

Alexander P Litvinchuk

List of Publications by Year in descending order

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59
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183
all docs

183
docs citations

183
times ranked

5250
citing authors

#	ARTICLE	IF	CITATIONS
1	Zone-boundary phonons in hexagonal and cubic GaN. Physical Review B, 1997, 55, 7000-7004.	1.1	289
2	Comparative study of optical phonons in the rhombohedrally distorted perovskites LaAlO ₃ and LaMnO ₃ . Physical Review B, 1999, 59, 4146-4153.	1.1	288
3	Field-Induced Reentrant Novel Phase and a Ferroelectric-Magnetic Order Coupling in HoMnO ₃ . Physical Review Letters, 2004, 92, 087204.	2.9	192
4	Raman spectroscopy of ordered double perovskite La ₂ CoMnO ₆ thin films. Physical Review B, 2007, 75, .	1.1	178
5	Raman spectroscopy of CaCu ₃ Ti ₄ O ₁₂ . Physical Review B, 2002, 66, .	1.1	144
6	Phonon and magnon scattering of antiferromagnetic BiMn_2O_7 . Physical Review B, 2010, 81, .	1.1	107
7	A high-performance spectrally-selective solar absorber based on a yttria-stabilized zirconia cermet with high-temperature stability. Energy and Environmental Science, 2015, 8, 3040-3048.	15.6	102
8	Raman and infrared spectra of brookite (TiO ₂): Experiment and theory. Vibrational Spectroscopy, 2013, 64, 148-152.	1.2	98
9	Lattice vibrations of Y _{1-x} Pr _x Ba ₂ Cu ₃ O ₇ : theory and experiment. Physica C: Superconductivity and Its Applications, 1993, 206, 345-359.	0.6	97
10	Phonon anomalies above T _c in YBa ₂ Cu ₄ O ₈ and YBa ₂ Cu ₃ O _{7-δ} superconductors: An effect of coupling to spin excitations. Solid State Communications, 1992, 83, 343-347.	0.9	92
11	Raman and infrared-active phonons in hexagonal HoMnO ₃ single crystals: magnetic ordering effects. Journal of Physics Condensed Matter, 2004, 16, 809-819.	0.7	89
12	Structural Polymorphism in $\text{CaCu}_2\text{ZnSnS}_4$: Raman Spectroscopy and First-Principles Calculations Analysis. Inorganic Chemistry, 2017, 56, 3467-3474.	1.9	84
13	Raman-scattering study of $\text{K}_x\text{Mn}_2\text{O}_7$. Physical Review B, 2008, 78, .	1.1	82
14	A high-temperature stable spectrally-selective solar absorber based on cermet of titanium nitride in SiO ₂ deposited on lanthanum aluminate. Solar Energy Materials and Solar Cells, 2017, 160, 12-17.	3.0	76
15	Raman spectroscopy of SrRuO ₃ near the paramagnetic-to-ferromagnetic phase transition. Physical Review B, 1999, 59, 364-368.	1.1	75
16	Electronic band structure and optical phonons of BaSnO ₃ and Ba _{0.97} La _{0.03} SnO ₃ single crystals: Theory and experiment. Journal of Applied Physics, 2012, 112, .	1.1	75
17	Raman spectroscopy of low-temperature (Pnma) and high-temperature (R3 \bar{c}) phases of LaCrO ₃ . Physical Review B, 2006, 74, .	1.1	72
18	Temperature-dependent Raman spectra of HoMn ₂ O ₅ and TbMn ₂ O ₅ . Physical Review B, 2005, 71, .	1.1	60

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19	Self-energies of infrared-active phonons in RBa ₂ Cu ₃ O _{7-δ} . Solid State Communications, 1991, 80, 257-262.	0.9	54
20	Raman spectroscopy of MnWO_4 . Physical Review B, 2009, 80, .	1.1	52
21	Raman spectroscopy of ferromagnetic CrO ₂ . Physical Review B, 1999, 60, 33-36.	1.1	50
22	Raman phonons and ageing-related surface disorder in Na _x CoO ₂ . Physica C: Superconductivity and Its Applications, 2004, 402, 239-242.	0.6	48
23	Raman Scattering Study of Cu ₃ SnS ₄ Colloidal Nanocrystals. Journal of Physical Chemistry C, 2014, 118, 27554-27558.	1.5	48
24	Optical properties of high-dielectric-constant CaCu ₃ Ti ₄ O ₁₂ films. Physica Status Solidi A, 2003, 195, 453-458.	1.7	47
25	Fine structure of the low-frequency Raman phonon bands of single-wall carbon nanotubes. Chemical Physics Letters, 2000, 316, 217-221.	1.2	46
26	Spin-charge-lattice coupling through resonant multimagnon excitations in multiferroic BiFeO ₃ . Applied Physics Letters, 2009, 94, 161905.	1.5	43
27	Eu ³⁺ -Doped Wide Band Gap Zn ₂ SnO ₄ Semiconductor Nanoparticles: Structure and Luminescence. Journal of Physical Chemistry C, 2016, 120, 18887-18894.	1.5	43
28	Crystal structure, electric and magnetic properties, and Raman spectroscopy of Gd ₃ RuO ₇ . Physical Review B, 2000, 62, 12235-12240.	1.1	40
29	Crystal Structure and Vibrational Spectra of a New Viologen Gold(I) Iodide. Inorganic Chemistry, 1998, 37, 4752-4753.	1.9	38
30	Lattice dynamical probe of charge order and antipolar bilayer stacking in LuFe_2O_7 . Physical Review B, 2010, 82, .	1.1	37
31	$\text{Cu}_2\text{CdGeS}_4$ and $\text{Cu}_2\text{CdGeS}_6$. Physical Review B, 2010, 82, .	1.1	35
32	Lattice Dynamics of the Rhombohedral Polymorphs of CaSi ₂ . Inorganic Chemistry, 2016, 55, 10203-10207.	1.9	35
33	Optical phonons in the kesterite Cu ₂ ZnGeS ₄ semiconductor: polarized Raman spectroscopy and first-principle calculations. RSC Advances, 2016, 6, 13278-13285.	1.7	35
34	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. Energy and Environmental Science, 2019, 12, 756-766.	15.6	35
35	Optical and electronic properties of metal doped thermoelectric Zn ₄ Sb ₃ . Journal of Applied Physics, 2008, 103, 123524.	1.1	34
36	Structural, transport, magnetic properties and Raman spectroscopy of orthorhombic Y _{1-x} CaxMnO ₃ (0 ≤ x ≤ 0.5). Journal of Physics Condensed Matter, 2005, 17, 3333-3341.	0.7	32

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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	Temperature dependence of phonon Raman scattering in YBa ₂ Cu ₃ O _{7-δ} . <i>Physica C: Superconductivity and Its Applications</i> , 1994, 225, 317-324.	0.6	30
39	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
40	Raman study of YBa ₂ Cu ₃ O _{7-δ} /PrBa ₂ Cu ₃ O _{7-δ} superlattices. <i>Physical Review B</i> , 1992, 46, 14017-14021.	1.1	27
41	Chain-oxygen vibrations in YBa ₂ Cu ₃ O _{7-δ} and YBa ₂ Cu ₄ O ₈ . <i>Physical Review B</i> , 1992, 45, 8154-8157.	1.1	27
42	Spin-Lattice Interactions Mediated by Magnetic Field. <i>Physical Review Letters</i> , 2008, 100, 177205.	2.9	27
43	Fermi resonance in the phonon spectra of quaternary chalcogenides of the type Cu ₂ ZnGeS ₄ . <i>Journal of Physics Condensed Matter</i> , 2016, 28, 065401.	0.7	27
44	Far-infrared spectroscopy of the superconductor YBa ₂ Cu ₄ O ₈ . <i>European Physical Journal B</i> , 1992, 86, 329-335.	0.6	25
45	Comparative Raman studies of $\text{Cu}_2\text{ZnGeS}_4$ and $\text{Cu}_2\text{ZnGeTe}_4$. <i>Physica B: Condensed Matter</i> , 2005, 358, 138-152.	1.3	25
46	Lattice dynamics of the $\text{Cu}_2\text{ZnGeS}_4$ and $\text{Cu}_2\text{ZnGeTe}_4$ phases of LiFe $\text{Cu}_2\text{ZnGeS}_4$. <i>Physica B: Condensed Matter</i> , 2005, 358, 138-152.	1.1	25
47	Optical properties of quaternary kesterite-type $\text{Cu}_2\text{Zn}(\text{Sn}^{1-x}\text{Ge}^x)_4$ crystalline alloys: Raman scattering, photoluminescence and first-principle calculations. <i>RSC Advances</i> , 2016, 6, 67756-67763.	1.7	25
48	Magnetoelastic coupling in DyMn_2S_7 infrared spectroscopy. <i>Physical Review B</i> , 2008, 78, .	2.1	24
49	Raman scattering in orthorhombic Cu_2S nanocrystals. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 195-199.	0.8	24
50	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
51	Ionic conductivity and Raman scattering in PbF ₂ superionic crystals. <i>Solid State Communications</i> , 1985, 53, 373-376.	0.9	23
52	Nb ₂ O ₂ 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
53	Crystal field effect in YbMnO ₃ . <i>Journal of Alloys and Compounds</i> , 2008, 451, 662-665.	2.8	22
54	Crystal structure and vibrational properties of $\text{Cu}_2\text{ZnSiSe}_4$ quaternary semiconductor. <i>Physica Status Solidi (B): Basic Research</i> , 2016, 253, 1808-1815.	0.7	22

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55	Phonons and magnetic excitations in the Mott insulator LaTiO ₃ . Physical Review B, 2004, 69, .	1.1	21
56	Lattice dynamics and spin-phonon interactions in multiferroic : Shell model calculations. Journal of Magnetism and Magnetic Materials, 2009, 321, 2373-2377.	1.0	21
57	Infrared-active optical phonons and magnetic excitations in the hexagonal manganites. Physical Review B, 2009, 79, 040402.	1.0	20
58	Infrared-active optical phonons and magnetic excitations in the hexagonal manganites. Physical Review B, 2009, 79, 040402.	1.0	20
59	Raman spectroscopy of CaRuO ₃ . Physical Review B, 2002, 66, .	1.1	18
60	Multiple-order Raman scattering from rare-earth manganites: Oxygen isotope and rare-earth substitution effects. Physical Review B, 2007, 75, .	1.1	18
61	A Vibrational Spectroscopic Study of Endohedral Li@C ₆₀ Fullerenes*. Zeitschrift Fur Physikalische Chemie, 1997, 200, 157-164.	1.4	17
62	Raman monitoring of the dynamical Jahn-Teller distortions in rhombohedral antiferromagnetic LaMnO ₃ and ferromagnetic magnetoresistive La _{0.98} Mn _{0.96} O ₃ . Physica C: Superconductivity and Its Applications, 2000, 341-348, 2257-2258.	0.6	17
63	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
64	Second-order Raman scattering in CuO. Journal of Physics Condensed Matter, 2013, 25, 105402.	0.7	17
65	Quantum Critical Transition Amplifies Magnetoelastic Coupling in MnO. Physical Review Letters, 2016, 116, 087201.	2.9	17
66	Optical properties and lattice dynamics of CuZnGeSe quaternary semiconductor: A density-functional study. Physica Status Solidi (B): Basic Research, 2016, 253, 323-328.	0.7	17
67	Room-temperature skyrmion phase in bulk Cu ₂ OSeO ₃ under high pressures. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 8783-8787.	3.3	17
68	Optical Spectroscopy of the Superionic Crystals. Physica Status Solidi A, 1990, 119, 363-415.	1.7	16
69	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.	1.1	16
70	Narrow Gap Semiconducting Germanium Allotrope from the Oxidation of a Layered Zintl Phase in Ionic Liquids. Journal of the American Chemical Society, 2018, 140, 6785-6788.	6.6	16
71	Structure, electrochemical impedance and Raman spectroscopy of lithium-niobium-titanium-oxide ceramics for LTCC technology. Ceramics International, 2021, 47, 4944-4953.	2.3	16
72	INFRARED-ACTIVE VIBRATIONS OF HIGH-TEMPERATURE SUPERCONDUCTORS: EXPERIMENT AND THEORY. , 1994, , 375-469.		15

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91	Nd ³⁺ crystal-field transitions studied by Raman and FIR spectroscopies in Nd ₂ BaZnO ₅ . Physical Review B, 1997, 55, 3568-3573.	1.1	10
92	Far-infrared reflectivity study of lattice dynamics of narrow-gap HgCdMnTe semiconductors. Semiconductor Science and Technology, 1999, 14, 187-197.	1.0	10
93	Two-magnon Raman scattering from Bi ₂ Se ₃ . $\text{Cu} \times 3$		

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109	Colloidal Cu-Zn-Sn-Te Nanocrystals: Aqueous Synthesis and Raman Spectroscopy Study. <i>Nanomaterials</i> , 2021, 11, 2923.	1.9	7
110	On a possible charge transfer in superconducting superlattices. <i>Physica C: Superconductivity and Its Applications</i> , 1993, 209, 51-54.	0.6	6
111	Raman spectroscopy of $\text{YSr}_2\text{Cu}_3\text{O}_7+\delta$. <i>Journal of Physics and Chemistry of Solids</i> , 1998, 59, 1994-1996.	1.9	6
112	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
113	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. <i>Journal of Applied Physics</i> , 2007, 102, 073716.	1.1	6
114	Optical and electronic properties of thermoelectric Zn_4Sb_3 across the low-temperature phase transitions. <i>Applied Physics Letters</i> , 2007, 90, 181920.	1.5	6
115	Infrared response of δ - and δ^2 -phases of LiFe_5O_8 . <i>Physical Review B</i> , 2011, 84, .	1.1	6
116	Lattice dynamics and spin-phonon coupling in CaMn_2O_4 : A Raman study. <i>Physical Review B</i> , 2014, 89, .	1.1	6
117	Structure and vibrational spectra of ReSe_2 nanoplates. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 1305-1314.	1.2	6
118	Colloidal $\text{Cu}_2\text{ZnSnS}_4$ -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
119	Possibility of a double-well potential formation in diamondlike amorphous carbon. <i>Physical Review B</i> , 1998, 58, 3526-3528.	1.1	5
120	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
121	Thermoelectric properties of $\text{Zn}_5\text{Sb}_4\text{In}_2\text{Te}_7$ ($\delta=0.15$). <i>Journal of Applied Physics</i> , 2012, 111, 123712.	1.1	5
122	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
123	Vibrational spectroscopy of orthorhombic $\text{Cu}_2\text{ZnSiS}_4$ single crystal: Low-temperature polarized Raman scattering and first principle calculations. <i>Vibrational Spectroscopy</i> , 2017, 89, 81-84.	1.2	5
124	Raman Scattering Study of Mixed Quaternary $\text{Ag}_x\text{Ga}_x\text{Ge}_{1-x}\text{Se}_2$ ($0.167 \leq x \leq 0.333$) Crystals. <i>Physica Status Solidi (B): Basic Research</i> , 2018, 255, 1700230.	0.7	5
125	The variation of the energy gap with composition in the quaternary alloy system $\text{ZnTe}_{1-x}\text{S}_x\text{Se}_x$. <i>Physica Status Solidi (B): Basic Research</i> , 1983, 115, K151.	0.7	4
126	Optical spectroscopic study of $\text{PrBa}_2\text{Cu}_4\text{O}_8$. <i>Journal of Physics and Chemistry of Solids</i> , 1998, 59, 2000-2002.	1.9	4

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127	Magnetic Excitations in PrBa ₂ Cu ₄ O ₈ Explored by Raman Scattering. Physica Status Solidi (B): Basic Research, 1999, 215, 507-512.	0.7	4
128	Far-infrared analysis of lattice vibrations in ZnSe/ZnCdSe superlattices. Solid State Communications, 2002, 122, 21-24.	0.9	4
129	Structure stability of short-period InAs/AlSb superlattices. Journal of Crystal Growth, 2003, 251, 547-550.	0.7	4
130	Crystal Structure and Vibrational Properties of a Sodium Oxoferrate(II) Hydroxide, Na ₅ [FeO ₃][OH]. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 2087-2092.	0.6	4
131	The Advantage of Nanowire Configuration in Band Structure Determination. Advanced Functional Materials, 2021, 31, 2105426.	7.8	4
132	Infrared reflectivity of RBa ₂ Cu ₃ O _{7-δ} superconductors: phonon self-energy effects. Physica C: Superconductivity and Its Applications, 1991, 185-189, 987-988.	0.6	3
133	Anisotropic properties of (110)-YBCO/PrBCO superlattices. Journal of Superconductivity and Novel Magnetism, 1994, 7, 209-211.	0.5	3
134	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
135	Luminescence properties of Nd ₂ BaZnO ₅ . Journal of Luminescence, 1997, 72-74, 174-176.	1.5	3
136	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
137	Charge and lattice dynamics of ordered state in La _{1/2} Ca _{1/2} MnO ₃ : infrared reflection spectroscopy study. Solid State Communications, 2004, 132, 309-313.	0.9	3
138	Pressure-Temperature Phase Diagram Reveals Spin-Lattice Interactions in Co[N(CN) ₂] ₂ . Inorganic Chemistry, 2017, 56, 4950-4955.	1.9	3
139	Optical properties and lattice dynamics of a novel allotrope of orthorhombic elemental germanium. Journal of Physics Condensed Matter, 2019, 31, 135401.	0.7	3
140	Raman and Infrared Phonon Spectra of Novel Nonlinear Optical Materials PbGa ₂ GeS ₆ and PbGa ₂ GeSe ₆ : Experiment and Theory. Physica Status Solidi (B): Basic Research, 2020, 257, 1900700.	0.7	3
141	Raman tensor of zinc-phosphide (Zn ₃ P ₂): from polarization measurements to simulation of Raman spectra. Physical Chemistry Chemical Physics, 2021, 24, 63-72.	1.3	3
142	Anion disordering in Cd _{1-x} PbxF ₂ superionic crystals. Solid State Ionics, 1989, 36, 227-229.	1.3	2
143	Infrared-active phonons in La _{2-x} SrxCaCu ₂ O ₆ . Physical Review B, 1991, 44, 9723-9726.	1.1	2
144	<title>Superstructure of Bi ₂ Sr ₂ CaCu ₂ O ₈ superconductors: a Raman scattering study</title>. , 1996, , .		2

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145	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
146	Electronic Excitations and Lattice Dynamics of Coordinatively Unsaturated Complex Transition Metal Compounds. <i>Inorganic Chemistry</i> , 2012, 51, 5822-5830.	1.9	2
147	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
148	Infrared phonon spectroscopy on the Cairo pentagonal antiferromagnet BiO_9 : A study through the pressure-induced structural transition. <i>Physical Review B</i> , 2021, 103, .	1.1	2
149	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
150	Effect of the pumping intensity on the resonant secondary emission spectra of optically aligned hot excitons in ZnTe crystals. <i>Physica Status Solidi (B): Basic Research</i> , 1983, 116, K61.	0.7	1
151	Resonance of one-phonon and two-phonon states in mixed semiconductors. <i>Journal of Applied Spectroscopy</i> , 1983, 38, 223-227.	0.3	1
152	Lattice defects and thermodynamic properties of Cd _{1-x} Pb _x F ₂ superionic crystals. <i>Radiation Effects and Defects in Solids</i> , 1991, 119-121, 111-116.	0.4	1
153	Growth and optical study of superconducting superlattices. <i>Journal of Alloys and Compounds</i> , 1993, 195, 187-190.	2.8	1
154	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. <i>Journal of Superconductivity and Novel Magnetism</i> , 1994, 7, 113-116.	0.5	1
155	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
156	Optical properties of magnetoresistive La _{0.7} Pb _{0.3} MnO ₃ single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 2000, 341-348, 2237-2238.	0.6	1
157	Carrier dynamics and infrared-active phonons in c-axis oriented RuSr ₂ GdCu ₂ O ₈ film. <i>Physica C: Superconductivity and Its Applications</i> , 2001, 361, 234-238.	0.6	1
158	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
159	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
160	Resonant Raman scattering in the mixed crystals Mg _x Cd _{1-x} Se. <i>Journal of Applied Spectroscopy</i> , 1982, 36, 91-95.	0.3	0
161	Raman scattering from polaritons and plasmaritons in 6H-SiC. <i>Physica Status Solidi (B): Basic Research</i> , 1986, 135, 75-84.	0.7	0
162	Resonant secondary emission spectra of optically aligned hot excitons in ZnTe: Effect of the excitation intensity. <i>Journal of Luminescence</i> , 1988, 40-41, 607-608.	1.5	0

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163	Symmetry-dependent phonon interactions in YBa ₂ Cu ₄ O ₈ superconductors: a Raman and infrared spectroscopic study. <i>Physica C: Superconductivity and Its Applications</i> , 1994, 235-240, 1091-1092.	0.6	0
164	Substitution of Pr for Y in YBa ₂ Cu ₄ O ₈ and YBa ₂ Cu _{3.5} O _{7.5} $\hat{\nu}$ $\hat{\nu}$ superconductors: Phonon modes and charge transfer effects. <i>Journal of Physics and Chemistry of Solids</i> , 1995, 56, 1833.	1.9	0
165	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
166	Raman scattering study of heavily oxygenated YSr ₂ Cu ₃ O _{7+$\hat{\nu}$} and AuBa ₂ YCu ₂ O _{7+$\hat{\nu}$} superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2000, 341-348, 2205-2208.	0.6	0
167	Raman scattering in YBa ₂ Cu ₄ O ₈ and PrBa ₂ Cu ₄ O ₈ $\hat{\nu}$ indications of pseudogap effects in non-superconducting PrBa ₂ Cu ₄ O ₈ . <i>Physica C: Superconductivity and Its Applications</i> , 2000, 341-348, 2251-2252.	0.6	0
168	Structure stability of short-period InAs/AlSb superlattices. , 0, , .		0
169	Microtwinning of Epitaxial CaRuO ₃ Thin Films: A Raman Study. <i>Physica Status Solidi A</i> , 2002, 191, R7-R9.	1.7	0
170	Control of hydrogen for the improvement of optical properties of Ga(In)NAs epilayers grown on GaAs. , 0, , .		0
171	Electronic structure, optical properties and lattice dynamics of MgSO ₃ $\hat{\nu}$...6H ₂ O. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 485401.	0.7	0
172	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
173	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
174	The Advantage of Nanowire Configuration in Band Structure Determination (<i>Adv. Funct. Mater.</i>) Tj ETQqO 0 0 rgBT /Qverlock 10 Tf 50 30	7.8	0
175	Far-infrared study of phonon anomalies in RBa ₂ Cu ₃ O ₇₋₈ and YBa ₂ Cu ₄ O ₈ superconductors. , 1991, , .		0
176	An effect of spin excitations on the infrared-active phonons in Yb ₂ Cu ₄ O ₈ and Yb ₂ Cu ₃ O ₇₋₅ superconductors. , 2017, , .		0
177	Optical Properties and Lattice Dynamics of Pure and S $\hat{\nu}$ Alloyed Cu $\hat{\nu}$ Zn $\hat{\nu}$ Sn $\hat{\nu}$ Te Semiconductors: First $\hat{\nu}$ Principles Calculations and Raman Scattering. <i>Physica Status Solidi (B): Basic Research</i> , 0, , 2100618.	0.7	0