

Alexander P Litvinchuk

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Influence of anharmonicity and interlayer interaction on Raman spectra in mono- and few-layer MoS ₂ : A computational study. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2022, 136, 114999.	1.3	9
2	Structure, electrochemical impedance and Raman spectroscopy of lithium-niobium-titanium-oxide ceramics for LTCC technology. <i>Ceramics International</i> , 2021, 47, 4944-4953.	2.3	16
3	Cubic, hexagonal and tetragonal FeGe _x phases ($x = 1, 1.5, 2$): Raman spectroscopy and magnetic properties. <i>CrystEngComm</i> , 2021, 23, 6506-6517.	1.3	1
4	Colloidal Cu ₂ ZnSnS ₄ -based and Ag-doped Nanocrystals: Synthesis and Raman Spectroscopy Study. <i>Physics and Chemistry of Solid State</i> , 2021, 22, 260-268.	0.3	6
5	Infrared phonon spectroscopy on the Cairo pentagonal antiferromagnet Bi_2O_9 : A study through the pressure-induced structural transition. <i>Physical Review B</i> , 2021, 103, .	1.1	2
6	Raman and X-ray Photoelectron Spectroscopic Study of Aqueous Thiol-Capped Ag-Zn-Sn-S Nanocrystals. <i>Materials</i> , 2021, 14, 3593.	1.3	9
7	The Advantage of Nanowire Configuration in Band Structure Determination. <i>Advanced Functional Materials</i> , 2021, 31, 2105426.	7.8	4
8	Raman spectroscopy and lattice dynamics calculations of tetragonally-structured single crystal zinc phosphide (Zn ₃ P ₂) nanowires. <i>Nanotechnology</i> , 2021, 32, 085704.	1.3	10
9	The Advantage of Nanowire Configuration in Band Structure Determination (Adv. Funct. Mater.) Tj ETQq1 1 0.784314 rgBT / Qoverlock	7.8	0
10	Colloidal Cu-Zn-Sn-Te Nanocrystals: Aqueous Synthesis and Raman Spectroscopy Study. <i>Nanomaterials</i> , 2021, 11, 2923.	1.9	7
11	Band-Mott mixing hybridizes the gap in Fe_2O_8 . <i>Physical Review B</i> , 2021, 104, .	1.1	8
12	Raman tensor of zinc-phosphide (Zn ₃ P ₂): from polarization measurements to simulation of Raman spectra. <i>Physical Chemistry Chemical Physics</i> , 2021, 24, 63-72.	1.3	3
13	Spectroscopic and first principle DFT study of complex structural, electronic, and vibrational properties of M_2O_8 . <i>Physical Review B</i> , 2020, 102, .	1.1	15
14	Structure and vibrational spectra of ReSe ₂ nanoplates. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 1305-1314.	1.2	6
15	Room-temperature skyrmion phase in bulk Cu ₂ OSeO ₃ under high pressures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 8783-8787.	3.3	17
16	Raman and Infrared Phonon Spectra of Novel Nonlinear Optical Materials PbGa ₂ GeS ₆ and PbGa ₂ GeSe ₆ : Experiment and Theory. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 1900700.	0.7	3
17	Raman and infrared phonons in tetragonal ZnP ₂ and CdP ₂ crystals: a density functional study. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 445401.	0.7	2
18	Investigation of High Pressure Phase Transition by Means of Infrared Spectroscopy in the Cairo Frustrated Pentagonal Magnet Bi ₂ Fe ₄ O ₉ . <i>Proceedings (mdpi)</i> , 2019, 26, .	0.2	0

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19	Flexible GaAs solar cells on roll-to-roll processed epitaxial Ge films on metal foils: a route towards low-cost and high-performance III-V photovoltaics. <i>Energy and Environmental Science</i> , 2019, 12, 756-766.	15.6	35
20	Optical properties and lattice dynamics of a novel allotrope of orthorhombic elemental germanium. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 135401.	0.7	3
21	Direct synthesis of biaxially textured nickel disilicide thin films by magnetron sputter deposition on low-cost metal tapes for flexible silicon devices. <i>Applied Physics Letters</i> , 2019, 114, 083502.	1.5	2
22	Lattice dynamical probe of phase transformations in niobium oxyfluoride Nb ₂ O ₂ F ₃ . <i>Physical Review B</i> , 2018, 97, .	1.1	0
23	Raman Scattering Study of Mixed Quaternary Ag _x Ga _x Ge _{1-x} Se ₂ (0.167 ≤ x ≤ 0.333) Crystals. <i>Physica Status Solidi (B): Basic Research</i> , 2018, 255, 1700230.	0.7	5
24	Narrow Gap Semiconducting Germanium Allotrope from the Oxidation of a Layered Zintl Phase in Ionic Liquids. <i>Journal of the American Chemical Society</i> , 2018, 140, 6785-6788.	6.6	16
25	Experimental and theoretical study of Raman scattering spectra of ternary chalcogenides Tl ₄ HgI ₆ , Tl ₄ HgBr ₆ , and TlHgCl ₃ . <i>Journal of Raman Spectroscopy</i> , 2018, 49, 1840-1848.	1.2	7
26	Vibrational spectroscopy of orthorhombic Cu ₂ ZnSiS ₄ single crystal: Low-temperature polarized Raman scattering and first principle calculations. <i>Vibrational Spectroscopy</i> , 2017, 89, 81-84.	1.2	5
27	Structural Polymorphism in Kesterite-Cu ₂ ZnSnS ₄ : Raman Spectroscopy and First-Principles Calculations Analysis. <i>Inorganic Chemistry</i> , 2017, 56, 3467-3474.	1.9	84
28	Pressure-Temperature Phase Diagram Reveals Spin-Lattice Interactions in Co[N(CN) ₂] ₂ . <i>Inorganic Chemistry</i> , 2017, 56, 4950-4955.	1.9	3
29	A high-temperature stable spectrally-selective solar absorber based on cermet of titanium nitride in SiO ₂ deposited on lanthanum aluminate. <i>Solar Energy Materials and Solar Cells</i> , 2017, 160, 12-17.	3.0	76
30	An effect of spin excitations on the infrared-active phonons in YbA ₂ Cu ₄ O ₈ and YbA ₂ Cu ₃ O ₇₋₅ superconductors. , 2017, , .		0
31	Crystal structure and vibrational properties of Cu ₂ ZnSiSe ₄ quaternary semiconductor. <i>Physica Status Solidi (B): Basic Research</i> , 2016, 253, 1808-1815.	0.7	22
32	Optical properties of quaternary kesterite-type Cu ₂ Zn(Sn _x Ge _{1-x})S ₄ crystalline alloys: Raman scattering, photoluminescence and first-principle calculations. <i>RSC Advances</i> , 2016, 6, 67756-67763.	1.7	25
33	Lattice Dynamics of the Rhombohedral Polymorphs of CaSi ₂ . <i>Inorganic Chemistry</i> , 2016, 55, 10203-10207.	1.9	35
34	Eu ³⁺ -Doped Wide Band Gap Zn ₂ SnO ₄ Semiconductor Nanoparticles: Structure and Luminescence. <i>Journal of Physical Chemistry C</i> , 2016, 120, 18887-18894.	1.5	43
35	Thin-Film Transistors: High-Performance Flexible Thin-Film Transistors Based on Single-Crystal-Like Germanium on Glass (Adv. Electron. Mater. 8/2016). <i>Advanced Electronic Materials</i> , 2016, 2, .	2.6	1
36	Optical properties and lattice dynamics of CuZnGeSe quaternary semiconductor: A density-functional study. <i>Physica Status Solidi (B): Basic Research</i> , 2016, 253, 323-328.	0.7	17

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37	High-performance Flexible Thin-film Transistors Based on Single-crystal-like Germanium on Glass. <i>Advanced Electronic Materials</i> , 2016, 2, 1600041.	2.6	31
38	Optical phonons in the kesterite $\text{Cu}_2\text{ZnGeS}_4$ semiconductor: polarized Raman spectroscopy and first-principle calculations. <i>RSC Advances</i> , 2016, 6, 13278-13285.	1.7	35
39	Fermi resonance in the phonon spectra of quaternary chalcogenides of the type $\text{Cu}_2\text{ZnGeS}_4$. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 065401.	0.7	27
40	Local Lattice Distortions in $\text{Mn}[\text{N}(\text{CN})_2]_2$ under Pressure. <i>Inorganic Chemistry</i> , 2016, 55, 1956-1961.	1.9	13
41	Synthesis, crystal structures, magnetic properties, and lattice dynamics of $\text{Ba}_2\text{XCu}(\text{OH})[\text{V}_2\text{O}_7]$ with $\text{X}=\text{Cl}, \text{Br}$. <i>Journal of Solid State Chemistry</i> , 2016, 236, 69-77.	1.4	8
42	Optical properties, lattice dynamics, and structural phase transition in hexagonal HfO_3 crystals. <i>Physical Review B</i> , 2015, 92, .	1.1	12
43	$\text{Nb}_2\text{O}_2\text{F}_3$: A Reduced Niobium (III/IV) Oxyfluoride with a Complex Structural, Magnetic, and Electronic Phase Transition. <i>Journal of the American Chemical Society</i> , 2015, 137, 636-639.	6.6	23
44	$\text{BaMn}_9[\text{VO}_4]_6(\text{OH})_2$: A Unique Canted Antiferromagnet with a Chiral Paddle-Wheel Structural Feature. <i>Inorganic Chemistry</i> , 2015, 54, 898-904.	1.9	14
45	A high-performance spectrally-selective solar absorber based on a yttria-stabilized zirconia cermet with high-temperature stability. <i>Energy and Environmental Science</i> , 2015, 8, 3040-3048.	15.6	102
46	Raman Scattering Study of Cu_3SnS_4 Colloidal Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2014, 118, 27554-27558.	1.5	48
47	Infrared-active optical phonons and magnetic excitations in the hexagonal manganites $\text{R}_3\text{Mn}_3\text{O}_{10}$ ($\text{R}=\text{Ca}, \text{Sr}, \text{Ba}$). <i>Physical Review B</i> , 2014, 89, .	1.1	12
48	Electronic structure, optical properties, and lattice dynamics of orthorhombic $\text{Cu}_2\text{CdGeS}_4$ and $\text{Cu}_2\text{Ag}_2\text{S}_4$. <i>Physical Review B</i> , 2014, 89, .	1.1	6
49	$\text{Ag}_2\text{S}_2(\text{M}^{2+})_2/3[\text{VO}_4]_2$: Synthesis, Magnetic Properties, and Lattice Dynamics of Honeycomb-Type Lattices. <i>Inorganic Chemistry</i> , 2014, 53, 4994-5001.	1.9	14
50	Raman scattering in orthorhombic Cu_2SnS_4 nanocrystals. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 195-199.	0.8	24
51	Lattice dynamics and spin-phonon coupling in CaMn_2O_4 : A Raman study. <i>Physical Review B</i> , 2014, 89, .	1.1	6
52	Optical phonons in the wurtzite $\text{Cu}_2\text{ZnGeS}_4$ semiconductor: Polarized Raman spectroscopy and first-principle calculations. <i>Physical Review B</i> , 2014, 89, .	1.1	24
53	Lattice dynamics of Ti-based pnictide superconductors $\text{Ba}_{1-x}\text{NaxTi}_2\text{Sb}_2\text{O}$. <i>Physical Review B</i> , 2013, 87, .	1.1	5
54	Electron-Phonon and Magnetoelastic Interactions in Ferromagnetic $\text{Co}_2\text{N}_2\text{CN}_2$. <i>Physical Review B</i> , 2013, 87, .	1.1	5

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55	Phonon and magnon Raman scattering in CuB_2O_7 . Physical Review B, 2013, 88, .	1.1	10
56	Pressure-Induced Local Lattice Distortions in $\text{LiCo}[\text{N}(\text{CN})_2]_2$. Inorganic Chemistry, 2013, 52, 14148-14154.	1.9	8
57	Raman and infrared spectra of brookite (TiO_2): Experiment and theory. Vibrational Spectroscopy, 2013, 64, 148-152.	1.2	98
58	Second-order Raman scattering in CuO . Journal of Physics Condensed Matter, 2013, 25, 105402.	0.7	17
59	Quantum Critical Transition Amplifies Magnetoelastic Coupling in MnCN . Physical Review Letters, 2013, 110, 177201.	2.9	17
60	Thermoelectric properties of $\text{Zn}_5\text{Sb}_4\text{In}_2\text{F}_7$ ($\tilde{\rho} = 0.15$). Journal of Applied Physics, 2012, 111, 123712.	1.1	5
61	Electronic band structure and optical phonons of BaSnO_3 and $\text{Ba}_{0.97}\text{La}_{0.03}\text{SnO}_3$ single crystals: Theory and experiment. Journal of Applied Physics, 2012, 112, .	1.1	75
62	Crystal Structure and Vibrational Properties of a Sodium Oxoferrate(II) Hydroxide, $\text{Na}_5[\text{FeO}_3]_3[\text{OH}]$. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 2087-2092.	0.6	4
63	Electronic Excitations and Lattice Dynamics of Coordinatively Unsaturated Complex Transition Metal Compounds. Inorganic Chemistry, 2012, 51, 5822-5830.	1.9	2
64	Infrared response of $\tilde{\rho}$ - and $\tilde{\rho}^2$ -phases of LiFe_5O_8 . Physical Review B, 2011, 84, .	1.1	6
65	Lattice dynamics of the $\tilde{\rho}$ - and $\tilde{\rho}^2$ -phases of LiFe_5O_8 . Physical Review B, 2011, 84, .	1.1	25
66	Electronic structure, optical properties and lattice dynamics of $\text{MgSO}_3 \cdot 6\text{H}_2\text{O}$. Journal of Physics Condensed Matter, 2011, 23, 485401.	0.7	0
67	Raman scattering study of electron-doped $\text{Pr}_x\text{Ca}_{1-x}\text{Fe}_2\text{As}_2$ superconductors. Physical Review B, 2011, 84, .	1.1	15
68	Phonon and magnon scattering of antiferromagnetic Bi_2O_7 . Physical Review B, 2010, 81, .	1.1	107
69	Lattice dynamical probe of charge order and antipolar bilayer stacking in LuFe_2O_7 . Physical Review B, 2010, 81, .	1.1	37
70	Two-magnon Raman scattering from the Cu_3O . Physical Review B, 2010, 81, .	1.1	37

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73	Raman spectroscopy of MnWO_4 . Physical Review B, 2009, 80, .	1.1	52
74	Optical and electronic properties of metal doped thermoelectric Zn_4Sb_3 . Journal of Applied Physics, 2008, 103, 123524.	1.1	34
75	Crystal field effect in YbMnO_3 . Journal of Alloys and Compounds, 2008, 451, 662-665.	2.8	22
76	Spin-Lattice Interactions Mediated by Magnetic Field. Physical Review Letters, 2008, 100, 177205.	2.9	27
77	Raman-scattering study of $\text{K}_x\text{Mn}_2\text{O}_7$. Physical Review B, 2008, 78, .	1.1	18
78	Magnetoelastic coupling in DyMn_2O_7 infrared spectroscopy. Physical Review B, 2008, 78, .	2.1	24
79	Near band-edge luminescence and evidence of the weakening of the N-conduction-band coupling for partially relaxed and high nitrogen composition $\text{GaAs}_{1-x}\text{N}_x$ epilayers. Journal of Applied Physics, 2007, 102, 073716.	1.1	6
80	Multiple-order Raman scattering from rare-earth manganites: Oxygen isotope and rare-earth substitution effects. Physical Review B, 2007, 75, .	1.1	18
81	Optical and electronic properties of thermoelectric Zn_4Sb_3 across the low-temperature phase transitions. Applied Physics Letters, 2007, 90, 181920.	1.5	6
82	Raman spectroscopy of ordered double perovskite $\text{La}_2\text{CoMnO}_6$ thin films. Physical Review B, 2007, 75, .	1.1	178
83	Raman spectroscopy of low-temperature (Pnma) and high-temperature ($R\bar{3}c$) phases of LaCrO_3 . Physical Review B, 2006, 74, .	1.1	72
84	Growth and characterization of InAs layers obtained by liquid phase epitaxy from Bi solvents. Semiconductor Science and Technology, 2006, 21, 544-549.	1.0	17
85	Comparative Raman studies of , and. Physica B: Condensed Matter, 2005, 358, 138-152.	1.3	25
86	Raman spectroscopy of $\text{Ca}_3\text{Ru}_2\text{O}_7$: Phonon line assignment and electron scattering. Physical Review B, 2005, 71, .	1.1	12
87	Temperature-dependent Raman spectra of HoMn_2O_5 and TbMn_2O_5 . Physical Review B, 2005, 71, .	1.1	60
88	Structural, transport, magnetic properties and Raman spectroscopy of orthorhombic $\text{Y}_{1-x}\text{Ca}_x\text{MnO}_3$ ($0 \leq x \leq 0.5$). Journal of Physics Condensed Matter, 2005, 17, 3333-3341.	0.7	32
89	Phonons and magnetic excitations in the Mott insulator LaTiO_3 . Physical Review B, 2004, 69, .	1.1	21
90	Near band-edge and excitonic behavior of GaAsN epilayers grown by Chemical Beam Epitaxy. Materials Research Society Symposia Proceedings, 2004, 829, 66.	0.1	3

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91	Charge and lattice dynamics of ordered state in $\text{La}_{1/2}\text{Ca}_{1/2}\text{MnO}_3$: infrared reflection spectroscopy study. <i>Solid State Communications</i> , 2004, 132, 309-313.	0.9	3
92	Raman phonons and ageing-related surface disorder in Na_xCoO_2 . <i>Physica C: Superconductivity and Its Applications</i> , 2004, 402, 239-242.	0.6	48
93	Raman and infrared-active phonons in hexagonal HoMnO_3 single crystals: magnetic ordering effects. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 809-819.	0.7	89
94	Field-Induced Reentrant Novel Phase and a Ferroelectric-Magnetic Order Coupling in HoMnO_3 . <i>Physical Review Letters</i> , 2004, 92, 087204.	2.9	192
95	Structure stability of short-period InAs/AlSb superlattices. <i>Journal of Crystal Growth</i> , 2003, 251, 547-550.	0.7	4
96	Optical properties of high-dielectric-constant $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ films. <i>Physica Status Solidi A</i> , 2003, 195, 453-458.	1.7	47
97	Comment on "Anomalously Broad Raman Scattering Spectrum due to Two-Magnon Excitation in Hexagonal YMnO_3 ". <i>Physical Review Letters</i> , 2003, 90, 069701.	2.9	5
98	Raman spectroscopy of CaRuO_3 . <i>Physical Review B</i> , 2002, 66, .	1.1	18
99	Raman spectroscopy of $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$. <i>Physical Review B</i> , 2002, 66, .	1.1	144
100	Microtwinning of Epitaxial CaRuO_3 Thin Films: A Raman Study. <i>Physica Status Solidi A</i> , 2002, 191, R7-R9.	1.7	0
101	Far-infrared analysis of lattice vibrations in ZnSe/ZnCdSe superlattices. <i>Solid State Communications</i> , 2002, 122, 21-24.	0.9	4
102	Carrier dynamics and infrared-active phonons in c-axis oriented $\text{RuSr}_2\text{GdCu}_2\text{O}_8$ film. <i>Physica C: Superconductivity and Its Applications</i> , 2001, 361, 234-238.	0.6	1
103	Raman scattering study of heavily oxygenated $\text{YSr}_2\text{Cu}_3\text{O}_{7+\delta}$ and $\text{AuBa}_2\text{YCu}_2\text{O}_{7+\delta}$ superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2000, 341-348, 2205-2208.	0.6	0
104	Raman phonons in $\text{RuSr}_2\text{GdCu}_2\text{O}_8$. <i>Physica C: Superconductivity and Its Applications</i> , 2000, 341-348, 2209-2212.	0.6	6
105	Optical properties of magnetoresistive $\text{La}_{0.7}\text{Pb}_{0.3}\text{MnO}_3$ single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 2000, 341-348, 2237-2238.	0.6	1
106	Raman scattering in $\text{YBa}_2\text{Cu}_4\text{O}_8$ and $\text{PrBa}_2\text{Cu}_4\text{O}_8$ "indications of pseudogap effects in non-superconducting $\text{PrBa}_2\text{Cu}_4\text{O}_8$. <i>Physica C: Superconductivity and Its Applications</i> , 2000, 341-348, 2251-2252.	0.6	0
107	Raman monitoring of the dynamical Jahn-Teller distortions in rhombohedral antiferromagnetic LaMnO_3 and ferromagnetic magnetoresistive $\text{La}_{0.98}\text{Mn}_{0.96}\text{O}_3$. <i>Physica C: Superconductivity and Its Applications</i> , 2000, 341-348, 2257-2258.	0.6	17
108	Fine structure of the low-frequency Raman phonon bands of single-wall carbon nanotubes. <i>Chemical Physics Letters</i> , 2000, 316, 217-221.	1.2	46

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109	Optical conductivity and infrared-active phonons in RuSr ₂ GdCu ₂ O ₈ . <i>Physical Review B</i> , 2000, 62, 9709-9712.	1.1	9
110	Raman scattering in YBa ₂ Cu ₄ O ₈ and PrBa ₂ Cu ₄ O ₈ : Indications of pseudogap effects in nonsuperconducting PrBa ₂ Cu ₄ O ₈ . <i>Physical Review B</i> , 2000, 61, 7049-7054.	1.1	16
111	Crystal structure, electric and magnetic properties, and Raman spectroscopy of Gd ₃ RuO ₇ . <i>Physical Review B</i> , 2000, 62, 12235-12240.	1.1	40
112	Far-infrared reflectivity study of lattice dynamics of narrow-gap HgCdMnTe semiconductors. <i>Semiconductor Science and Technology</i> , 1999, 14, 187-197.	1.0	10
113	Correlation between T _c and oxygen arrangement of the charge reservoir block in (Cu,C)Ba ₂ Ca ₂ Cu ₃ O ₉ : A Raman study. <i>Physical Review B</i> , 1999, 59, 9611-9616.	1.1	2
114	Raman spectroscopy of SrRuO ₃ near the paramagnetic-to-ferromagnetic phase transition. <i>Physical Review B</i> , 1999, 59, 364-368.	1.1	75
115	Magnetic Excitations in PrBa ₂ Cu ₄ O ₈ Explored by Raman Scattering. <i>Physica Status Solidi (B): Basic Research</i> , 1999, 215, 507-512.	0.7	4
116	Raman Spectra of the Half-Metallic Ferromagnet CrO ₂ . <i>Physica Status Solidi (B): Basic Research</i> , 1999, 215, 643-646.	0.7	7
117	Comparative study of optical phonons in the rhombohedrally distorted perovskites LaAlO ₃ and LaMnO ₃ . <i>Physical Review B</i> , 1999, 59, 4146-4153.	1.1	288
118	Raman spectroscopy of ferromagnetic CrO ₂ . <i>Physical Review B</i> , 1999, 60, 33-36.	1.1	50
119	Optical spectroscopic study of PrBa ₂ Cu ₄ O ₈ . <i>Journal of Physics and Chemistry of Solids</i> , 1998, 59, 2000-2002.	1.9	4
120	Raman spectroscopy of YSr ₂ Cu ₃ O ₇ . <i>Journal of Physics and Chemistry of Solids</i> , 1998, 59, 1994-1996.	1.9	6
121	Crystal Structure and Vibrational Spectra of a New Viologen Gold(I) Iodide. <i>Inorganic Chemistry</i> , 1998, 37, 4752-4753.	1.9	38
122	Possibility of a double-well potential formation in diamondlike amorphous carbon. <i>Physical Review B</i> , 1998, 58, 3526-3528.	1.1	5
123	Fröhlich-interaction-induced multiphonon Raman scattering in SrCuO ₂ and Sr _{0.5} Ca _{0.5} CuO ₂ s. <i>Physical Review B</i> , 1997, 55, R8638-R8641.	1.1	28
124	Nd ³⁺ crystal-field transitions studied by Raman and FIR spectroscopies in Nd ₂ BaZnO ₅ s. <i>Physical Review B</i> , 1997, 55, 3568-3573.	1.1	10
125	Superionic behavior of high-temperature superconductors. <i>Physical Review B</i> , 1997, 55, 89-92.	1.1	7
126	Optical phonons in the orthorhombic double-chain Sr _{1-x} CaxCuO ₂ (x=0, 0.5). <i>Physical Review B</i> , 1997, 55, 9136-9141.	1.1	11

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127	Optical properties of Nd ³⁺ in Nd ₂ BaZnO ₅ . Physical Review B, 1997, 55, 6871-6879.	1.1	7
128	Crystal-Field Transitions of Nd ³⁺ and Er ³⁺ in Perovskite-Type Crystals. Materials Science Forum, 1997, 258-263, 1589-1594.	0.3	0
129	A Vibrational Spectroscopic Study of Endohedral Li@C ₆₀ Fullerenes*. Zeitschrift Fur Physikalische Chemie, 1997, 200, 157-164.	1.4	17
130	Luminescence properties of Nd ₂ BaZnO ₅ . Journal of Luminescence, 1997, 72-74, 174-176.	1.5	3
131	Zone-boundary phonons in hexagonal and cubic GaN. Physical Review B, 1997, 55, 7000-7004.	1.1	289
132	Local lattice instability and ionic transport in high-temperature superconductors. Journal of Superconductivity and Novel Magnetism, 1997, 10, 427-429.	0.5	1
133	<title>Superstructure of Bi ₂ Sr ₂ CaCu ₂ O ₈ superconductors: a Raman scattering study</title>. , 1996, , .		2
134	Effects of Zn substitution for Cu on Raman phonon anomalies in double-chain YBa ₂ Cu ₄ O ₈ superconductors. Physical Review B, 1996, 53, 3566-3572.	1.1	10
135	Phonon Raman scattering in Y _{1-x} Pr _x Ba ₂ Cu ₄ O ₈ (x=0-1) and (Y _{1-x} Pr _x) ₂ Ba ₄ Cu ₇ O ₁₅ (x=0-0.6). Physical Review B, 1996, 53, 3590-3597.	1.1	11
136	Substitution of Pr for Y in YBa ₂ Cu ₄ O ₈ and YBa ₂ Cu _{3.5} O _{7.5} superconductors: Phonon modes and charge transfer effects. Journal of Physics and Chemistry of Solids, 1995, 56, 1833.	1.9	0
137	Light scattering from electronic excitations in YNi ₂ B ₂ C. Physical Review B, 1995, 52, 6208-6210.	1.1	10
138	Infrared-active phonons and the superconducting gap of Tc-reduced double-chain YBa ₂ Cu ₄ O ₈ superconductors. Physical Review B, 1994, 50, 1171-1177.	1.1	13
139	Superconducting gap in Pr _x Y _{1-x} Ba ₂ Cu ₄ O ₈ and YBa _{2-y} Sr _y Cu ₄ O ₈ probed by infrared phonon self-energies. Journal of Superconductivity and Novel Magnetism, 1994, 7, 113-116.	0.5	1
140	Anisotropic properties of (110)-YBCO/PrBCO superlattices. Journal of Superconductivity and Novel Magnetism, 1994, 7, 209-211.	0.5	3
141	Temperature dependence of phonon Raman scattering in Y ₂ Ba ₄ Cu ₇ O ₁₅ . Physica C: Superconductivity and Its Applications, 1994, 225, 317-324.	0.6	30
142	Symmetry-dependent phonon interactions in YBa ₂ Cu ₄ O ₈ superconductors: a Raman and infrared spectroscopic study. Physica C: Superconductivity and Its Applications, 1994, 235-240, 1091-1092.	0.6	0
143	Is there a correlation between T _c and the features of the B _{1g} Raman continuum in YBa ₂ Cu ₃ O _{7-δ} ? Physica C: Superconductivity and Its Applications, 1994, 235-240, 1095-1096.	0.6	3
144	INFRARED-ACTIVE VIBRATIONS OF HIGH-TEMPERATURE SUPERCONDUCTORS: EXPERIMENT AND THEORY. , 1994, , 375-469.		15

#	ARTICLE	IF	CITATIONS
145	Evidence for a scaling of the superconducting gap with T_c in $\text{Pr}_x\text{Y}_{1-x}\text{Ba}_2\text{Cu}_4\text{O}_8$. Solid State Communications, 1993, 87, 907-911.	0.9	10
146	Lattice vibrations of $\text{Y}_{1-x}\text{Pr}_x\text{Ba}_2\text{Cu}_3\text{O}_7$: theory and experiment. Physica C: Superconductivity and Its Applications, 1993, 206, 345-359.	0.6	97
147	On a possible charge transfer in superconducting superlattices. Physica C: Superconductivity and Its Applications, 1993, 209, 51-54.	0.6	6
148	Above- T_c anomalies of the infrared-active phonons in $\text{R}\text{Ba}_2\text{Cu}_4\text{O}_8$ ($\text{R}=\text{Dy}, \text{Ho}$) and $\text{Y}_2\text{Ba}_4\text{Cu}_7\text{O}_{15}$? superconductors. European Physical Journal B, 1993, 92, 9-15.	0.6	10
149	Growth and optical study of superconducting superlattices. Journal of Alloys and Compounds, 1993, 195, 187-190.	2.8	1
150	Raman study of $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}/\text{PrBa}_2\text{Cu}_3\text{O}_{7-\delta}$ superlattices. Physical Review B, 1992, 46, 14017-14021.	1.1	27
151	Chain-oxygen vibrations in $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ and $\text{YBa}_2\text{Cu}_4\text{O}_8$. Physical Review B, 1992, 45, 8154-8157.	1.1	27
152	Phonon anomalies above T_c in $\text{YBa}_2\text{Cu}_4\text{O}_8$ and $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ superconductors: An effect of coupling to spin excitations. Solid State Communications, 1992, 83, 343-347.	0.9	92
153	Far-infrared spectroscopy of the superconductor $\text{YBa}_2\text{Cu}_4\text{O}_8$. European Physical Journal B, 1992, 86, 329-335.	0.6	25
154	Lattice defects and thermodynamic properties of $\text{Cd}_{1-x}\text{Pb}_x\text{F}_2$ superionic crystals. Radiation Effects and Defects in Solids, 1991, 119-121, 111-116.	0.4	1
155	Self-energies of infrared-active phonons in $\text{R}\text{Ba}_2\text{Cu}_3\text{O}_{7-\delta}$. Solid State Communications, 1991, 80, 257-262.	0.9	54
156	Infrared reflectivity of $\text{R}\text{Ba}_2\text{Cu}_3\text{O}_{7-\delta}$ superconductors: phonon self-energy effects. Physica C: Superconductivity and Its Applications, 1991, 185-189, 987-988.	0.6	3
157	Optical phonons in T^* -structure $\text{Nd}_2\text{x}\text{Ce}_{1-x}\text{Sr}_y\text{Cu}_4\text{O}_4$. Physical Review B, 1991, 43, 13060-13065.	1.1	9
158	Infrared-active phonons in $\text{La}_2\text{x}\text{Sr}_x\text{CaCu}_2\text{O}_6$. Physical Review B, 1991, 44, 9723-9726.	1.1	2
159	Far-infrared study of phonon anomalies in $\text{R}\text{Ba}_2\text{Cu}_3\text{O}_{7-8}$ and $\text{YBa}_2\text{Cu}_4\text{O}_8$ superconductors. , 1991, , .		0
160	Optical Spectroscopy of the Superionic Crystals. Physica Status Solidi A, 1990, 119, 363-415.	1.7	16
161	Optical properties of new quaternary semimagnetic crystals $\text{Hg}_{1-x}\text{y}\text{Cd}_x\text{MnySe}$: absorption and reflectivity measurements. Semiconductor Science and Technology, 1990, 5, S307-S310.	1.0	8
162	Anion disordering and specific heat of $\text{Cd}_{1-x}\text{Pb}_x\text{F}_2$ superionic crystals. Journal of Physics Condensed Matter, 1989, 1, 929-934.	0.7	14

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163	Anion disordering in Cd _{1-x} Pb _x F ₂ superionic crystals. Solid State Ionics, 1989, 36, 227-229.	1.3	2
164	Resonant secondary emission spectra of optically aligned hot excitons in ZnTe: Effect of the excitation intensity. Journal of Luminescence, 1988, 40-41, 607-608.	1.5	0
165	Lattice dynamics and superionic properties of Cd _{1-x} Pb _x F ₂ crystals. Solid State Communications, 1986, 57, 729-733.	0.9	13
166	Lattice dynamics and ionic conductivity of PbF ₂ :6%LiF superionic crystals. Physica Status Solidi (B): Basic Research, 1986, 134, 495-501.	0.7	9
167	Raman scattering from polaritons and plasmaritons in 6H-SiC. Physica Status Solidi (B): Basic Research, 1986, 135, 75-84.	0.7	0
168	Optical Properties of the Quaternary II-VI Mixed Crystals in the Far Infrared Region. Physica Status Solidi (B): Basic Research, 1985, 128, 389-400.	0.7	14
169	Ionic conductivity and Raman scattering in PbF ₂ superionic crystals. Solid State Communications, 1985, 53, 373-376.	0.9	23
170	The variation of the energy gap with composition in the quaternary alloy system ZnTe _{1-2x} S _x Se _x . Physica Status Solidi (B): Basic Research, 1983, 115, K151.	0.7	4
171	Effect of the pumping intensity on the resonant secondary emission spectra of optically aligned hot excitons in ZnTe crystals. Physica Status Solidi (B): Basic Research, 1983, 116, K61.	0.7	1
172	Resonance of one-phonon and two-phonon states in mixed semiconductors. Journal of Applied Spectroscopy, 1983, 38, 223-227.	0.3	1
173	Resonant Raman scattering in the mixed crystals MgxCd _{1-x} Se. Journal of Applied Spectroscopy, 1982, 36, 91-95.	0.3	0
174	Multiple-Phonon Resonant Raman Scattering in Zn _{1-x} Cd _x Se Crystals. Physica Status Solidi (B): Basic Research, 1981, 104, 743-750.	0.7	14
175	Structure stability of short-period InAs/AlSb superlattices. , 0, , .		0
176	Control of hydrogen for the improvement of optical properties of Ga(In)NAs epilayers grown on GaAs. , 0, , .		0
177	Optical Properties and Lattice Dynamics of Pure and S-Alloyed Cu-Zn-Sn-Te Semiconductors: First-Principles Calculations and Raman Scattering. Physica Status Solidi (B): Basic Research, 0, , 2100618.	0.7	0