

# Oleg Misochko

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/2117712/oleg-misochko-publications-by-citations.pdf>

**Version:** 2024-04-26

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

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

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	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
138	Temperature dependence of coherent A <sub>1g</sub> and E <sub>g</sub> phonons of bismuth. <i>Journal of Applied Physics</i> , <b>2006</b> , 100, 093501	2.5	48
137	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
136	Dynamics of low-frequency phonons in the YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> superconductor studied by time- and frequency-domain spectroscopies. <i>Physical Review B</i> , <b>2000</b> , 61, 4305-4313	3.3	39
135	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
134	On the nature of 'coherent artifact'. <i>Journal of Experimental and Theoretical Physics</i> , <b>2005</b> , 100, 272-282	1	37
133	Coherent A <sub>1g</sub> and E <sub>g</sub> phonons of antimony. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 123505	2.5	33
132	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
131	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
130	Two crossovers in the Pseudogap regime of YBa <sub>2</sub> Cu <sub>3</sub> O (7- $\delta$ ) superconductors observed by ultrafast spectroscopy. <i>Physical Review Letters</i> , <b>2002</b> , 89, 067002	7.4	29
129	Coherent phonons and their properties. <i>Journal of Experimental and Theoretical Physics</i> , <b>2001</b> , 92, 246-259		26
128	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
127	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
126	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
125	Ultrafast photoinduced structure phase transition in antimony single crystals. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	23
124	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
123	Coherent Lattice Oscillations in Solids and Their Optical Control. <i>Springer Series in Chemical Physics</i> , <b>2010</b> , 23-46	0.3	23

122	Raman study of TI-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
121	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
120	Superconductivity-induced phonon anomalies in high-Tc superconductors: A Raman intensity study. <i>Physical Review B</i> , <b>1999</b> , 59, 11495-11501	3.3	20
119	Light scattering spectroscopy of TI-based superconductors: phonon and electronic excitations. <i>Physica C: Superconductivity and Its Applications</i> , <b>1989</b> , 162-164, 1409-1414	1.3	20
118	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
117	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
116	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
115	Fano interference for large-amplitude coherent phonons in bismuth. <i>Journal of Physics Condensed Matter</i> , <b>2007</b> , 19, 156227	1.8	18
114	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
113	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
112	Ultrafast phonon dynamics of epitaxial atomic layers of Bi on Si(111). <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	16
111	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
110	Implication of phase-dependent noise of coherent phonons in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> . <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2000</b> , 269, 97-102	2.3	16
109	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
108	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
107	Phonon autoecho in bismuth and antimony single crystals. <i>JETP Letters</i> , <b>2003</b> , 78, 75-79	1.2	15
106	Resonant electronic Raman scattering in high-Tc superconductors. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	15
105	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

104	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
103	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
102	Nonclassical states of lattice excitations: squeezed and entangled phonons. <i>Physics-Uspekhi</i> , <b>2013</b> , 56, 868-882	2.8	14
101	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
100	Ultrafast electronic dynamics in laser-excited crystalline bismuth. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 033502	2.5	13
99	Direct observation of two-phonon bound states in ZnTe. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	13
98	Superconducting gap anisotropy and phonon anomalies in single crystal NdBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> . <i>Physical Review B</i> , <b>1997</b> , 56, 9116-9121	3.3	13
97	Raman study of ortho-II phase of the YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></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
96	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
95	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
94	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
93	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
92	Ultrafast coherent lattice and incoherent carrier dynamics in bismuth: time-domain results. <i>Laser Physics</i> , <b>2014</b> , 24, 094004	1.2	10
91	Investigation of ultrafast processes in photoexcited bismuth by broadband probing in the wavelength range 0.40-9 $\mu$ m. <i>Journal of Experimental and Theoretical Physics</i> , <b>2010</b> , 111, 431-439	1	10
90	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
89	Electronic Raman scattering in disordered Bi <sub>2</sub> Sr <sub>2</sub> Ca(Cu <sub>1-x</sub> Fe <sub>x</sub> ) <sub>2</sub> O <sub>8</sub> —impurity scattering effects. <i>Physical Review B</i> , <b>1999</b> , 59, 11183-11186	3.3	10
88	Femtosecond study of A <sub>1g</sub> 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
87	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

86	Raman spectra of $Tl_2Ba_2CuO_6$ crystals under pressure up to 20 GPa. <i>Solid State Communications</i> , <b>1989</b> , 72, 465-467	1.6	9
85	Coherent optical phonons of ZnO under near resonant photoexcitation. <i>Journal of Physics Condensed Matter</i> , <b>2010</b> , 22, 465803	1.8	8
84	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
83	Fano interference with the alternating asymmetry parameter in time-domain experiments. <i>JETP Letters</i> , <b>2005</b> , 82, 426-430	1.2	8
82	Resonant electronic Raman scattering in optimally doped $Bi_2Sr_2CaCu_2O_{8+x}$ superconductor. <i>Journal of Physics Condensed Matter</i> , <b>2000</b> , 12, 9095-9105	1.8	8
81	Extended Van Hove Singularity in Raman Spectra of High-Tc Superconductors. <i>International Journal of Modern Physics B</i> , <b>1998</b> , 12, 2455-2473	1.1	8
80	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
79	Features of coherent phonons of the strong topological insulator $Bi_2Te_3$ . <i>JETP Letters</i> , <b>2015</b> , 102, 235-241		7
78	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
77	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
76	Study of electronic raman continua in single crystal $Bi_2Sr_2CaCu_2O_{8+x}$ . <i>Physica C: Superconductivity and Its Applications</i> , <b>1997</b> , 288, 115-120	1.3	7
75	Low energy Raman continua of $La_{2-x}Sr_xCu_2O_4$ high-Tc 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
74	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
73	Pairing symmetry and localization probed by electronic Raman scattering in disordered high-Tc superconductors. <i>Physical Review B</i> , <b>1999</b> , 60, 1326-1331	3.3	7
72	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
71	Progress in Ultrafast Intense Laser Science. <i>Springer Series in Chemical Physics</i> , <b>2010</b> ,	0.3	7
70	Probing the Fluctuations of Optical Properties in Time-Resolved Spectroscopy. <i>Physical Review Letters</i> , <b>2017</b> , 119, 187403	7.4	6
69	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

68	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
67	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
66	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
65	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
64	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
63	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
62	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
61	Landau damping in high-temperature superconductors. <i>Physical Review B</i> , <b>1995</b> , 51, 1326-1329	3.3	5
60	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
59	Ultrafast broadband spectroscopy of crystalline bismuth. <i>Quantum Electronics</i> , <b>2013</b> , 43, 313-319	1.8	4
58	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
57	Two-electron pulses of a photomultiplier and two-photon photoeffect. <i>Quantum Electronics</i> , <b>2008</b> , 38, 710-723	1.8	4
56	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-<math>\delta</math></sub> . <i>Physics of the Solid State</i> , <b>2001</b> , 43, 1195-1198	0.8	4
55	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
54	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
53	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
52	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
51	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

50	Raman study of lattice modes in the orthorhombic and tetragonal YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> single crystals. <i>Physica C: Superconductivity and Its Applications</i> , <b>1988</b> , 153-155, 286-287	1.3	4
49	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
48	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
47	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
46	Electronic Raman scattering in high-temperature superconductors. <i>Physics-Usppekhi</i> , <b>2003</b> , 46, 373-392	2.8	3
45	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
44	Raman intensity of A <sub>1g</sub> phonons in dx <sub>2-y<sup>2</sup></sub> superconductors. <i>Physical Review B</i> , <b>2001</b> , 63,	3.3	3
43	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
42	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
41	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
40	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
39	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
38	A new technique for measuring light statistics. <i>Measurement Science and Technology</i> , <b>2001</b> , 12, 736-739	2	2
37	Photoinduced Ultrafast Symmetry Switch in SnSe.. <i>Journal of Physical Chemistry Letters</i> , <b>2022</b> , 13, 442-448	0.4	2
36	Multimode Semiconductor Laser: Quantum Versus Classical Behavior. <i>Journal of Russian Laser Research</i> , <b>2019</b> , 40, 64-70	0.7	2
35	Phase estimation algorithm for the multibeam optical metrology. <i>Scientific Reports</i> , <b>2020</b> , 10, 8715	4.9	1
34	Study of Thermal and Coherent A <sub>1g</sub> Phonons in Bismuth Telluride. <i>Journal of Experimental and Theoretical Physics</i> , <b>2018</b> , 126, 64-75	1	1
33	Excitation and Time-Evolution of Coherent Optical Phonons <b>2010</b> , 213-237		1

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	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
30	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
29	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
28	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
27	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
26	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
25	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> . <i>Physica C: Superconductivity and Its Applications</i> , <b>1994</b> , 235-240, 1171-1172	1.3	1
24	Large-amplitude coherent phonons in semimetals. <i>Springer Series in Chemical Physics</i> , <b>2009</b> , 229-231	0.3	1
23	Coherent A <sub>1g</sub> and E <sub>g</sub> Phonons of Antimony. <i>Springer Series in Chemical Physics</i> , <b>2009</b> , 220-222	0.3	1
22	A Triple Correlator of Radiation Intensities of a Multimode Semiconductor Laser. <i>Optics</i> , <b>2020</b> , 1, 32-39	1.1	1
21	Electronic Raman scattering in high-temperature superconductors. <i>Uspekhi Fizicheskikh Nauk</i> , <b>2003</b> , 173, 385	0.5	0
20	Ultrafast carrier dynamics of Bi <sub>2</sub> O <sub>2</sub> Se nanoplates in the nonlinear excitation regime. <i>Chemical Physics</i> , <b>2021</b> , 541, 111017	2.3	0
19	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	
18	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	
17	Ultrafast electronic dynamics in laser-excited crystalline bismuth. <i>EPJ Web of Conferences</i> , <b>2013</b> , 41, 04006		
16	Manipulation of Squeezed Two-Phonon Bound States using Femtosecond Laser Pulses. <i>EPJ Web of Conferences</i> , <b>2013</b> , 41, 04019	0.3	
15	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	



- 14 Nonequilibrium phase transition in v-group semimetals, induced by ultrashort laser pulses. *Bulletin of the Russian Academy of Sciences: Physics*, **2010**, 74, 589-591 0.4
- 13 Coherent crystallization of bismuth under strong excitation by ultrashort laser pulses. *Bulletin of the Russian Academy of Sciences: Physics*, **2010**, 74, 1043-1045 0.4
- 12 Nonlinear lattice dynamics of bismuth as a means of clarifying the nature of coherent phonons. *Bulletin of the Russian Academy of Sciences: Physics*, **2008**, 72, 1117-1119 0.4
- 11 Manifestations of the two-quantum photoeffect and photon statistics in the photoelectron multiplier pulse amplitude distribution. *Journal of Experimental and Theoretical Physics*, **2001**, 93, 1168-1177 1.7
- 10 How phonon damping in high - temperature superconductors manifests itself in Raman scattering?. *Physica C: Superconductivity and Its Applications*, **1994**, 235-240, 1157-1158 1.3
- 9 Effect of high pressure on raman spectra of T1-based superconducting crystals. *High Pressure Research*, **1991**, 7, 44-46 1.6
- 8 Raman scattering peculiarities in high-T<sub>c</sub> superconductors. *Physica C: Superconductivity and Its Applications*, **1989**, 162-164, 1249-1250 1.3
- 7 Initiation of fluorine reaction with hydrogen with the action of pulsed laser radiation on the surface of a reaction vessel. *Combustion, Explosion and Shock Waves*, **1982**, 18, 380-382 1
- 6 New Evidence for a Nonclassical Behavior of Laser Multimode Light. *Optics*, **2022**, 3, 46-52 1.1
- 5 Observation of a hysteretic pseudogap behavior via coherent phonons in high temperature superconductors. *Springer Series in Chemical Physics*, **2003**, 368-370 0.3
- 4 Amplitude Collapse -Revival of Chirped Coherent Phonons under High-density Optical Excitation. *Springer Series in Chemical Physics*, **2005**, 248-250 0.3
- 3 Raman Phonons in Cuprate Superconductors. *Springer Series in Solid-state Sciences*, **1993**, 198-199 0.4
- 2 Coherent Lattice Oscillations in Solids and Their Optical Control. *Springer Series in Chemical Physics*, **2010**, 47-63 0.3
- 1 Attosecond-Resolved Coherent Control of Lattice Vibrations in Thermoelectric SnSe.. *Journal of Physical Chemistry Letters*, **2022**, 2584-2590 6.4