

# Oleg Misochko

## List of Publications by Year in Descending Order

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

139  
papers

1,370  
citations

20  
h-index

28  
g-index

144  
ext. papers

1,455  
ext. citations

2.1  
avg. IF

4.45  
L-index

#	Paper	IF	Citations
139	New Evidence for a Nonclassical Behavior of Laser Multimode Light. <i>Optics</i> , <b>2022</b> , 3, 46-52	1.1	0
138	Photoinduced Ultrafast Symmetry Switch in SnSe.. <i>Journal of Physical Chemistry Letters</i> , <b>2022</b> , 13, 442-448	4.4	2
137	Attosecond-Resolved Coherent Control of Lattice Vibrations in Thermoelectric SnSe.. <i>Journal of Physical Chemistry Letters</i> , <b>2022</b> , 2584-2590	6.4	0
136	Ultrafast carrier dynamics of Bi2O2Se nanoplates in the nonlinear excitation regime. <i>Chemical Physics</i> , <b>2021</b> , 541, 111017	2.3	0
135	Phase estimation algorithm for the multibeam optical metrology. <i>Scientific Reports</i> , <b>2020</b> , 10, 8715	4.9	1
134	A Triple Correlator of Radiation Intensities of a Multimode Semiconductor Laser. <i>Optics</i> , <b>2020</b> , 1, 32-39	1.1	1
133	Control of the Dephasing of the Coherent Phonons Excited by Femtosecond Laser Pulses in Opaque Crystals. <i>Journal of Experimental and Theoretical Physics</i> , <b>2019</b> , 128, 827-839	1	0
132	Multimode Semiconductor Laser: Quantum Versus Classical Behavior. <i>Journal of Russian Laser Research</i> , <b>2019</b> , 40, 64-70	0.7	2
131	Femtosecond study of A1g phonons in the strong 3D topological insulators: From pump-probe to coherent control. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 031901	3.4	9
130	Temperature effect on the coupling between coherent longitudinal phonons and plasmons in n-type and p-type GaAs. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	3
129	Study of Thermal and Coherent A1g Phonons in Bismuth Telluride. <i>Journal of Experimental and Theoretical Physics</i> , <b>2018</b> , 126, 64-75	1	1
128	Probing the Fluctuations of Optical Properties in Time-Resolved Spectroscopy. <i>Physical Review Letters</i> , <b>2017</b> , 119, 187403	7.4	6
127	Observation of coherent optical phonons excited by femtosecond laser radiation in Sb films by ultrafast electron diffraction method. <i>Journal of Experimental and Theoretical Physics</i> , <b>2017</b> , 124, 422-428	1	15
126	Study of ultrafast processes in matter by means of time-resolved electron diffraction and microscopy. <i>EPJ Web of Conferences</i> , <b>2017</b> , 161, 01002	0.3	0
125	Coherent lattice dynamics in opaque crystals: Testing the adequacy of two-tensor model. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	7
124	Pump pulse duration dependence of coherent phonon amplitudes in antimony. <i>Journal of Experimental and Theoretical Physics</i> , <b>2016</b> , 123, 292-302	1	7
123	Direct observation of the generation of coherent optical phonons in thin antimony films by the femtosecond electron diffraction method. <i>JETP Letters</i> , <b>2016</b> , 103, 531-534	1.2	8

122	Fano interference at the excitation of coherent phonons: Relation between the asymmetry parameter and the initial phase of coherent oscillations. <i>Journal of Experimental and Theoretical Physics</i> , <b>2015</b> , 120, 651-663	1	14
121	Polarization dependence of coherent phonon generation and detection in the three-dimensional topological insulator Bi <sub>2</sub> Te <sub>3</sub> . <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	19
120	Features of coherent phonons of the strong topological insulator Bi <sub>2</sub> Te <sub>3</sub> . <i>JETP Letters</i> , <b>2015</b> , 102, 235-241	1	7
119	Ultrafast phonon dynamics of epitaxial atomic layers of Bi on Si(111). <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	16
118	Coherent lattice dynamics of the topological insulator Bi <sub>2</sub> Te <sub>3</sub> probed by ultrafast spectroscopy. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 011902	3.4	19
117	Inhomogeneity as a source of collapse and revival for large-amplitude chirped coherent A <sub>1g</sub> phonons in bismuth. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	2
116	Experimental evidence of the existence of a nonstationary coherent crystal state in bismuth. <i>Journal of Experimental and Theoretical Physics</i> , <b>2014</b> , 118, 227-234	1	9
115	Ultrafast coherent lattice and incoherent carrier dynamics in bismuth: time-domain results. <i>Laser Physics</i> , <b>2014</b> , 24, 094004	1.2	10
114	Ultrafast broadband spectroscopy of crystalline bismuth. <i>Quantum Electronics</i> , <b>2013</b> , 43, 313-319	1.8	4
113	Nonclassical states of lattice excitations: squeezed and entangled phonons. <i>Physics-Uspekhi</i> , <b>2013</b> , 56, 868-882	2.8	14
112	Ultrafast electronic dynamics in laser-excited crystalline bismuth. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 033502	2.5	13
111	Ultrafast electronic dynamics in laser-excited crystalline bismuth. <i>EPJ Web of Conferences</i> , <b>2013</b> , 41, 04006	0.3	6
110	Manipulation of Squeezed Two-Phonon Bound States using Femtosecond Laser Pulses. <i>EPJ Web of Conferences</i> , <b>2013</b> , 41, 04019	0.3	
109	Delayed formation of coherent LO phonon-plasmon coupled modes in n- and p-type GaAs measured using a femtosecond coherent control technique. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	16
108	Direct observation of two-phonon bound states in ZnTe. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	13
107	Controlling phonon squeezing and correlation via one- and two-phonon interference. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2011</b> , 375, 4141-4146	2.3	19
106	Generation of coherent phonons in bismuth by ultrashort laser pulses in the visible and NIR: Displacive versus impulsive excitation mechanism. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2011</b> , 375, 2017-2022	2.3	23
105	Ultrafast zone-center coherent lattice dynamics in ferroelectric lithium tantalate. <i>Science and Technology of Advanced Materials</i> , <b>2011</b> , 12, 034409	7.1	2

104	Coherent optical phonons of ZnO under near resonant photoexcitation. <i>Journal of Physics Condensed Matter</i> , <b>2010</b> , 22, 465803	1.8	8
103	Investigation of ultrafast processes in photoexcited bismuth by broadband probing in the wavelength range 0.40-0.9 $\mu$ m. <i>Journal of Experimental and Theoretical Physics</i> , <b>2010</b> , 111, 431-439	1	10
102	Nonequilibrium phase transition in v-group semimetals, induced by ultrashort laser pulses. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2010</b> , 74, 589-591	0.4	
101	Coherent crystallization of bismuth under strong excitation by ultrashort laser pulses. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2010</b> , 74, 1043-1045	0.4	
100	Excitation and Time-Evolution of Coherent Optical Phonons <b>2010</b> , 213-237		1
99	Progress in Ultrafast Intense Laser Science. <i>Springer Series in Chemical Physics</i> , <b>2010</b> ,	0.3	7
98	Coherent Lattice Oscillations in Solids and Their Optical Control. <i>Springer Series in Chemical Physics</i> , <b>2010</b> , 23-46	0.3	23
97	Coherent Lattice Oscillations in Solids and Their Optical Control. <i>Springer Series in Chemical Physics</i> , <b>2010</b> , 47-63	0.3	
96	Ultrafast photoinduced structure phase transition in antimony single crystals. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	23
95	Comment on "small atomic displacements recorded in bismuth by the optical reflectivity of femtosecond laser-pulse excitations". <i>Physical Review Letters</i> , <b>2009</b> , 102, 029701; author reply 29702	7.4	6
94	Investigation of coherent phonons in bismuth by femtosecond laser and X-ray pulse probing. <i>JETP Letters</i> , <b>2009</b> , 89, 129-132	1.2	17
93	Optical control of the coherent dynamics of a bismuth lattice at liquid-helium temperature at low and high excitation levels. <i>JETP Letters</i> , <b>2009</b> , 90, 284-288	1.2	8
92	Michelson interferometer with multichannel interferogram recording. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , <b>2009</b> , 107, 826-829	0.7	
91	Oriented ZnO nanorods and their IR reflection spectra. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2009</b> , 73, 1528-1531	0.4	2
90	Raman scattering on overtones of fully symmetric LO phonons in Zn <sub>0.9</sub> Mn <sub>0.1</sub> O nanocrystals under resonance excitation conditions. <i>Technical Physics Letters</i> , <b>2009</b> , 35, 1086-1089	0.7	3
89	Investigation of the dependence of the coherent dynamics of a bismuth lattice on the crystal excitation level. <i>Journal of Experimental and Theoretical Physics</i> , <b>2009</b> , 109, 805-814	1	14
88	Growth of ZnO nanocrystals by pulsed laser deposition on sapphire and silicon and the infrared spectra of the nanocrystals. <i>Semiconductors</i> , <b>2009</b> , 43, 1532-1538	0.7	3
87	Generation of coherent phonons in opaque crystals: A radio engineering analogy. <i>Physics of the Solid State</i> , <b>2009</b> , 51, 1843-1852	0.8	6

86	Large-amplitude coherent phonons in semimetals. <i>Springer Series in Chemical Physics</i> , <b>2009</b> , 229-231	0.3	1
85	Coherent A1g and Eg Phonons of Antimony. <i>Springer Series in Chemical Physics</i> , <b>2009</b> , 220-222	0.3	1
84	Two-electron pulses of a photomultiplier and two-photon photoeffect. <i>Quantum Electronics</i> , <b>2008</b> , 38, 710-723	1.8	4
83	Coherent A1g and Eg phonons of antimony. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 123505	2.5	33
82	Nonlinear lattice dynamics of bismuth as a means of clarifying the nature of coherent phonons. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2008</b> , 72, 1117-1119	0.4	
81	Coherent control of the lattice dynamics of bismuth near the lindemann stability limit. <i>Journal of Experimental and Theoretical Physics</i> , <b>2007</b> , 104, 245-253	1	12
80	Effect of phase modulation of a laser pulse on the generation of a coherent totally symmetric phonon in a tellurium single crystal. <i>Physics of the Solid State</i> , <b>2007</b> , 49, 2171-2176	0.8	1
79	Coherent A(1) phonons in Te studied with tailored femtosecond pulses. <i>Journal of Physics Condensed Matter</i> , <b>2007</b> , 19, 406220	1.8	12
78	Effect of intense chirped pulses on the coherent phonon generation in Te. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 071901	3.4	12
77	Fano interference for large-amplitude coherent phonons in bismuth. <i>Journal of Physics Condensed Matter</i> , <b>2007</b> , 19, 156227	1.8	18
76	Temperature dependence of coherent A1g and Eg phonons of bismuth. <i>Journal of Applied Physics</i> , <b>2006</b> , 100, 093501	2.5	48
75	Fully symmetric and doubly degenerate coherent phonons in semimetals at low temperature and high excitation: similarities and differences. <i>Journal of Physics Condensed Matter</i> , <b>2006</b> , 18, 10571-10584	1.8	30
74	Amplitude beating of coherent phonon in graphite under high intensity photo-excitation. <i>Surface Science</i> , <b>2005</b> , 593, 116-121	1.8	5
73	On the nature of "coherent artifact" <i>Journal of Experimental and Theoretical Physics</i> , <b>2005</b> , 100, 272-282	1	37
72	Fano interference with the alternating asymmetry parameter in time-domain experiments. <i>JETP Letters</i> , <b>2005</b> , 82, 426-430	1.2	8
71	Coupled phonon-plasmon modes in indium phosphide observed by an ultrafast pump-probe technique. <i>Journal of Physics Condensed Matter</i> , <b>2005</b> , 17, 5577-5585	1.8	1
70	Observation of longitudinal optical-transverse optical splitting for E-symmetry phonons in Te by coherent phonon spectroscopy. <i>Journal of Physics Condensed Matter</i> , <b>2005</b> , 17, 3015-3023	1.8	5
69	Amplitude Collapse -Revival of Chirped Coherent Phonons under High-density Optical Excitation. <i>Springer Series in Chemical Physics</i> , <b>2005</b> , 248-250	0.3	

68	Spectrally filtered time domain study of coherent phonons in semimetals. <i>Journal of Physics Condensed Matter</i> , <b>2004</b> , 16, 1879-1886	1.8	7
67	Observation of an amplitude collapse and revival of chirped coherent phonons in bismuth. <i>Physical Review Letters</i> , <b>2004</b> , 92, 197401	7.4	70
66	Coherent phonons in NdBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> single crystals: Optical-response anisotropy and hysteretic behavior. <i>Journal of Experimental and Theoretical Physics</i> , <b>2004</b> , 98, 341-347	1	1
65	On the nature of coherent phonons generated by ultrashort laser pulses in single-crystal antimony. <i>Physics of the Solid State</i> , <b>2004</b> , 46, 1741-1749	0.8	10
64	Transient Bose-Einstein condensation of phonons. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2004</b> , 321, 381-387	2.3	42
63	Electronic Raman scattering in high-temperature superconductors. <i>Physics-Uspokhi</i> , <b>2003</b> , 46, 373-392	2.8	3
62	Raman scattering in metals with disorder: beyond the zero-momentum approximation. <i>Journal of Physics Condensed Matter</i> , <b>2003</b> , 15, 3751-3758	1.8	2
61	Phonon autoecho in bismuth and antimony single crystals. <i>JETP Letters</i> , <b>2003</b> , 78, 75-79	1.2	15
60	A time-resolved optical study of the paramagnetic dielectric-ferromagnetic metal transition in La <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> . <i>Journal of Experimental and Theoretical Physics</i> , <b>2003</b> , 97, 788-793	1	3
59	Electronic Raman scattering in high-temperature superconductors. <i>Uspekhi Fizicheskikh Nauk</i> , <b>2003</b> , 173, 385	0.5	0
58	Observation of a hysteretic pseudogap behavior via coherent phonons in high temperature superconductors. <i>Springer Series in Chemical Physics</i> , <b>2003</b> , 368-370	0.3	
57	Anisotropy of the Raman scattering measured in the xy plane of a nontwinned YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> single crystal. <i>Journal of Experimental and Theoretical Physics</i> , <b>2002</b> , 94, 345-349	1	1
56	Characteristic features of the pseudogap and superconducting states of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> . <i>JETP Letters</i> , <b>2002</b> , 75, 642-645	1.2	1
55	Two crossovers in the Pseudogap regime of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> (7-delta) superconductors observed by ultrafast spectroscopy. <i>Physical Review Letters</i> , <b>2002</b> , 89, 067002	7.4	29
54	Resonant electronic Raman scattering in high-T <sub>c</sub> superconductors. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	15
53	Coherent phonons and their properties. <i>Journal of Experimental and Theoretical Physics</i> , <b>2001</b> , 92, 246-259		26
52	Generation of coherent off-diagonal raman-active phonons by femtosecond laser pulses in high-temperature superconductor YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> . <i>Physics of the Solid State</i> , <b>2001</b> , 43, 1195-1198	0.8	4
51	Manifestations of the two-quantum photoeffect and photon statistics in the photoelectron multiplier pulse amplitude distribution. <i>Journal of Experimental and Theoretical Physics</i> , <b>2001</b> , 93, 1168-1177		

50	A new technique for measuring light statistics. <i>Measurement Science and Technology</i> , <b>2001</b> , 12, 736-739	2	2
49	Raman intensity of A <sub>1g</sub> phonons in dx <sup>2</sup> -y <sup>2</sup> superconductors. <i>Physical Review B</i> , <b>2001</b> , 63,	3.3	3
48	Coherent phonons in InSb and their properties from femtosecond pump-probe experiments. <i>Physica B: Condensed Matter</i> , <b>2000</b> , 293, 33-37	2.8	5
47	Implication of phase-dependent noise of coherent phonons in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2000</b> , 269, 97-102	2.3	16
46	Optical investigation of coherent and thermal phonons in high-T <sub>c</sub> superconductors. <i>Physics of the Solid State</i> , <b>2000</b> , 42, 1204-1206	0.8	4
45	Femtosecond pump-probe study of YBa <sub>2</sub> Cu <sub>4</sub> O <sub>8</sub> superconductor. <i>Physica C: Superconductivity and Its Applications</i> , <b>2000</b> , 329, 12-16	1.3	6
44	Phase-dependent noise in femtosecond pump-probe experiments on Bi and GaAs. <i>Physical Review B</i> , <b>2000</b> , 61, 11225-11228	3.3	33
43	Resonant electronic Raman scattering in optimally doped Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+x</sub> superconductor. <i>Journal of Physics Condensed Matter</i> , <b>2000</b> , 12, 9095-9105	1.8	8
42	Peculiar noise properties of phonons generated by femtosecond laser pulses in antimony. <i>Applied Physics Letters</i> , <b>2000</b> , 76, 961-963	3.4	21
41	Dynamics of low-frequency phonons in the YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> superconductor studied by time- and frequency-domain spectroscopies. <i>Physical Review B</i> , <b>2000</b> , 61, 4305-4313	3.3	39
40	RAMAN STUDY OF THE SUPERCONDUCTING ORDER PARAMETER IN PURE AND DISORDERED Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+x</sub> SINGLE CRYSTALS. <i>International Journal of Modern Physics B</i> , <b>2000</b> , 14, 1501-1515	1.1	1
39	Electronic Raman scattering in disordered Bi <sub>2</sub> Sr <sub>2</sub> Ca(Cu <sub>1-x</sub> Fey) <sub>2</sub> O <sub>7</sub> Impurity scattering effects. <i>Physical Review B</i> , <b>1999</b> , 59, 11183-11186	3.3	10
38	Extended Van Hove singularity in electronic Raman scattering in YBa <sub>2</sub> Cu <sub>4</sub> O <sub>8</sub> . <i>Physical Review B</i> , <b>1999</b> , 59, 195-198	3.3	4
37	Pairing symmetry and localization probed by electronic Raman scattering in disordered high-T <sub>c</sub> superconductors. <i>Physical Review B</i> , <b>1999</b> , 60, 1326-1331	3.3	7
36	Superconductivity-induced phonon anomalies in high-T <sub>c</sub> superconductors: A Raman intensity study. <i>Physical Review B</i> , <b>1999</b> , 59, 11495-11501	3.3	20
35	Temperature dependence of electronic Raman scattering as a probe of pairing symmetry in high-T <sub>c</sub> superconductors. <i>Solid State Communications</i> , <b>1999</b> , 113, 141-145	1.6	6
34	Phonons in V <sub>2</sub> O <sub>3</sub> above and below the Mott transition: a comparison of time- and frequency-domain spectroscopy results. <i>Physica B: Condensed Matter</i> , <b>1999</b> , 263-264, 57-59	2.8	4
33	Mixing of low-frequency Raman-active phonons studied by femtosecond pump-probe spectroscopy. <i>Physica C: Superconductivity and Its Applications</i> , <b>1999</b> , 320, 213-217	1.3	6

32	Van Hove singularity in Raman scattering spectra of high-T <sub>c</sub> superconductors. <i>Physics of the Solid State</i> , <b>1998</b> , 40, 23-26	0.8	1
31	Superconducting gap observed in Raman spectra of Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+x</sub> . <i>Physics of the Solid State</i> , <b>1998</b> , 40, 914-916	0.8	4
30	Low energy Raman continua of La <sub>2-x</sub> Sr <sub>x</sub> Cu <sub>2</sub> O <sub>4</sub> high-T <sub>c</sub> superconductors: polarization, doping and temperature dependences. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>1998</b> , 248, 423-430	2.3	7
29	Optical study of the Mott transition in V <sub>2</sub> O <sub>3</sub> : Comparison of time- and frequency-domain results. <i>Physical Review B</i> , <b>1998</b> , 58, 12789-12794	3.3	25
28	Extended Van Hove Singularity in Raman Spectra of High-T <sub>c</sub> Superconductors. <i>International Journal of Modern Physics B</i> , <b>1998</b> , 12, 2455-2473	1.1	8
27	Superconducting gap anisotropy and phonon anomalies in single crystal NdBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> . <i>Physical Review B</i> , <b>1997</b> , 56, 9116-9121	3.3	13
26	Study of electronic raman continua in single crystal Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+x</sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>1997</b> , 288, 115-120	1.3	7
25	Raman-scattering evidence for free spinons in the one-dimensional spin-1/2 chains of Sr <sub>2</sub> CuO <sub>3</sub> and SrCuO <sub>2</sub> . <i>Physical Review B</i> , <b>1996</b> , 53, R14733-R14736	3.3	26
24	Raman study of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> single crystals grown by a pulling technique: Overdoped, underdoped, and nonsuperconducting state. <i>Physical Review B</i> , <b>1995</b> , 51, 1346-1349	3.3	11
23	Landau damping in high-temperature superconductors. <i>Physical Review B</i> , <b>1995</b> , 51, 1326-1329	3.3	5
22	RANDOM POTENTIAL INFLUENCE ON PHONON RAMAN SCATTERING IN HIGH-TEMPERATURE SUPERCONDUCTORS. <i>International Journal of Modern Physics B</i> , <b>1994</b> , 08, 3371-3388	1.1	7
21	Electronic Raman scattering in differently doped high-T <sub>c</sub> materials. <i>Physica B: Condensed Matter</i> , <b>1994</b> , 194-196, 1539-1540	2.8	4
20	Raman-active finite-wavevector excitations experimental evidence and theoretical treatment. <i>Physica C: Superconductivity and Its Applications</i> , <b>1994</b> , 222, 219-226	1.3	16
19	Far-infrared studies of residual unpaired carriers in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> crystals. <i>Physica C: Superconductivity and Its Applications</i> , <b>1994</b> , 235-240, 1109-1110	1.3	3
18	How phonon damping in high - temperature superconductors manifests itself in Raman scattering?. <i>Physica C: Superconductivity and Its Applications</i> , <b>1994</b> , 235-240, 1157-1158	1.3	
17	Origin of the phonon anomalies in the C-axis optical spectrum of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> crystals. <i>Physica C: Superconductivity and Its Applications</i> , <b>1994</b> , 235-240, 1171-1172	1.3	1
16	Raman study of ortho-II phase of the YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> single crystal: Role of local oxygen ordering in the doping. <i>Solid State Communications</i> , <b>1994</b> , 92, 877-882	1.6	13
15	Inelastic light scattering from electronic and phononic excitations in normal and superconducting Tl <sub>2</sub> Ba <sub>2</sub> CuO <sub>6</sub> single crystals. <i>Physical Review B</i> , <b>1993</b> , 47, 3450-3453	3.3	38



14	Raman Phonons in Cuprate Superconductors. <i>Springer Series in Solid-state Sciences</i> , <b>1993</b> , 198-199	0.4	
13	RESONANT PROPERTIES OF INELASTIC LIGHT SCATTERING IN Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8-x</sub> SUPERCONDUCTING SINGLE CRYSTALS. <i>Modern Physics Letters B</i> , <b>1992</b> , 06, 1137-1143	1.6	5
12	Resonant dependences of Raman scattering in Y <sub>1</sub> Ba <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> at different oxygen content. <i>Physica C: Superconductivity and Its Applications</i> , <b>1991</b> , 185-189, 1025-1026	1.3	4
11	Effect of high pressure on raman spectra of Tl-based superconducting crystals. <i>High Pressure Research</i> , <b>1991</b> , 7, 44-46	1.6	
10	On the mixing of vibrational modes in high-T <sub>c</sub> superconductors. <i>Physics Reports</i> , <b>1990</b> , 194, 387-395	27.7	25
9	Raman study of Tl-based superconducting single crystals: Phonons assignment and temperature dependence. <i>Physica C: Superconductivity and Its Applications</i> , <b>1989</b> , 160, 147-154	1.3	22
8	Manifestation of the orthorhombic symmetry in Raman spectra of untwinned single crystals of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>1989</b> , 157, 341-345	1.3	15
7	Raman scattering peculiarities in high-T <sub>c</sub> superconductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>1989</b> , 162-164, 1249-1250	1.3	
6	Light scattering spectroscopy of Tl-based superconductors: phonon and electronic excitations. <i>Physica C: Superconductivity and Its Applications</i> , <b>1989</b> , 162-164, 1409-1414	1.3	20
5	Raman spectra of Tl <sub>2</sub> Ba <sub>2</sub> CuO <sub>6-<math>\delta</math></sub> crystals under pressure up to 20 GPa. <i>Solid State Communications</i> , <b>1989</b> , 72, 465-467	1.6	9
4	Phonon-mode characterization of orthorhombic and tetragonal YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> single crystals by Raman spectroscopy. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>1989</b> , 6, 440	1.7	15
3	Raman study of lattice modes in the orthorhombic and tetragonal YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> single crystals. <i>Physica C: Superconductivity and Its Applications</i> , <b>1988</b> , 153-155, 286-287	1.3	4
2	Raman scattering in single crystal La <sub>2</sub> CuO <sub>4</sub> . <i>Solid State Communications</i> , <b>1988</b> , 66, 1077-1078	1.6	17
1	Initiation of fluorine reaction with hydrogen with the action of pulsed laser radiation on the surface of a reaction vessel. <i>Combustion, Explosion and Shock Waves</i> , <b>1982</b> , 18, 380-382	1	