

Vladimir Hizhnyakov

List of Publications by Year in descending order

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205
papers

2,360
citations

257450

24
h-index

265206

42
g-index

217
all docs

217
docs citations

217
times ranked

842
citing authors

#	ARTICLE	IF	CITATIONS
1	Theory of Resonant Secondary Radiation due to Impurity Centres in Crystals. Physica Status Solidi (B): Basic Research, 1967, 21, 755-768.	1.5	351
2	High-Tc superconductivity induced by ferromagnetic clustering. Physica C: Superconductivity and Its Applications, 1988, 156, 655-666.	1.2	133
3	Percolative phase separation in $\text{La}_2\text{CuO}_{4+x}$ and $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$. European Physical Journal B, 1992, 86, 319-324.	1.5	120
4	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
5	Electronic phase separation in La-Cuprates. European Physical Journal B, 1993, 91, 169-174.	1.5	67
6	Prediction of high-frequency intrinsic localized modes in Ni and Nb. Physical Review B, 2011, 84, .	3.2	65
7	Unrestricted slave-boson mean-field approximation for the two-dimensional Hubbard model. Physical Review B, 1998, 57, 6937-6942.	3.2	60
8	Zero-Phonon Lines: The Effect of a Strong Softening of Elastic Springs in the Excited State. Physica Status Solidi (B): Basic Research, 2002, 234, 644-653.	1.5	43
9	Spin-cluster states in CuO_2 planes. Physical Review B, 1993, 48, 7537-7544.	3.2	35
10	Long range annealing of defects in germanium by low energy plasma ions. Physica D: Nonlinear Phenomena, 2015, 297, 56-61.	2.8	33
11	Kinetics and Temperature Dependences of Polarized Emission of Anisotropic Tin Centres in Alkali Halides. Physica Status Solidi (B): Basic Research, 1974, 66, 727-738.	1.5	31
12	Relaxation jumps of strong vibration. Physical Review B, 1996, 53, 13981-13984.	3.2	31
13	Theory and molecular dynamics simulations of intrinsic localized modes and defect formation in solids. Physica Scripta, 2014, 89, 044003.	2.5	31
14	Resonance Raman profile with consideration for quadratic vibronic coupling. Optics Communications, 1980, 32, 419-421.	2.1	30
15	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
16	Quadratic vibronic interaction; the operator transformation method. Journal of Physics C: Solid State Physics, 1987, 20, 6073-6087.	1.5	27
17	On the existence of percolative phase separation in high-T c cuprates. European Physical Journal B, 1994, 94, 17-20.	1.5	27
18	On the percolation induced conductivity in high-Tc superconducting materials. Physica C: Superconductivity and Its Applications, 1989, 160, 119-123.	1.2	26

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19	Magnetic interactions and dynamics of holes in CuO ₂ planes of high-T _c superconducting materials. <i>Physical Review B</i> , 1991, 44, 795-800.	3.2	26
20	Quantum emission of a medium with a time-dependent refractive index. <i>Journal of the European Optical Society Part B: Quantum Optics</i> , 1992, 4, 277-280.	1.2	25
21	Transformation of soft localized modes in glasses under pressure. <i>Physical Review B</i> , 2000, 62, 11296-11299.	3.2	25
22	Transverse intrinsic localized modes in monatomic chain and in graphene. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 1075-1081.	2.1	25
23	Vacancy-induced splitting of excited states and the structure of Sn ²⁺ Vc ³⁺ centres in alkali halides. <i>Physica Status Solidi (B): Basic Research</i> , 1978, 86, 733-739.	1.5	24
24	Vibrational relaxation in the excited electronic state. <i>Physica Status Solidi (B): Basic Research</i> , 1982, 114, 721-730.	1.5	24
25	Phase diagrams for magnetic order and conductivity in high-T _c materials. <i>Materials Letters</i> , 1990, 9, 425-429.	2.6	24
26	Quantum properties of intrinsic localized modes. <i>Physica B: Condensed Matter</i> , 2002, 316-317, 132-135.	2.7	23
27	On the percolation induced conductivity in high-T _c superconducting materials. <i>Physica C: Superconductivity and Its Applications</i> , 1989, 161, 435-440.	1.2	22
28	Resonance Raman scattering of multimode systems: Fourier amplitude approach. <i>Journal of Raman Spectroscopy</i> , 1993, 24, 653-660.	2.5	22
29	Optical dephasing in defect-rich crystals. <i>Journal of Chemical Physics</i> , 1999, 111, 8131-8135.	3.0	22
30	Spectroscopic study of NE8 defect in synthetic diamond for optical thermometry. <i>Diamond and Related Materials</i> , 2017, 76, 27-30.	3.9	21
31	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
32	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
33	Fading Memory in the Theory of Electronic Excitation Transfer. <i>Physica Status Solidi (B): Basic Research</i> , 1976, 75, 669-676.	1.5	18
34	Linear local modes induced by intrinsic localized modes in a monatomic chain. <i>Physical Review B</i> , 2006, 73, .	3.2	18
35	Effect of Magnetic Field on the Decay Kinetics and Polarization of the A _T Emission of KCl:Ga at 0.38 K. <i>Physica Status Solidi (B): Basic Research</i> , 1983, 120, 105-115.	1.5	17
36	Homogeneous lineshapes and shifts of the b ¹ A ⁺ → a ¹ X ³ A ⁺ transition in matrix-isolated NH: comparison with quadratic coupling theory. <i>Chemical Physics</i> , 1992, 162, 249-256.	1.9	17

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37	Phonon renormalization and symmetry of the superconducting order parameter. <i>Physical Review B</i> , 1995, 52, 7637-7646.	3.2	17
38	Resonant scattering of light by slowly fluctuating localized electrons. <i>Physica Status Solidi (B): Basic Research</i> , 1979, 95, 65-73.	1.5	15
39	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
40	Anisotropic pairing caused by unscreened long-range interactions. <i>Physical Review B</i> , 1996, 53, 5163-5165.	3.2	15
41	Multiphonon anharmonic decay of a quantum mode. <i>Europhysics Letters</i> , 1999, 45, 508-513.	2.0	15
42	Strong Jahn-Teller effect in the excited state: Anomalous temperature dependence of the zero-phonon line. <i>Journal of Chemical Physics</i> , 2003, 119, 6290-6295.	3.0	15
43	Anomalously sharp phonon excitations in ^3He droplets. <i>Europhysics Letters</i> , 2009, 88, 26007.	2.0	15
44	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
45	Multiphonon resonance Raman scattering of impurity centers: Polarization of the emission tail. <i>Physical Review B</i> , 1984, 30, 3490-3501.	3.2	14
46	Phase relaxation in the vicinity of the dynamic instability: anomalous temperature dependence of zero-phonon line. <i>Journal of Luminescence</i> , 2004, 107, 351-358.	3.1	14
47	Rare earth ions doped mixed crystals for fast quantum computers with optical frequency qubits. <i>Optics Communications</i> , 2021, 485, 126693.	2.1	14
48	Phase and energetic relaxation in resonant Raman scattering and hot luminescence. <i>Journal of Luminescence</i> , 1979, 18-19, 673-677.	3.1	13
49	Nuclear Polaritons in the Mössbauer Absorber. <i>Physica Status Solidi (B): Basic Research</i> , 1988, 149, 283-290.	1.5	12
50	Stepwise quantum decay of self-localized solitons. <i>Physical Review B</i> , 1997, 56, R2908-R2911.	3.2	12
51	Optical transition in an impurity centre of a crystal: Mixing of phonons. <i>Chemical Physics Letters</i> , 2006, 422, 299-302.	2.6	12
52	Discrete breathers above phonon spectrum. <i>Letters on Materials</i> , 2016, 6, 61-72.	0.7	12
53	Transform method in resonance Raman scattering: effect of mode mixing. <i>Journal of Raman Spectroscopy</i> , 2002, 33, 639-645.	2.5	11
54	Self-consistent potential of intrinsic localized modes: Application to diatomic chain. <i>Physical Review B</i> , 2007, 75, .	3.2	11

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55	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
56	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
57	High pressure effects on low temperature relaxation in solids. <i>Journal of Luminescence</i> , 1992, 53, 223-226.	3.1	10
58	Transform Relations for Coherent Resonance Raman Scattering. Effect of Temperature and Coherent Vibration Amplitude. <i>Journal of Raman Spectroscopy</i> , 1996, 27, 469-474.	2.5	10
59	Spontaneous and Coherent Resonance Raman Scattering by Multimode Systems; Transform Laws for Excitation Profiles. <i>Journal of Raman Spectroscopy</i> , 1997, 28, 403-410.	2.5	10
60	To the theory of continuum resonance Raman scattering from diatomic molecules. <i>Optics Communications</i> , 1977, 22, 49-52.	2.1	9
61	Origin of Radiative Transitions from Metastable Minima of the Excited State of Sn ₂ +vâ”c Centres in Alkali Halides. <i>Physica Status Solidi (B): Basic Research</i> , 1981, 106, 581-586.	1.5	9
62	Vibrational relaxation and hot luminescence in impurity centres with a strong vibronic coupling. <i>Journal of Physics C: Solid State Physics</i> , 1984, 17, 2839-2858.	1.5	9
63	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
64	On the Reasons of the Off-Centre Position of Excited Ga ⁺ and In ⁺ Ions in Alkali Halides. <i>Physica Status Solidi (B): Basic Research</i> , 1990, 162, K91.	1.5	8
65	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
66	Self-consistent theory of intrinsic localized modes: Application to monatomic chain. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 357, 393-396.	2.1	8
67	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
68	Vibronic transitions between states with hard and soft phonon dynamics. <i>Chemical Physics Letters</i> , 2008, 460, 447-450.	2.6	8
69	Conjoined structures of carbon nanotubes and graphene nanoribbons. <i>Physica Scripta</i> , 2014, 89, 044008.	2.5	8
70	Quantum diffusion: effect of defect-localized phonon dynamics. <i>European Physical Journal B</i> , 2005, 43, 431-438.	1.5	7
71	Dynamical Casimir effect for surface plasmon polaritons. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 501-505.	2.1	7
72	Pseudo Jahn-Teller effect in stacked benzene molecules. <i>Chemical Physics</i> , 2015, 460, 90-96.	1.9	7

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73	Quantum friction of pseudorotation in Jahn-Teller system: Passage through conical intersection. Journal of Chemical Physics, 2016, 145, .	3.0	7
74	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
75	Zero-Phonon Lines: The Effect of a Strong Softening of Elastic Springs in the Excited State. , 2002, 234, 644.		7
76	Magnetic Field Effect on the Decay Times of KCl:Sn. Physica Status Solidi (B): Basic Research, 1980, 101, 431-436.	1.5	6
77	Quantum dynamics of the vibrational relaxation following the electronic transition in centers with quadratic vibronic interaction. Solid State Communications, 1982, 44, 113-117.	1.9	6
78	Vibronic spectra of a molecule in a laser field. Journal of Physics B: Atomic and Molecular Physics, 1984, 17, 2241-2250.	1.6	6
79	Phase relaxation of electronic impurity states by quasi-local modes in glasses. Chemical Physics, 1989, 135, 203-207.	1.9	6
80	Existence of a barrier between free and ferron-type (self-trapped) hole states in high-Tccuprates. Physical Review B, 1991, 44, 12639-12642.	3.2	6
81	Electronic inhomogeneities, electron-lattice and pairing interactions in high-T c superconductors. Zeitschrift FÅ¼r Physik B-Condensed Matter, 1997, 104, 753-757.	1.1	6
82	Relaxation Jumps and Hot Luminescence of Excitons in Rare Gas Crystals. Journal of Low Temperature Physics, 1998, 111, 709-715.	1.4	6
83	Step-wise multiphonon anharmonic decay of local modes: theory and experiment. Physica B: Condensed Matter, 1999, 263-264, 683-686.	2.7	6
84	Optical spectra of systems with nearly unstable excited states: modulated lambda-shaped spectra. Journal of Non-Crystalline Solids, 2006, 352, 2558-2561.	3.1	6
85	Time-dependent Jahn-Teller problem: Phonon-induced relaxation through conical intersection. Journal of Chemical Physics, 2014, 141, 234113.	3.0	6
86	Spontaneous nonparametric down-conversion of light. Applied Physics A: Materials Science and Processing, 2014, 115, 563-568.	2.3	6
87	Effect of the Polaritonâ€™Phonon Coupling on the Spatial Dispersion. Physica Status Solidi (B): Basic Research, 1969, 34, 421-427.	1.5	5
88	Energy Transfer from Hot Donor to Acceptor. Physica Status Solidi (B): Basic Research, 1972, 51, K117.	1.5	5
89	Optical spectra of a two-level atom in a quantized biharmonic field. Optics Communications, 1984, 52, 183-188.	2.1	5
90	Resonance Raman scattering in multi-mode Jahn-Teller systems. Journal of Raman Spectroscopy, 1990, 21, 231-236.	2.5	5

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91	q-Dependent neutron scattering: A signature of the gap anisotropy in high-T _c superconductors. <i>Journal of Superconductivity and Novel Magnetism</i> , 1996, 9, 493-501.	0.5	5
92	High pressure narrowing of zero-phonon lines in polymer glasses at different temperatures. <i>Journal of Luminescence</i> , 1997, 72-74, 415-416.	3.1	5
93	Multiphonon decay of strong mode in quantum lattice. <i>Zeitschrift für Physik B-Condensed Matter</i> , 1997, 104, 675-679.	1.1	5
94	Anisotropy of the superconducting gap in the presence of electron-phonon and Coulomb interactions. <i>Journal of Superconductivity and Novel Magnetism</i> , 1997, 10, 441-446.	0.5	5
95	High-order vibrational relaxation: a nonperturbative theory. <i>European Physical Journal B</i> , 2002, 28, 271-276.	1.5	5
96	Emission by dielectric with oscillating refractive index. <i>Journal of Physics: Conference Series</i> , 2005, 21, 155-160.	0.4	5
97	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
98	Mesoscopic effect of spectral modulation for the light transmitted by a SNOM tip. <i>Optics Communications</i> , 2010, 283, 2457-2460.	2.1	5
99	Zero-phonon line: Effect of quadratic electron-phonon coupling. <i>Chemical Physics Letters</i> , 2010, 493, 191-194.	2.6	5
100	Fermi sea excitations in the optical spectrum of a doped 3He droplet. <i>Chemical Physics Letters</i> , 2012, 548, 17-22.	2.6	5
101	Time-dependent pseudo Jahn-Teller effect: Phonon-mediated long-time nonadiabatic relaxation. <i>Journal of Chemical Physics</i> , 2014, 140, 064105.	3.0	5
102	Ground state in E _g -Jahn-Teller and Renner-Teller systems: Account of nonadiabaticity. <i>Journal of Chemical Physics</i> , 2017, 147, 084107.	3.0	5
103	Experimental Observation of Intrinsic Localized Modes in Germanium. <i>Springer Series in Materials Science</i> , 2015, , 343-362.	0.6	5
104	Anisotropic pairing caused by unscreened long-range interactions. <i>Journal of Superconductivity and Novel Magnetism</i> , 1996, 9, 443-447.	0.5	4
105	Nonperturbative theory of multiphonon anharmonic transitions. <i>Journal of Chemical Physics</i> , 2001, 114, 3127-3132.	3.0	4
106	Pressure Effects on Relaxation in a Polymer Glass: A Persistent Spectral Hole Burning Study. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2005, 98, 675.	0.6	4
107	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
108	Vibronic interactions proceeding from combined analytical and numerical considerations: Covalent functionalization of graphene by benzene, distortions, electronic transitions. <i>Journal of Chemical Physics</i> , 2016, 144, 134708.	3.0	4

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109	Enhanced dynamical Casimir effect for surface and guided waves. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	4
110	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
111	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
112	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
113	Rate Theory of Acceleration of Defect Annealing Driven by Discrete Breathes. Springer Series in Materials Science, 2015, , 381-398.	0.6	4
114	Effect of Magnetic Field on the Decay Kinetics and Polarization of the A _T Emission of KCl:Tl and KCl:In Crystals at 0.4 to 0.7 K. Physica Status Solidi (B): Basic Research, 1983, 120, 463-470.	1.5	3
115	Motion of nuclear excitation in the M ¹⁰⁰ ssbauer absorber. Physics Letters, Section A: General, Atomic and Solid State Physics, 1987, 124, 370-372.	2.1	3
116	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
117	On the Role of Electronic and Chemical Phase Separation: Susceptibility and Conductivity Experiments on La ₂ xCuO ₄ + δ . , 1994, , 66-81.		3
118	Interferometric measurements of spectral holes in secondary emission. Optics Communications, 1994, 110, 358-364.	2.1	3
119	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
120	Self-Trapping Barrier for Phonon Polaron in Anisotropic Crystal. Journal of Superconductivity and Novel Magnetism, 2000, 13, 21-25.	0.5	3
121	Optical transitions in the centres with soft dynamics in the final state. Journal of Physics: Conference Series, 2005, 21, 161-166.	0.4	3
122	Multiphonon processes in impurity centres: nonperturbative theory. Physica Status Solidi A, 2005, 202, 228-234.	1.7	3
123	Localized vibrations in perfect anharmonic lattices: Trapping on phonons. Journal of Luminescence, 2008, 128, 995-997.	3.1	3
124	Raman scattering for weakened bonds in the intermediate state: enhancement of low-frequency vibrations. European Physical Journal B, 2010, 75, 187-195.	1.5	3
125	Effects of long-range forces in nonlinear dynamics of crystals: creation of defects and self-localized vibrations. IOP Conference Series: Materials Science and Engineering, 2010, 15, 012045.	0.6	3
126	Sodium molecule on the surface of liquid helium-4 droplets: optical transitions probe collective excitations. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 232-235.	0.8	3

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127	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
128	On the Theory of Low-Temperature Exciton Absorption Spectra. Physica Status Solidi (B): Basic Research, 1968, 27, 751-755.	1.5	2
129	Effect of Hot Transfer on Vibrational Relaxation of Electronic Excitation. Physica Status Solidi (B): Basic Research, 1976, 76, K69.	1.5	2
130	Resonance Scattering of Hard Synchrotron Radiation and Neutrons by Nuclei in Crystals. Physica Status Solidi (B): Basic Research, 1980, 102, 135-142.	1.5	2
131	Spectroscopic manifestations of the exciton self-trapping barrier. Solid State Communications, 1981, 37, 165-169.	1.9	2
132	Self-Trapping of Polaritons. Physica Status Solidi (B): Basic Research, 1982, 113, 471-479.	1.5	2
133	Stimulated Echo and Vibrational Dynamics. Physica Status Solidi (B): Basic Research, 1990, 158, 725-735.	1.5	2
134	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
135	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
136	Nonlinear Quantum Dynamics of Strong Vibration: Relaxation Jumps and Phonon Bursts*. Zeitschrift Fur Physikalische Chemie, 1997, 201, 301-315.	2.8	2
137	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
138	Resonant light scattering and luminescence in multimode vibronic systems: time-dependent representation. Journal of Raman Spectroscopy, 2001, 32, 591-597.	2.5	2
139	Pressure-induced transformations of low-energy excitations in glasses. Physica B: Condensed Matter, 2002, 316-317, 527-530.	2.7	2
140	Dynamical Casimir effect: quantum emission of a medium with time-dependent refractive index. , 2006, ,		2
141	Zero-phonon lines: Novel manifestations of vibronic interactions in impurity centres of solids. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2011, 111, 377-385.	0.6	2
142	Excitation profiles of resonant coherent Raman scattering by impurity molecules. Journal of Raman Spectroscopy, 2011, 42, 1958-1962.	2.5	2
143	The Response of a ³ He Fermi Liquid Droplet to Vibronic Excitation of an Embedded Glyoxal Molecule. Journal of Physical Chemistry A, 2014, 118, 6574-6583.	2.5	2
144	Steps toward the experimental realization of surface plasmon polariton enhanced spontaneous parametric down-conversion. Optik, 2018, 171, 557-564.	2.9	2

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145	Thermal broadening of the zero-phonon line in superfluid helium. <i>Physical Review B</i> , 2021, 103, .	3.2	2
146	Magnetic Order and High-Tc Superconductivity. <i>Springer Series in Solid-state Sciences</i> , 1990, , 366-370.	0.3	2
147	Polarization of Impurity Luminescence and Nuclear Spin. <i>Physica Status Solidi (B): Basic Research</i> , 1972, 51, K47.	1.5	1
148	Adiabatic surface of self-trapping excitons. <i>European Physical Journal D</i> , 1982, 32, 58-68.	0.4	1
149	Effect of two-level atom on photon packet polarization. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1985, 109, 317-321.	2.1	1
150	Spectra of a linear molecule in a strong light field. <i>Optics Communications</i> , 1985, 53, 173-178.	2.1	1
151	On the role of electronic and chemical phase separation in $\text{La}_2\text{CuO}_4 + \hat{\nu}$. <i>Journal of Magnetism and Magnetic Materials</i> , 1995, 140-144, 1285-1286.	2.3	1
152	Spin-polaron formation and phase separation. <i>Journal of Superconductivity and Novel Magnetism</i> , 1996, 9, 407-412.	0.5	1
153	Gap Anisotropy and Phonon Renormalization in HTS*. <i>Zeitschrift Fur Physikalische Chemie</i> , 1997, 201, 245-261.	2.8	1
154	Self-Consistent Calculation of the Self-Trapping Barrier for a Hole in the CuO_2 Plane. <i>Journal of Superconductivity and Novel Magnetism</i> , 1998, 11, 677-682.	0.5	1
155	Relaxation and hot luminescence in solid Xe. <i>Physics of the Solid State</i> , 1998, 40, 842-843.	0.6	1
156	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
157	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
158	Self-consistent calculation of the hole autolocalization barrier in the CuO_2 plane. <i>Physics of the Solid State</i> , 1999, 41, 1042-1045.	0.6	1
159	Hot luminescence of self-trapped excitons in atomic cryocrystals. <i>Physica B: Condensed Matter</i> , 2000, 284-288, 1129-1130.	2.7	1
160	Temperature dependence of nonradiative transitions: A nonperturbative theory. <i>Journal of Chemical Physics</i> , 2002, 116, 9485-9491.	3.0	1
161	Jahn-Teller Effect in the Excited State: Anomalous Temperature Dependence of the Zero-Phonon Line. <i>Advances in Quantum Chemistry</i> , 2003, , 135-149.	0.8	1
162	Two-level systems in glasses under high pressure: temperature cycling effect. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004, 1, 2937-2940.	0.8	1

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163	Intrinsic localized modes and trapped phonons in crystal lattices. Journal of Physics: Conference Series, 2007, 92, 012142.	0.4	1
164	Soft dynamics of the excited state: Lambda-shaped optical spectra. Journal of Luminescence, 2007, 127, 13-18.	3.1	1
165	Effects of mode-mixing and non-Condon interaction in the vibronic spectra of multimode systems. Journal of Luminescence, 2008, 128, 1001-1003.	3.1	1
166	Modal dispersion due to photon-plasmon coupling in a SNOM tip. Optics Communications, 2012, 285, 4579-4582.	2.1	1
167	Enhanced spontaneous parametric down-conversion in a metal-dielectric interface. , 2015, , .		1
168	Leaky Dyakonov surface plasmon polaritons for birefringent crystals. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	1
169	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
170	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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