B: Quantum Optics, 1992, 4, 277-280.	1.2	25
150	Percolative phase separation and high-T _c superconductivity. Physica Scripta, 1992, T45, 85-87.	2.5	0
151	Hole-phonon coupling in high-T _c superconductors. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1992, 65, 775-781.	0.6	2
152	Percolative phase separation in La ₂ CuO ₄ and La _{2-x} Sr _x CuO ₄ . European Physical Journal B, 1992, 86, 319-324.	1.5	120
153	Homogeneous lineshapes and shifts of the b _{1g} + a _{1g} X _{3g} transition in matrix-isolated NH: comparison with quadratic coupling theory. Chemical Physics, 1992, 162, 249-256.	1.9	17
154	High pressure effects on low temperature relaxation in solids. Journal of Luminescence, 1992, 53, 223-226.	3.1	10
155	Magnetic interactions and dynamics of holes in CuO ₂ planes of high-T _c superconducting materials. Physical Review B, 1991, 44, 795-800.	3.2	26
156	Existence of a barrier between free and ferron-type (self-trapped) hole states in high-T _c cuprates. Physical Review B, 1991, 44, 12639-12642.	3.2	6
157	Off-centre position of excited s ₂ ions in alkali halides. Radiation Effects and Defects in Solids, 1991, 119-121, 951-956.	1.2	3
158	Stimulated Echo and Vibrational Dynamics. Physica Status Solidi (B): Basic Research, 1990, 158, 725-735.	1.5	2
159	On the Reasons of the Off-Centre Position of Excited Ga ⁺ and In ⁺ Ions in Alkali Halides. Physica Status Solidi (B): Basic Research, 1990, 162, K91.	1.5	8
160	Resonance Raman scattering in multi-mode Jahn-Teller systems. Journal of Raman Spectroscopy, 1990, 21, 231-236.	2.5	5
161	Phase diagrams for magnetic order and conductivity in high-T _c materials. Materials Letters, 1990, 9, 425-429.	2.6	24
162	Magnetic Order and High-T _c Superconductivity. Springer Series in Solid-state Sciences, 1990, , 366-370.	0.3	2

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163	On the percolation induced conductivity in high-Tc superconducting materials. Physica C: Superconductivity and Its Applications, 1989, 161, 435-440.	1.2	22
164	On the percolation induced conductivity in high-Tc superconducting materials. Physica C: Superconductivity and Its Applications, 1989, 160, 119-123.	1.2	26
165	Phase relaxation of electronic impurity states by quasi-local modes in glasses. Chemical Physics, 1989, 135, 203-207.	1.9	6
166	Transform method in resonance Raman scattering with quadratic Franck-Condon and Herzberg-Teller interactions. Journal of Raman Spectroscopy, 1988, 19, 383-388.	2.5	30
167	Nuclear Polaritons in the Mössbauer Absorber. Physica Status Solidi (B): Basic Research, 1988, 149, 283-290.	1.5	12
168	High-Tc superconductivity induced by ferromagnetic clustering. Physica C: Superconductivity and Its Applications, 1988, 156, 655-666.	1.2	133
169	Nonequilibrium Statistical Operator of a Vibronic System; Decay of the Squeezed State. Journal of the Physical Society of Japan, 1988, 57, 140-146.	1.6	0
170	Quadratic vibronic interaction; the operator transformation method. Journal of Physics C: Solid State Physics, 1987, 20, 6073-6087.	1.5	27
171	Motion of nuclear excitation in the Mössbauer absorber. Physics Letters, Section A: General, Atomic and Solid State Physics, 1987, 124, 370-372.	2.1	3
172	Effect of two-level atom on photon packet polarization. Physics Letters, Section A: General, Atomic and Solid State Physics, 1985, 109, 317-321.	2.1	1
173	Spectra of a linear molecule in a strong light field. Optics Communications, 1985, 53, 173-178.	2.1	1
174	Vibronic spectra of a molecule in a laser field. Journal of Physics B: Atomic and Molecular Physics, 1984, 17, 2241-2250.	1.6	6
175	Vibrational relaxation and hot luminescence in impurity centres with a strong vibronic coupling. Journal of Physics C: Solid State Physics, 1984, 17, 2839-2858.	1.5	9
176	Multiphonon resonance Raman scattering of impurity centers: Polarization of the emission tail. Physical Review B, 1984, 30, 3490-3501.	3.2	14
177	Optical spectra of a two-level atom in a quantized biharmonic field. Optics Communications, 1984, 52, 183-188.	2.1	5
178	Effect of Magnetic Field on the Decay Kinetics and Polarization of the A_{T} Emission of KCl:Ga at 0.38 K. Physica Status Solidi (B): Basic Research, 1983, 120, 105-115.	1.5	17
179	Effect of Magnetic Field on the Decay Kinetics and Polarization of the A_{T} Emission of KCl:Ti and Kl:In Crystals at 0.4 to 0.7 K. Physica Status Solidi (B): Basic Research, 1983, 120, 463-470.	1.5	3
180	Adiabatic surface of self-trapping excitons. European Physical Journal D, 1982, 32, 58-68.	0.4	1

#	ARTICLE	IF	CITATIONS
181	Quantum dynamics of the vibrational relaxation following the electronic transition in centers with quadratic vibronic interaction. <i>Solid State Communications</i> , 1982, 44, 113-117.	1.9	6
182	Self-Trapping of Polaritons. <i>Physica Status Solidi (B): Basic Research</i> , 1982, 113, 471-479.	1.5	2
183	Vibrational relaxation in the excited electronic state. <i>Physica Status Solidi (B): Basic Research</i> , 1982, 114, 721-730.	1.5	24
184	Origin of Radiative Transitions from Metastable Minima of the Excited State of Sn^{2+} Centres in Alkali Halides. <i>Physica Status Solidi (B): Basic Research</i> , 1981, 106, 581-586.	1.5	9
185	Hot Luminescence of Self-Trapped Excitons in Alkali Halide Crystals. <i>Physica Status Solidi (B): Basic Research</i> , 1981, 108, 531-540.	1.5	15
186	Spectroscopic manifestations of the exciton self-trapping barrier. <i>Solid State Communications</i> , 1981, 37, 165-169.	1.9	2
187	Resonance Raman profile with consideration for quadratic vibronic coupling. <i>Optics Communications</i> , 1980, 32, 419-421.	2.1	30
188	Magnetic Field Effect on the Decay Times of $\text{KCl}:\text{Sn}$. <i>Physica Status Solidi (B): Basic Research</i> , 1980, 101, 431-436.	1.5	6
189	Resonance Scattering of Hard Synchrotron Radiation and Neutrons by Nuclei in Crystals. <i>Physica Status Solidi (B): Basic Research</i> , 1980, 102, 135-142.	1.5	2
190	Phase and energetic relaxation in resonant Raman scattering and hot luminescence. <i>Journal of Luminescence</i> , 1979, 18-19, 673-677.	3.1	13
191	On the theory of resonant secondary radiation of excitons strongly interacting with phonons. <i>Physica Status Solidi (B): Basic Research</i> , 1979, 92, 177-183.	1.5	8
192	Resonant scattering of light by slowly fluctuating localized electrons. <i>Physica Status Solidi (B): Basic Research</i> , 1979, 95, 65-73.	1.5	15
193	On the theory of resonant secondary radiation of excitons weakly interacting with phonons. <i>Physica Status Solidi (B): Basic Research</i> , 1978, 85, 51-61.	1.5	14
194	Vacancy-induced splitting of excited states and the structure of Sn^{2+} centres in alkali halides. <i>Physica Status Solidi (B): Basic Research</i> , 1978, 86, 733-739.	1.5	24
195	To the theory of continuum resonance Raman scattering from diatomic molecules. <i>Optics Communications</i> , 1977, 22, 49-52.	2.1	9
196	Fading Memory in the Theory of Electronic Excitation Transfer. <i>Physica Status Solidi (B): Basic Research</i> , 1976, 75, 669-676.	1.5	18
197	Effect of Hot Transfer on Vibrational Relaxation of Electronic Excitation. <i>Physica Status Solidi (B): Basic Research</i> , 1976, 76, K69.	1.5	2
198	Kinetics and Temperature Dependences of Polarized Emission of Anisotropic Tin Centres in Alkali Halides. <i>Physica Status Solidi (B): Basic Research</i> , 1974, 66, 727-738.	1.5	31

#	ARTICLE	IF	CITATIONS
199	Theory of Polarized Resonant Secondary Radiation of Impurity Centers Including the Jahn-Teller Effect. , 1973, , 489-496.		0
200	Polarization of Impurity Luminescence and Nuclear Spin. Physica Status Solidi (B): Basic Research, 1972, 51, K47.	1.5	1
201	Energy Transfer from Hot Donor to Acceptor. Physica Status Solidi (B): Basic Research, 1972, 51, K117.	1.5	5
202	On the Theory of Hot Luminescence and Resonant Raman Effect of Impurity Centres. Physica Status Solidi (B): Basic Research, 1970, 39, 67-78.	1.5	76
203	Effect of the Polaritonâ€“Phonon Coupling on the Spatial Dispersion. Physica Status Solidi (B): Basic Research, 1969, 34, 421-427.	1.5	5
204	On the Theory of Low-Temperature Exciton Absorption Spectra. Physica Status Solidi (B): Basic Research, 1968, 27, 751-755.	1.5	2
205	Theory of Resonant Secondary Radiation due to Impurity Centres in Crystals. Physica Status Solidi (B): Basic Research, 1967, 21, 755-768.	1.5	351