

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.	2.7	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.	4.8	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.	2.6	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.	0.8	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, .	3.2	2
6	Raman and X-ray Photoelectron Spectroscopic Study of Aqueous Thiol-Capped Ag-Zn-Sn-S Nanocrystals. <i>Materials</i> , 2021, 14, 3593.	2.9	9
7	The Advantage of Nanowire Configuration in Band Structure Determination. <i>Advanced Functional Materials</i> , 2021, 31, 2105426.	14.9	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.	2.6	10
9	The Advantage of Nanowire Configuration in Band Structure Determination (Adv. Funct. Mater.) Tj ETQq1 1 0.784314.rgBT /Overlock	14.9	0
10	Colloidal Cu-Zn-Sn-Te Nanocrystals: Aqueous Synthesis and Raman Spectroscopy Study. <i>Nanomaterials</i> , 2021, 11, 2923.	4.1	7
11	Band-Mott mixing hybridizes the gap in Fe_2O_8 . <i>Physical Review B</i> , 2021, 104, .	3.2	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.	2.8	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, .	3.2	15
14	Structure and vibrational spectra of ReSe ₂ nanoplates. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 1305-1314.	2.5	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.	7.1	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.	1.5	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.	1.8	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.	30.8	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.	1.8	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.	3.3	2
22	Lattice dynamical probe of phase transformations in niobium oxyfluoride Nb ₂ O ₂ F ₃ . <i>Physical Review B</i> , 2018, 97, .	3.2	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.	1.5	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.	13.7	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.	2.5	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.	2.2	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.	4.0	84
28	Pressure-Temperature Phase Diagram Reveals Spin-Lattice Interactions in Co[N(CN) ₂] ₂ . <i>Inorganic Chemistry</i> , 2017, 56, 4950-4955.	4.0	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.	6.2	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.	1.5	22
32	Optical properties of quaternary kesterite-type Cu ₂ Zn(Sn _{1-x} Ge _x)S ₄ crystalline alloys: Raman scattering, photoluminescence and first-principle calculations. <i>RSC Advances</i> , 2016, 6, 67756-67763.	3.6	25
33	Lattice Dynamics of the Rhombohedral Polymorphs of CaSi ₂ . <i>Inorganic Chemistry</i> , 2016, 55, 10203-10207.	4.0	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.	3.1	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, .	5.1	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.	1.5	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.	5.1	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.	3.6	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.	1.8	27
40	Local Lattice Distortions in $\text{Mn}[\text{N}(\text{CN})_2]_2$ under Pressure. <i>Inorganic Chemistry</i> , 2016, 55, 1956-1961.	4.0	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.	2.9	8
42	Optical properties, lattice dynamics, and structural phase transition in hexagonal HfO_3 crystals. <i>Physical Review B</i> , 2015, 92, .	3.2	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.	13.7	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.	4.0	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.	30.8	102
46	Raman Scattering Study of Cu_3SnS_4 Colloidal Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2014, 118, 27554-27558.	3.1	48
47	Infrared-active optical phonons and magnetic excitations in the hexagonal manganites $\text{R}_3\text{Mn}_3\text{O}_{10}$. <i>Physical Review B</i> , 2014, 89, .	3.2	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, .	3.2	35
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.	4.0	14
50	Raman scattering in orthorhombic Cu_2SnS_4 nanocrystals. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 195-199.	1.8	24
51	Lattice dynamics and spin-phonon coupling in CaMn_2O_4 : A Raman study. <i>Physical Review B</i> , 2014, 89, .	3.2	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, .	3.2	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, .	3.2	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, .	3.2	5

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55	Phonon and magnon Raman scattering in CuB_2O_7 . Physical Review B, 2013, 88, .	3.2	10
56	Pressure-Induced Local Lattice Distortions in LaCoO_2 . Inorganic Chemistry, 2013, 52, 14148-14154.	4.0	8
57	Raman and infrared spectra of brookite (TiO_2): Experiment and theory. Vibrational Spectroscopy, 2013, 64, 148-152.	2.2	98
58	Second-order Raman scattering in CuO . Journal of Physics Condensed Matter, 2013, 25, 105402.	1.8	17
59	Quantum Critical Transition Amplifies Magnetoelastic Coupling in MnCN . Physical Review Letters, 2013, 111, 107401.	7.8	17
60	Thermoelectric properties of $\text{Zn}_5\text{Sb}_4\text{In}_2\text{Te}_7$ ($\tilde{\rho} = 0.15$). Journal of Applied Physics, 2012, 111, 123712.	2.5	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, .	2.5	75
62	Crystal Structure and Vibrational Properties of a Sodium Oxoferrate(II) Hydroxide, $\text{Na}_5[\text{FeO}_3][\text{OH}]$. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 2087-2092.	1.2	4
63	Electronic Excitations and Lattice Dynamics of Coordinatively Unsaturated Complex Transition Metal Compounds. Inorganic Chemistry, 2012, 51, 5822-5830.	4.0	2
64	Infrared response of LiFe_5O_8 . Physical Review B, 2011, 84, .	3.2	6
65	Lattice dynamics of the LiFe_5O_8 and LiFe_2O_7 phases of LiFe_5O_8 . Physical Review B, 2011, 84, .	3.2	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.	1.8	0
67	Raman scattering study of electron-doped $\text{PrCa}_2\text{FeAs}_2$ superconductors. Physical Review B, 2011, 84, .	3.2	15
68	Phonon and magnon scattering of antiferromagnetic Bi_2O_7 . Physical Review B, 2010, 81, .	3.2	107
69	Lattice dynamical probe of charge order and antipolar bilayer stacking in LuFe_2O_7 . Physical Review B, 2010, 81, .	3.2	37
70	Two-magnon Raman scattering from the $\text{Cu}_3\text{O}(\text{OH})_2$. Physical Review B, 2010, 81, .	3.2	37

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73	Raman spectroscopy of MnWO_4 . Physical Review B, 2009, 80, .	3.4	52
74	Optical and electronic properties of metal doped thermoelectric Zn_4Sb_3 . Journal of Applied Physics, 2008, 103, 123524.	2.5	34
75	Crystal field effect in YbMnO_3 . Journal of Alloys and Compounds, 2008, 451, 662-665.	5.5	22
76	Spin-Lattice Interactions Mediated by Magnetic Field. Physical Review Letters, 2008, 100, 177205.	7.8	27
77	Raman-scattering study of K_xMnO_2 . Physical Review B, 2008, 78, .	3.2	18
78	Magnetoelastic coupling in DyMn_2O_7 infrared spectroscopy. Physical Review B, 2008, 78, .	2.2	24
79	Near band-edge luminescence and evidence of the weakening of the N-conduction-band coupling for partially relaxed and high nitrogen composition $\text{GaAs}_{1-x}\text{Nx}$ epilayers. Journal of Applied Physics, 2007, 102, 073716.	2.5	6
80	Multiple-order Raman scattering from rare-earth manganites: Oxygen isotope and rare-earth substitution effects. Physical Review B, 2007, 75, .	3.2	18
81	Optical and electronic properties of thermoelectric Zn_4Sb_3 across the low-temperature phase transitions. Applied Physics Letters, 2007, 90, 181920.	3.3	6
82	Raman spectroscopy of ordered double perovskite $\text{La}_2\text{CoMnO}_6$ thin films. Physical Review B, 2007, 75, .	3.2	178
83	Raman spectroscopy of low-temperature (Pnma) and high-temperature ($R\bar{3}c$) phases of LaCrO_3 . Physical Review B, 2006, 74, .	3.2	72
84	Growth and characterization of InAs layers obtained by liquid phase epitaxy from Bi solvents. Semiconductor Science and Technology, 2006, 21, 544-549.	2.0	17
85	Comparative Raman studies of , and. Physica B: Condensed Matter, 2005, 358, 138-152.	2.7	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, .	3.2	12
87	Temperature-dependent Raman spectra of HoMn_2O_5 and TbMn_2O_5 . Physical Review B, 2005, 71, .	3.2	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.	1.8	32
89	Phonons and magnetic excitations in the Mott insulator LaTiO_3 . Physical Review B, 2004, 69, .	3.2	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.	1.9	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.	1.2	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.	1.8	89
94	Field-Induced Reentrant Novel Phase and a Ferroelectric-Magnetic Order Coupling in HoMnO_3 . <i>Physical Review Letters</i> , 2004, 92, 087204.	7.8	192
95	Structure stability of short-period InAs/AlSb superlattices. <i>Journal of Crystal Growth</i> , 2003, 251, 547-550.	1.5	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 "Anomalous Broad Raman Scattering Spectrum due to Two-Magnon Excitation in Hexagonal YMnO_3 ". <i>Physical Review Letters</i> , 2003, 90, 069701.	7.8	5
98	Raman spectroscopy of CaRuO_3 . <i>Physical Review B</i> , 2002, 66, .	3.2	18
99	Raman spectroscopy of $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$. <i>Physical Review B</i> , 2002, 66, .	3.2	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.	1.9	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.	1.2	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.	1.2	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.	1.2	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.	1.2	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.	1.2	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.	1.2	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.	2.6	46

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109	Optical conductivity and infrared-active phonons in RuSr ₂ GdCu ₂ O ₈ . Physical Review B, 2000, 62, 9709-9712.	3.2	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 . Physical Review B, 2000, 61, 7049-7054.	3.2	16
111	Crystal structure, electric and magnetic properties, and Raman spectroscopy of Gd ₃ RuO ₇ . Physical Review B, 2000, 62, 12235-12240.	3.2	40
112	Far-infrared reflectivity study of lattice dynamics of narrow-gap HgCdMnTe semiconductors. Semiconductor Science and Technology, 1999, 14, 187-197.	2.0	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. Physical Review B, 1999, 59, 9611-9616.	3.2	2
114	Raman spectroscopy of SrRuO ₃ near the paramagnetic-to-ferromagnetic phase transition. Physical Review B, 1999, 59, 364-368.	3.2	75
115	Magnetic Excitations in PrBa ₂ Cu ₄ O ₈ Explored by Raman Scattering. Physica Status Solidi (B): Basic Research, 1999, 215, 507-512.	1.5	4
116	Raman Spectra of the Half-Metallic Ferromagnet CrO ₂ . Physica Status Solidi (B): Basic Research, 1999, 215, 643-646.	1.5	7
117	Comparative study of optical phonons in the rhombohedrally distorted perovskites LaAlO ₃ and LaMnO ₃ . Physical Review B, 1999, 59, 4146-4153.	3.2	288
118	Raman spectroscopy of ferromagnetic CrO ₂ . Physical Review B, 1999, 60, 33-36.	3.2	50
119	Magnetic Excitations in PrBa ₂ Cu ₄ O ₈ Explored by Raman Scattering. Physica Status Solidi (B): Basic Research, 1999, 215, 507-512.	1.5	0
120	Optical spectroscopic study of PrBa ₂ Cu ₄ O ₈ . Journal of Physics and Chemistry of Solids, 1998, 59, 2000-2002.	4.0	4
121	Raman spectroscopy of YSr ₂ Cu ₃ O ₇ +f. Journal of Physics and Chemistry of Solids, 1998, 59, 1994-1996.	4.0	6
122	Crystal Structure and Vibrational Spectra of a New Viologen Gold(I) Iodide. Inorganic Chemistry, 1998, 37, 4752-4753.	4.0	38
123	Possibility of a double-well potential formation in diamondlike amorphous carbon. Physical Review B, 1998, 58, 3526-3528.	3.2	5
124	Fröhlich-interaction-induced multiphonon Raman scattering in SrCuO ₂ and Sr _{0.5} Ca _{0.5} CuO ₂ . Physical Review B, 1997, 55, R8638-R8641.	3.2	28
125	Nd ³⁺ crystal-field transitions studied by Raman and FIR spectroscopies in Nd ₂ BaZnO ₅ . Physical Review B, 1997, 55, 3568-3573.	3.2	10
126	Superionic behavior of high-temperature superconductors. Physical Review B, 1997, 55, 89-92.	3.2	7

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127	Optical phonons in the orthorhombic double-chain $\text{Sr}_{1-x}\text{Ca}_x\text{CuO}_2$ ($x=0, 0.5$). <i>Physical Review B</i> , 1997, 55, 9136-9141.	3.2	11
128	Optical properties of Nd^{3+} in $\text{Nd}_2\text{BaZnO}_5$. <i>Physical Review B</i> , 1997, 55, 6871-6879.	3.2	7
129	Crystal-Field Transitions of Nd^{3+} and Er^{3+} in Perovskite-Type Crystals. <i>Materials Science Forum</i> , 1997, 258-263, 1589-1594.	0.3	0
130	A Vibrational Spectroscopic Study of Endohedral $\text{Li}@\text{C}_{60}$ Fullerenes*. <i>Zeitschrift Fur Physikalische Chemie</i> , 1997, 200, 157-164.	2.8	17
131	Luminescence properties of $\text{Nd}_2\text{BaZnO}_5$. <i>Journal of Luminescence</i> , 1997, 72-74, 174-176.	3.1	3
132	Zone-boundary phonons in hexagonal and cubic GaN. <i>Physical Review B</i> , 1997, 55, 7000-7004.	3.2	289
133	Local lattice instability and ionic transport in high-temperature superconductors. <i>Journal of Superconductivity and Novel Magnetism</i> , 1997, 10, 427-429.	0.5	1
134	Superstructure of $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ superconductors: a Raman scattering study. , 1996, , .		2
135	Effects of Zn substitution for Cu on Raman phonon anomalies in double-chain $\text{YBa}_2\text{Cu}_4\text{O}_8$ superconductors. <i>Physical Review B</i> , 1996, 53, 3566-3572.	3.2	10
136	Phonon Raman scattering in $\text{Y}_{1-x}\text{Pr}_x\text{Ba}_2\text{Cu}_4\text{O}_8$ ($x=0-1$) and $(\text{Y}_{1-x}\text{Pr}_x)_2\text{Ba}_4\text{Cu}_7\text{O}_{15}$ ($x=0-0.6$). <i>Physical Review B</i> , 1996, 53, 3590-3597.	3.2	11
137	Substitution of Pr for Y in $\text{YBa}_2\text{Cu}_4\text{O}_8$ and $\text{YBa}_2\text{Cu}_3\text{O}_{7.5}$ superconductors: Phonon modes and charge transfer effects. <i>Journal of Physics and Chemistry of Solids</i> , 1995, 56, 1833.	4.0	0
138	Light scattering from electronic excitations in $\text{YNi}_2\text{B}_2\text{C}$. <i>Physical Review B</i> , 1995, 52, 6208-6210.	3.2	10
139	Infrared-active phonons and the superconducting gap of Tc-reduced double-chain $\text{YBa}_2\text{Cu}_4\text{O}_8$ superconductors. <i>Physical Review B</i> , 1994, 50, 1171-1177.	3.2	13
140	Superconducting gap in $\text{Pr}_x\text{Y}_{1-x}\text{Ba}_2\text{Cu}_4\text{O}_8$ and $\text{YBa}_2\text{Sr}_y\text{Cu}_4\text{O}_8$ probed by infrared phonon self-energies. <i>Journal of Superconductivity and Novel Magnetism</i> , 1994, 7, 113-116.	0.5	1
141	Anisotropic properties of (110)-YBCO/PrBCO superlattices. <i>Journal of Superconductivity and Novel Magnetism</i> , 1994, 7, 209-211.	0.5	3
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