

Alexander I Kolesnikov

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8110071/publications.pdf>

Version: 2024-02-01

329
papers

9,520
citations

76326

40
h-index

66911

78
g-index

336
all docs

336
docs citations

336
times ranked

9773
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Massless Dirac magnons in the two dimensional van der Waals honeycomb magnet CrCl ₃ . 2D Materials, 2022, 9, 015006. | 4.4 | 16 |
| 2 | Isotopic dependence of the frequency of optical vibrations in molybdenum monohydride. Journal of Alloys and Compounds, 2022, 893, 162299. | 5.5 | 2 |
| 3 | Experimental mapping of short-wavelength phonons in proteins. Innovation(China), 2022, 3, 100199. | 9.1 | 1 |
| 4 | Lattice dynamics of high-pressure hydrides studied by inelastic neutron scattering. Journal of Alloys and Compounds, 2022, 905, 164208. | 5.5 | 9 |
| 5 | Dynamic parallel spin stripes from the 1/8 anomaly to the end of superconductivity in $\text{La}_{1-x}\text{Pr}_x\text{FeAsO}$. Physical Review Research, 2022, 4, . | 3.6 | 2 |
| 6 | Single-ion properties of the transverse-field Ising model material CoNb_2O_6 . Physical Review B, 2022, 105, . | 3.2 | 3 |
| 7 | Anisotropic magnon damping by zero-temperature quantum fluctuations in ferromagnetic CrGeTe ₃ . Nature Communications, 2022, 13, . | 12.8 | 10 |
| 8 | Spin Waves and Magnetic Exchange Hamiltonian in CrSBr. Advanced Science, 2022, 9, . | 11.2 | 20 |
| 9 | Methodology for Generating Covariance Data of Thermal Neutron Scattering Cross Sections. Nuclear Science and Engineering, 2021, 195, 13-32. | 1.1 | 4 |
| 10 | Hybridized quadrupolar excitations in the spin-anisotropic frustrated magnet FeI ₂ . Nature Physics, 2021, 17, 467-472. | 16.7 | 30 |
| 11 | Direct determination of the zero-field splitting for the Fe^{2+} ion in a synthetic polymorph of Fe^{2+} . | | |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Low rotational barriers for the most dynamically active methyl groups in the proposed antiviral drugs for treatment of SARS-CoV-2, apilimod and tetrandrine. Chemical Physics Letters, 2021, 777, 138727. | 2.6 | 9 |
| 20 | Magnetic Field Effect on Topological Spin Excitations in CrI_3 . Physical Review X, 2021, 11, . | 8.9 | 37 |
| 21 | Unusual Exchange Couplings and Intermediate Temperature Weyl State in $\text{Co}_2\text{Mn}_3\text{S}_8$. Physical Review Letters, 2021, 127, 117201. | 7.3 | 26 |
| 22 | Magnetic exchange interactions in the van der Waals layered antiferromagnet $\text{Mn}_2\text{P}_3\text{Se}_3$. Physical Review B, 2021, 103, . | 3.2 | 26 |
| 23 | Origin of Two Distinct Peaks of Ice in the THz Region and Its Application for Natural Gas Hydrate Dissociation. Journal of Physical Chemistry C, 2020, 124, 1165-1170. | 3.1 | 12 |
| 24 | Vibrational modes and quantum zero-point energy of hydrogen in $\text{ZrH}_{0.0155}$ and ZrH_2 . Journal of Alloys and Compounds, 2020, 818, 152832. | 5.5 | 5 |
| 25 | Unconventional Hund metal in a weak itinerant ferromagnet. Nature Communications, 2020, 11, 3076. | 12.8 | 12 |
| 26 | Neutron scattering study of tantalum dihydride. Physical Review B, 2020, 102, . | 3.2 | 8 |
| 27 | Analysis of the time-of-flight neutron scattering cross-section data for light water measured at the SEQUOIA spectrometer, Spallation Neutron Source (SNS). EPJ Web of Conferences, 2020, 239, 14007. | 0.3 | 2 |
| 28 | High-Pressure Hydrofullerites. Journal of Surface Investigation, 2020, 14, 995-1002. | 0.5 | 1 |
| 29 | Hydrogen Dynamics in Supercritical Water Probed by Neutron Scattering and Computer Simulations. Journal of Physical Chemistry Letters, 2020, 11, 9461-9467. | 4.6 | 11 |
| 30 | Effect of Hydration on the Molecular Dynamics of Hydroxychloroquine Sulfate. ACS Omega, 2020, 5, 21231-21240. | 3.5 | 8 |
| 31 | One-Dimensional Glassy Behavior of Ultraconfined Water Strings. Journal of Physical Chemistry Letters, 2020, 11, 7798-7804. | 4.6 | 2 |
| 32 | Probing Molecular Interactions at MXene/Organic Heterointerfaces. Chemistry of Materials, 2020, 32, 7884-7894. | 6.7 | 26 |
| 33 | Hydration-Induced Disorder Lowers the Energy Barriers for Methyl Rotation in Drug Molecules. Journal of Physical Chemistry Letters, 2020, 11, 10256-10261. | 4.6 | 7 |
| 34 | Simulation of Inelastic Neutron Scattering Spectra Directly from Molecular Dynamics Trajectories. Journal of Chemical Theory and Computation, 2020, 16, 7702-7708. | 5.3 | 14 |
| 35 | Vibrational Behavior of Water Adsorbed on Forsterite (Mg_2SiO_4) Surfaces. ACS Earth and Space Chemistry, 2020, 4, 1050-1063. | 2.7 | 11 |
| 36 | Topological magnon bands in a room-temperature Kagome magnet. Physical Review B, 2020, 101, . | 3.2 | 32 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | Spin waves above and below the Verwey transition in TbBaFe ₂ O ₅ . Physical Review B, 2020, 101, . | 3.2 | 1 |
| 38 | Magnetically driven phonon instability enables the metal-insulator transition in h-FeS. Nature Physics, 2020, 16, 669-675. | 16.7 | 26 |
| 39 | Magnetic anisotropy in ferromagnetic CrI_3 . Physical Review B, 2020, 101, . | 3.2 | 1 |
| 40 | Structure and properties of densified silica glass: characterizing the order within disorder. NPG Asia Materials, 2020, 12, . | 7.9 | 57 |
| 41 | High-resolution neutron time-of-flight measurements for light water at the Spallation Neutron Source (SNS), Oak Ridge National Laboratory. EPJ Web of Conferences, 2020, 239, 14005. | 0.3 | 2 |
| 42 | Realization of the orbital-selective Mott state at the molecular level in Ba_3VO_9 . Physical Review Materials, 2020, 4, . | 2.4 | 9 |
| 43 | Toward a better thermal scattering law of (C ₅ O ₂ H ₈) _n : Inelastic neutron scattering and oClimax+â€”NJOY2016. Annals of Nuclear Energy, 2019, 133, 425-430. | 1.8 | 7 |
| 44 | A Three-Component Mathematical Model of a Single-Axis Accelerometer for Measuring Pitch and Roll Angles. Measurement Techniques, 2019, 62, 118-125. | 0.6 | 3 |
| 45 | Confined Interlayer Water Promotes Structural Stability for High-Rate Electrochemical Proton Intercalation in Tungsten Oxide Hydrates. ACS Energy Letters, 2019, 4, 2805-2812. | 17.4 | 88 |
| 46 | Magnetic ground state and magnetic excitations in black diopside Cu_6O_{18} . Physical Review B, 2019, 100, . | 3.2 | 4 |
| 47 | Large Positive Zero-Field Splitting in the Cluster Magnet $\text{Ba}_3\text{CeRu}_2\text{O}_9$. Journal of the American Chemical Society, 2019, 141, 9928-9936. | 13.7 | 12 |
| 48 | Effect of fine-tuning pore structures on the dynamics of confined water. Journal of Chemical Physics, 2019, 150, 204706. | 3.0 | 10 |
| 49 | Heat capacity and thermodynamic functions of crystalline forms of the metal-organic framework zinc 2-methylimidazolate, Zn(Melm) ₂ . Journal of Chemical Thermodynamics, 2019, 136, 160-169. | 2.0 | 11 |
| 50 | Quantum Spin Ice Dynamics in the Dipole-Octupole Pyrochlore Magnet Zr_2O_7 . Physical Review Letters, 2019, 122, 187201. | 7.8 | 17 |
| 51 | Optical Properties of Single-Crystal Germanium in the THz Range. Optics and Spectroscopy (English) Tj ETQq1 1 0.784314 rgBT /Overbo | 0.6 | 10 |
| 52 | Magnetic excitations in the quasi-two-dimensional ferromagnet Fe_2O_3 measured with inelastic neutron scattering. Physical Review B, 2019, 99, . | 0.2 | 3 |
| 53 | Magnetic Excitations of the Classical Spin Liquid MgCr_2O_4 . Physical Review Letters, 2019, 122, 097201. | 7.8 | 17 |
| 54 | New Insights about CuO Nanoparticles from Inelastic Neutron Scattering. Nanomaterials, 2019, 9, 312. | 4.1 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Simulation of Inelastic Neutron Scattering Spectra Using OCLIMAX. Journal of Chemical Theory and Computation, 2019, 15, 1974-1982. | 5.3 | 95 |
| 56 | Insights into the evolution from ferromagnetism to antiferromagnetism: A doping-dependent study of <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>NaCrSi</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:mi>O</mml:mi><mml:mn>6</mml:mn></mml:msub><mml:mspace width="0.16em"></mml:mspace></math> | | |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Effects of Confinement and Pressure on the Vibrational Behavior of Nano-Confined Propane. Journal of Physical Chemistry A, 2018, 122, 6736-6745. | 2.5 | 20 |
| 74 | Inelastic and deep inelastic neutron spectroscopy of water molecules under ultra-confinement. Journal of Physics: Conference Series, 2018, 1055, 012002. | 0.4 | 7 |
| 75 | Fast Rotational Diffusion of Water Molecules in a 2D Hydrogen Bond Network at Cryogenic Temperatures. Physical Review Letters, 2018, 120, 196001. | 7.8 | 10 |
| 76 | Decoupled spin dynamics in the rare-earth orthoferrite YbFeO_3 : Evolution of magnetic excitations through the spin-reorientation transition. Physical Review B, 2018, 98, . | 3.2 | 31 |
| 77 | Magnetic interactions in PdCrO_2 and their effects on its magnetic structure. Physical Review B, 2018, 98, . | 3.2 | 12 |
| 78 | Ice Ih revisited: No proton tunneling observed in a quasielastic neutron scattering experiment. Physical Review B, 2018, 98, . | 3.2 | 7 |
| 79 | Magnetic ground state of the Ising-like antiferromagnet DyScO_3 . Physical Review B, 2017, 96, . | 3.2 | 17 |
| 80 | Spin pseudogap in the $\text{Sr}_2\text{MgOsO}_6$ chain material with impurities. Physical Review B, 2017, 95, . | 3.2 | 9 |
| 81 | Hydrogen mobility in the lightest reversible metal hydride, LiBeH_3 . Scientific Reports, 2017, 7, 16244. | 3.3 | 8 |
| 82 | iCaRL: Incremental Classifier and Representation Learning. , 2017, , . | | 1,376 |
| 83 | LiDAR-Assisted Multi-Source Program (LAMP) for Measuring Above Ground Biomass and Forest Carbon. Remote Sensing, 2017, 9, 154. | 4.0 | 13 |
| 84 | Evidence of molecular hydrogen trapped in two-dimensional layered titanium carbide-based MXene. Physical Review Materials, 2017, 1, . | 2.4 | 21 |
| 85 | Influence of metal ions intercalation on the vibrational dynamics of water confined between MXene layers. Physical Review Materials, 2017, 1, . | 2.4 | 45 |
| 86 | Decentralized Control of a Group of Homogeneous Vehicles in Obstructed Environment. Journal of Control Science and Engineering, 2016, 2016, 1-8. | 1.0 | 7 |
| 87 | The cold neutron chopper spectrometer at the Spallation Neutron Source—A review of the first 8 years of operation. Review of Scientific Instruments, 2016, 87, 093902. | 1.3 | 68 |
| 88 | Spin-orbit coupling control of anisotropy, ground state and frustration in $5d^2 \text{Sr}_2\text{MgOsO}_6$. Scientific Reports, 2016, 6, 32462. | 3.3 | 25 |
| 89 | Influence of Surface Oxidation on Ion Dynamics and Capacitance in Porous and Nonporous Carbon Electrodes. Journal of Physical Chemistry C, 2016, 120, 8730-8741. | 3.1 | 40 |
| 90 | Pressure effect on hydrogen tunneling and vibrational spectrum in Mn^{1+} . Physical Review B, 2016, 94, . | 3.2 | 7 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 91 | Coupled antiferromagnetic spin- $\frac{1}{2}$ in green diopside Cu_6O . Physical Review B, 2016, 93, . | 3.2 | 10 |
| 92 | Neutron scattering studies of spin-phonon hybridization and superconducting spin gaps in the high-temperature superconductor $\text{La}_8\text{O}_{22}\text{Cu}_8$. Physical Review B, 2016, 93, . | 3.2 | 8 |
| 93 | Spin-phonon coupling and high-pressure phase transitions of $\text{R}_3\text{Mn}_2\text{O}_7$. Physical Review B, 2016, 93, . | 3.2 | 8 |
| 94 | Spin-orbit coupling controlled ground state in $\text{Sr}_2\text{Cu}_2\text{O}_7$. Physical Review B, 2016, 93, . | 3.2 | 8 |
| 95 | Quantum Tunneling of Water in Beryl: A New State of the Water Molecule. Physical Review Letters, 2016, 116, 167802. | 7.8 | 92 |
| 96 | Infrared and terahertz transmission properties of germanium single crystals. Journal of Physics: Conference Series, 2016, 737, 012021. | 0.4 | 1 |
| 97 | Optical properties of large germanium monocrystals. Optics and Spectroscopy (English Translation of) Tj ETQq1 1 0.784314 1gBT /Over | 0.6 | 1 |
| 98 | Quantum Coherence and Temperature Dependence of the Anomalous State of Nanoconfined Water in Carbon Nanotubes. Journal of Physical Chemistry Letters, 2016, 7, 4433-4437. | 4.6 | 17 |
| 99 | Thermal Imaging and Conoscopic Studies of Working Acousto-optical Devices on the Base of Paratellurite. International Journal of Thermophysics, 2016, 37, 1. | 2.1 | 6 |
| 100 | The effect of hydrazine intercalation on the structure and capacitance of 2D titanium carbide (MXene). Nanoscale, 2016, 8, 9128-9133. | 5.6 | 225 |
| 101 | Multilayer graphene synthesized under high hydrogen pressure. Carbon, 2016, 100, 465-473. | 10.3 | 27 |
| 102 | Quasiparticle-continuum level repulsion in a quantum magnet. Nature Physics, 2016, 12, 224-229. | 16.7 | 33 |
| 103 | Seed, Expand and Constrain: Three Principles for Weakly-Supervised Image Segmentation. Lecture Notes in Computer Science, 2016, , 695-711. | 1.3 | 311 |
| 104 | Improving Weakly-Supervised Object Localization By Micro-Annotation. , 2016, , . | | 14 |
| 105 | Technology of Creation Periodic Structure on Surface Crystal of Paratellurite. Journal of Nano- and Electronic Physics, 2016, 8, 04044-1-04044-3. | 0.5 | 0 |
| 106 | CaMn_2O_7 Spin waves on a frustrated antiferromagnetic honeycomb lattice. Physical Review B, 2015, 91, . | 3.2 | 1 |
| 107 | Publisher's Note: CaMn_2Sb_2 : Spin waves on a frustrated antiferromagnetic honeycomb lattice [Phys. Rev. B 91, 180407(R) (2015)]. Physical Review B, 2015, 91, . | 3.2 | 1 |
| 108 | Neutron spectroscopic study of crystalline electric field excitations in stoichiometric and lightly stuffed Yb_7O_7 . Physical Review B, 2015, 92, . | 3.2 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 109 | Wang <i>et al.</i> Reply. Physical Review Letters, 2015, 115, 149802. | 7.8 | 2 |
| 110 | Pressure Effect on the Boson Peak in Deeply Cooled Confined Water: Evidence of a Liquid-Liquid Transition. Physical Review Letters, 2015, 115, 235701. | 7.8 | 13 |
| 111 | Quantum effects in the dynamics of deeply supercooled water. Physical Review E, 2015, 91, 022312. | 2.1 | 21 |
| 112 | Thermodynamic Properties of Fe_2O_3 and Fe_3O_4 Nanoparticles. Journal of Physical Chemistry C, 2015, 119, 9609-9616. | 3.1 | 10 |
| 113 | Variance-preserving mosaicing of multiple satellite images for forest parameter estimation: Radiometric normalization. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 105, 120-127. | 11.1 | 18 |
| 114 | Surface micromorphology of germanium single-crystal boules grown from melt. Journal of Surface Investigation, 2015, 9, 630-635. | 0.5 | 5 |
| 115 | Estimating the number of clusters in a numerical data set via quantization error modeling. Pattern Recognition, 2015, 48, 941-952. | 8.1 | 51 |
| 116 | Measurement of proton momentum distributions using a direct geometry instrument. Journal of Physics: Conference Series, 2014, 571, 012007. | 0.4 | 12 |
| 117 | Neutron Scattering Study on <i>f</i> -Electron States in PrCu_4Au . , 2014, , . | | 2 |
| 118 | Neutron Scattering of CeNi at the SNS-ORNL: A Preliminary Report. Materials Research Society Symposia Proceedings, 2014, 1683, 26. | 0.1 | 0 |
| 119 | Neutron-Scattering Evidence for a Periodically Modulated Superconducting Phase in the Underdoped Cuprate $\text{La}_{1-x}\text{Pr}_x\text{CuO}_2$. Physical Review Letters, 2014, 113, 177002. | 7.8 | 24 |
| 120 | Origin of the charge gap in LaMnPO . Physical Review B, 2014, 90, . | 3.2 | 18 |
| 121 | Strong Anisotropic Dynamics of Ultra-Confined Water. Journal of Physical Chemistry B, 2014, 118, 13414-13419. | 2.6 | 28 |
| 122 | Anomalously large isotope effect in the glass transition of water. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 17402-17407. | 7.1 | 57 |
| 123 | Terahertz image processing for the skin cancer diagnostic. , 2014, , . | | 2 |
| 124 | Conversion of CH_4 into H_2 at 300C Using Pd/ MnO_2 Catalyst Made with an Effect of Water Oxidation. ECS Transactions, 2014, 58, 81-85. | 0.5 | 1 |
| 125 | Inelastic neutron scattering studies of YFeO_3 . Physical Review B, 2014, 89, . | 3.2 | 46 |
| 126 | Vibrational Density of States of Strongly H-Bonded Interfacial Water: Insights from Inelastic Neutron Scattering and Theory. Journal of Physical Chemistry C, 2014, 118, 10805-10813. | 3.1 | 48 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 127 | A comparison of four direct geometry time-of-flight spectrometers at the Spallation Neutron Source. Review of Scientific Instruments, 2014, 85, 045113. | 1.3 | 107 |
| 128 | Role of Surface Structure on Li-Ion Energy Storage Capacity of Two-Dimensional Transition-Metal Carbides. Journal of the American Chemical Society, 2014, 136, 6385-6394. | 13.7 | 1,164 |
| 129 | Boson Peak in Deeply Cooled Confined Water: A Possible Way to Explore the Existence of the Liquid-to-Liquid Transition in Water. Physical Review Letters, 2014, 112, 237802. | 7.8 | 24 |
| 130 | Unsupervised segmentation and approximation of digital curves with rate-distortion curve modeling. Pattern Recognition, 2014, 47, 623-633. | 8.1 | 7 |
| 131 | Investigation of Phonon-Like Excitations in Hydrated Protein Powders by Neutron Scattering. Biophysical Journal, 2014, 106, 236a. | 0.5 | 1 |
| 132 | Closed-Form Approximate CRF Training for Scalable Image Segmentation. Lecture Notes in Computer Science, 2014, , 550-565. | 1.3 | 6 |
| 133 | Effect of crystal structure of manganese dioxide on response for electrolyte of a hydrogen sensor operative at room temperature. Sensors and Actuators B: Chemical, 2013, 183, 641-647. | 7.8 | 12 |
| 134 | Surface structure of large germanium single crystals. Journal of Surface Investigation, 2013, 7, 1060-1062. | 0.5 | 1 |
| 135 | Inelastic neutron scattering, Raman and DFT investigations of the adsorption of phenanthrenequinone on onion-like carbon. Carbon, 2013, 52, 150-157. | 10.3 | 14 |
| 136 | Anisotropic dynamics of water ultraconfined in macroscopically oriented channels of single-crystal beryl: A multifrequency analysis. Physical Review E, 2013, 88, 052306. | 2.1 | 28 |
| 137 | Refinement of the crystal structure of the high-temperature phase G 0 in (NH ₄) ₂ WO ₂ F ₄ (powder, X-ray). Tj ETQq1 1 0.784314 rgBT / Dv 0.6 2 | | |
| 138 | Charge-Dependent Dynamics of a Polyelectrolyte Dendrimer and Its Correlation with Invasive Water. Journal of the American Chemical Society, 2013, 135, 5111-5117. | 13.7 | 12 |
| 139 | Structure and Stability of SnO ₂ Nanocrystals and Surface-Bound Water Species. Journal of the American Chemical Society, 2013, 135, 6885-6895. | 13.7 | 67 |
| 140 | Spin Pseudogap in Ni-Doped SrCuO_2 . Physical Review Letters, 2013, 111, 067204. | 7.8 | 39 |
| 141 | Phase diagram and magnetic structures of the Co-bearing dugganites Pb ₃ TeCo ₃ A ₂ O ₁₄ (A = V, P). Journal of Physics Condensed Matter, 2013, 25, 246004. | 1.8 | 6 |
| 142 | The thermodynamic properties of hydrated Al_2O_3 nanoparticles. Journal of Chemical Physics, 2013, 139, 244705. | 3.0 | 16 |
| 143 | The quantum nature of the OH stretching mode in ice and water probed by neutron scattering experiments. Journal of Chemical Physics, 2013, 139, 074504. | 3.0 | 39 |
| 144 | Neutron scattering study of magnetic excitations in a d -based double-perovskite Ba ₂ FeReO ₆ . Physical Review Letters, 2013, 111, 067204. | 3.2 | 18 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 145 | Search for the first-order liquid-to-liquid phase transition in low-temperature confined water by neutron scattering. AIP Conference Proceedings, 2013, , . | 0.4 | 3 |
| 146 | <i>Ab initio</i> simulation of hydrogen bonding in ices under ultra-high pressure. Journal of Chemical Physics, 2012, 137, 204507. | 3.0 | 20 |
| 147 | Combined inelastic neutron scattering and solid-state DFT study of dynamics of hydrogen atoms in trioctahedral 1M phlogopite. Physics and Chemistry of Minerals, 2012, 39, 779-787. | 0.8 | 1 |
| 148 | Evidence for an anomalous quantum state of protons in nanoconfined water. Physical Review B, 2012, 85, . | 3.2 | 56 |
| 149 | Electrochemical property of proton-conductive manganese dioxide for sensing hydrogen gas concentration. Solid State Ionics, 2012, 225, 282-285. | 2.7 | 6 |
| 150 | Water dynamics in a lithium chloride aqueous solution probed by Brillouin neutron and x-ray scattering. Journal of Physics Condensed Matter, 2012, 24, 064102. | 1.8 | 14 |
| 151 | Restricted dynamics of molecular hydrogen confined in activated carbon nanopores. Carbon, 2012, 50, 1071-1082. | 10.3 | 29 |
| 152 | Segmentation and multi-model approximation of digital curves. Pattern Recognition Letters, 2012, 33, 1171-1179. | 4.2 | 8 |
| 153 | ISE-bounded polygonal approximation of digital curves. Pattern Recognition Letters, 2012, 33, 1329-1337. | 4.2 | 20 |
| 154 | Determining the Number of Clusters with Rate-Distortion Curve Modeling. Lecture Notes in Computer Science, 2012, , 43-50. | 1.3 | 2 |
| 155 | Influence of Particle Size and Water Coverage on the Thermodynamic Properties of Water Confined on the Surface of SnO ₂ Cassiterite Nanoparticles. Journal of Physical Chemistry C, 2011, 115, 21105-21112. | 3.1 | 19 |
| 156 | Neutron spectroscopy of magnesium dihydride. Journal of Alloys and Compounds, 2011, 509, S599-S603. | 5.5 | 13 |
| 157 | Efficient Online Algorithms for the Polygonal Approximation of Trajectory Data. , 2011, , . | | 5 |
| 158 | Fast Proton Hopping Detection in Ice I _h by Quasi-Elastic Neutron Scattering. Journal of Physical Chemistry C, 2011, 115, 10245-10251. | 3.1 | 35 |
| 159 | Energetics of single-wall carbon nanotubes as revealed by calorimetry and neutron scattering. Carbon, 2011, 49, 949-954. | 10.3 | 17 |
| 160 | Sensing hydrogen gas concentration using electrolyte made of proton conductive manganese dioxide. Sensors and Actuators B: Chemical, 2011, 155, 893-896. | 7.8 | 7 |
| 161 | Quasielastic neutron scattering study of water confined in carbon nanopores. Europhysics Letters, 2011, 95, 56001. | 2.0 | 24 |
| 162 | Determination of the magnetic contribution to the heat capacity of cobalt oxide nanoparticles and the thermodynamic properties of the hydration layers. Journal of Physics Condensed Matter, 2011, 23, 205303. | 1.8 | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 163 | Evolution of the phonon density of states of LaCoO ₃ over the spin state transition. <i>Physical Review B</i> , 2011, 83, . | 3.2 | 8 |
| 164 | Singlet-Triplet Excitations in the Unconventional Spin-Peierls TiOBr Compound. <i>Physical Review Letters</i> , 2011, 106, 117401. | 7.8 | 8 |
| 165 | Dynamics of Water Confined on the Surface of Titania and Cassiterite Nanoparticles. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1352, 47. | 0.1 | 3 |
| 166 | Combined inelastic neutron scattering and solid-state density functional theory study of dynamics of hydrogen atoms in muscovite 2M1. <i>American Mineralogist</i> , 2011, 96, 301-307. | 1.9 | 5 |
| 167 | Nonparametric polygonal and multimodel approximation of digital curves with Rate-Distortion curve modeling. , 2011, , . | | 5 |
| 168 | Structure and dynamics of concentrated aqueous solutions of aluminium chloride, beryllium chloride and aluminium bromide: Raman, inelastic neutron scattering and x-ray diffraction results. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 149801-149801. | 1.8 | 0 |
| 169 | Structural defects in germanium single crystals. <i>Journal of Surface Investigation</i> , 2010, 4, 994-997. | 0.5 | 9 |
| 170 | Phonon density of states of model ferroelectrics. <i>Materials Research Society Symposia Proceedings</i> , 2010, 1262, 1. | 0.1 | 1 |
| 171 | Neutron scattering and scaling behavior in $URu_{2-x}Ce_x$. <i>Physical Review B</i> , 2010, 82, . | 3.2 | 14 |
| 172 | Approximation of digitized curves with cubic Bézier splines. , 2010, , . | | 4 |
| 173 | Fast algorithm for error-bounded compression of digital curves. , 2010, , . | | 1 |
| 174 | Kondo behavior, ferromagnetic correlations, and crystal fields in the heavy-fermion compounds $Ce_{1-x}Th_x$. <i>Physical Review B</i> , 2010, 82, . | | |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 181 | Neutron spectroscopy of H impurities in PdD: Covibrations of the H and D atoms. Physical Review B, 2009, 80, . | 3.2 | 11 |
| 182 | Theoretical investigation of the vibrational properties of BeH_2 and Li_2O . Physical Review B, 2009, 80, . | 3.2 | 8 |
| 183 | Crystallization in heat-treated fluorochlorozirconate glasses. Journal of Physics Condensed Matter, 2009, 21, 375103. | 1.8 | 10 |
| 184 | Studies of Mineral-Water Surfaces. Neutron Scattering Applications and Techniques, 2009, , 235-256. | 0.2 | 7 |
| 185 | Large phonon band gap in SrTiO_3 and the vibrational signatures of ferroelectricity in AlH_3 and AlD_3 . Physical Review B, 2008, 78, . | 3.2 | 88 |
| 186 | Heat capacity of AlH_3 and AlD_3 at temperatures up to 1000 K. Journal of Physics Condensed Matter, 2008, 20, 275204. | 1.8 | 10 |
| 187 | Vibrational dynamics of amorphous beryllium hydride and lithium beryllium hydrides. Journal of Chemical Physics, 2008, 128, 134512. | 3.0 | 15 |
| 188 | Constrained piecewise linear approximation of digital curves. , 2008, , . | | 7 |
| 189 | Carbon-hydrogen bonding in near-frictionless carbon. Applied Physics Letters, 2008, 93, . | 3.3 | 11 |
| 190 | Fast algorithm for ISE-bounded polygonal approximation. , 2008, , . | | 7 |
| 191 | An online polygonal approximation of digital signals and curves with Dynamic Programming algorithm. , 2008, , . | | 1 |
| 192 | Observation of two O-H covalent bonds of water in the TbCo_3 A singlet ground state. Physical Review B, 2008, 78, . | 3.2 | 8 |
| 193 | Dynamic Crossover Phenomenon in Confined Supercooled Water and Its Relation to the Existence of a Liquid-Liquid Critical Point in Water. AIP Conference Proceedings, 2008, , . | 0.4 | 20 |
| 194 | Glass Ceramics for High-Resolution Imaging. , 2008, , . | | 0 |
| 195 | Vector maps compression for progressive transmission. , 2007, , . | | 1 |
| 196 | Distortion-constrained compression of vector maps. , 2007, , . | | 3 |
| 197 | Lattice dynamics of AlH_3 and AlD_3 by inelastic neutron scattering: High-energy band of optical bond-stretching vibrations. Physical Review B, 2007, 76, . | 3.2 | 18 |
| 198 | Observation of two O-H covalent bonds of water in the NaCo_2O_6 \hat{a}^{TM} H_2 . Physical Review B, 2007, 76, . | 3.2 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 199 | Observation of a dynamic crossover in water confined in double-wall carbon nanotubes. <i>Physical Review E</i> , 2007, 76, 021505. | 2.1 | 68 |
| 200 | Crystal structure and lattice dynamics of chromium hydrides. <i>Journal of Alloys and Compounds</i> , 2007, 430, 22-28. | 5.5 | 22 |
| 201 | Anharmonicity of optical hydrogen vibrations in RhH. <i>Journal of Alloys and Compounds</i> , 2007, 446-447, 508-511. | 5.5 | 4 |
| 202 | Neutron spectroscopy study of single-walled carbon nanotubes hydrogenated under high pressure. <i>Journal of Alloys and Compounds</i> , 2007, 446-447, 389-392. | 5.5 | 5 |
| 203 | Dynamics of Water Confined on a TiO ₂ (Anatase) Surface. <i>Journal of Physical Chemistry A</i> , 2007, 111, 12584-12588. | 2.5 | 54 |
| 204 | Crystal field excitations in the singlet ground state compound Pr ₃ In. <i>Journal of Applied Physics</i> , 2007, 101, 09D505. | 2.5 | 8 |
| 205 | Lossless Compression of Color Map Images by Context Tree Modeling. <i>IEEE Transactions on Image Processing</i> , 2007, 16, 114-120. | 9.8 | 21 |
| 206 | Lossless compression of map contours by context tree modeling of chain codes. <i>Pattern Recognition</i> , 2007, 40, 944-952. | 8.1 | 28 |
| 207 | Inelastic neutron scattering and DFT study of 2-amino-3-hydroxymethyl-1,3-propane diol (TRIS). <i>Chemical Physics</i> , 2007, 340, 245-259. | 1.9 | 2 |
| 208 | Polygonal approximation of closed discrete curves. <i>Pattern Recognition</i> , 2007, 40, 1282-1293. | 8.1 | 49 |
| 209 | Phase transitions of interfacial water at 165 and 240 K. Connections to bulk water physics and protein dynamics. <i>European Physical Journal: Special Topics</i> , 2007, 141, 227-233. | 2.6 | 28 |
| 210 | Origins of isotopomeric polymorphism. <i>Isotopes in Environmental and Health Studies</i> , 2006, 42, 271-277. | 1.0 | 8 |
| 211 | Anomalously soft dynamics of water in carbon nanotubes. <i>Physica B: Condensed Matter</i> , 2006, 385-386, 272-274. | 2.7 | 26 |
| 212 | Extraction of metals from natural waters: A neutron characterization of the nanostructured manganese-oxide-based adsorbents. <i>Physica B: Condensed Matter</i> , 2006, 385-386, 493-495. | 2.7 | 4 |
| 213 | Inelastic neutron scattering and lattice dynamics studies of AlPO ₄ and GaPO ₄ . <i>Physica B: Condensed Matter</i> , 2006, 385-386, 147-149. | 2.7 | 2 |
| 214 | Further evidence of a liquid-liquid transition in interfacial water. <i>Journal of Physics Condensed Matter</i> , 2006, 18, S2299-S2304. | 1.8 | 20 |
| 215 | Structure and dynamics of water confined in single-wall carbon nanotubes. <i>Journal of Physics Condensed Matter</i> , 2006, 18, S2321-S2334. | 1.8 | 22 |
| 216 | Low-energy neutron vibrational spectra of high pressure phases of ice. <i>Journal of Neutron Research</i> , 2006, 14, 325-331. | 1.1 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 217 | Anomalous Behavior of Proton Zero Point Motion in Water Confined in Carbon Nanotubes. Physical Review Letters, 2006, 97, 247801. | 7.8 | 87 |
| 218 | Dynamics of water confined in single- and double-wall carbon nanotubes. Journal of Chemical Physics, 2006, 124, 194703. | 3.0 | 117 |
| 219 | Crystal structure and lattice dynamics of high-pressure scandium trihydride. Physical Review B, 2006, 73, . | 3.2 | 25 |
| 220 | Quasielastic and inelastic neutron scattering investigation of fragile-to-strong crossover in deeply supercooled water confined in nanoporous silica matrices. Journal of Physics Condensed Matter, 2006, 18, S2261-S2284. | 1.8 | 67 |
| 221 | Methods for measuring light scattering in germanium and paratellurite crystals. Crystallography Reports, 2005, 50, S46-S52. | 0.6 | 1 |
| 222 | Data reduction of large vector graphics. Pattern Recognition, 2005, 38, 381-394. | 8.1 | 40 |
| 223 | Optimal Encoding of Vector Data with Polygonal Approximation and Vertex Quantization. Lecture Notes in Computer Science, 2005, , 1186-1195. | 1.3 | 4 |
| 224 | Experimental Observations of Water's Framework Interactions in a Hydrated Microporous Aluminum Phosphate. Journal of Physical Chemistry B, 2005, 109, 4464-4469. | 2.6 | 10 |
| 225 | Optical transparency of crystalline germanium. Journal of Optical Technology (A Translation of Opticheski Zhurnal), 2005, 72, 564. | 0.4 | 6 |
| 226 | Light scattering by single crystals of paratellurite and germanium. Journal of Optical Technology (A Translation of Opticheski Zhurnal), 2005, 72, 572. | 0.4 | 1 |
| 227 | Measuring the light-attenuation coefficients of germanium and paratellurite crystals. Journal of Optical Technology (A Translation of Opticheski Zhurnal), 2005, 72, 564. | 0.4 | 6 |
| 228 | The relationship between mechanical stresses and optical anomalies in germanium and paratellurite. Journal of Optical Technology (A Translation of Opticheski Zhurnal), 2005, 72, 572. | 0.4 | 1 |
| 229 | Neutron scattering studies of α -CoH. Journal of Alloys and Compounds, 2005, 404-406, 73-76. | 5.5 | 16 |
| 230 | Neutron-scattering characterization of nanostructured materials relevant to biotechnology. Nanotechnology, 2004, 15, S664-S671. | 2.6 | 6 |
| 231 | Negative thermal expansion in cubic $ZrMo_2O_8$: Inelastic neutron scattering and lattice dynamical studies. Physical Review B, 2004, 70, . | 3.2 | 41 |
| 232 | Dynamic magnetic susceptibility of $Gd_5Si_2Ge_2$ and $Gd_4YSi_{1.9}Ge_2$. Journal of Applied Physics, 2004, 95, 7207-7209. | 2.5 | 5 |
| 233 | Structure and Dynamics of Water Adsorbed in Carbon Nanotubes: A Joint Neutron-Scattering and Molecular-Dynamics Study. Materials Research Society Symposia Proceedings, 2004, 840, Q1.8.1. | 0.1 | 0 |
| 234 | Neutron Spectroscopy of Carbon nano-Materials. Materials Research Society Symposia Proceedings, 2004, 840, Q2.3.1. | 0.1 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 235 | Structure, proton incorporation and transport properties of ceramic proton conductor Ba(Ce _{0.7} Zr _{0.2} Yb _{0.1})O _{3-δ} . Materials Research Society Symposia Proceedings, 2004, 835, K1.4.1. | 0.1 | 1 |
| 236 | Structure and dynamics of concentrated aqueous solutions of aluminium chloride, beryllium chloride and aluminium bromide: Raman, inelastic neutron scattering and x-ray diffraction results. Journal of Physics Condensed Matter, 2004, 16, 6343-6364. | 1.8 | 13 |
| 237 | Low-angle boundaries in germanium. Crystallography Reports, 2004, 49, 184-187. | 0.6 | 0 |
| 238 | Inelastic neutron scattering and lattice dynamics of GaPO ₄ . Pramana - Journal of Physics, 2004, 63, 405-408. | 1.8 | 2 |
| 239 | Muon spin-relaxation studies of high pressure phases of ices. Physica B: Condensed Matter, 2004, 350, E451-E454. | 2.7 | 1 |
| 240 | Anomalously Soft Dynamics of Water in a Nanotube: A Revelation of Nanoscale Confinement. Physical Review Letters, 2004, 93, 035503. | 7.8 | 486 |
| 241 | The Shortest Symmetrical H \cdots H-O Hydrogen Bond Has a Low-Barrier Double-Well Potential. Journal of Physical Chemistry B, 2004, 108, 6922-6926. | 2.6 | 36 |
| 242 | High-Pressure Hydrides of Iron and Its Alloys. ChemInform, 2003, 34, no. | 0.0 | 0 |
| 243 | Reduced-search dynamic programming for approximation of polygonal curves. Pattern Recognition Letters, 2003, 24, 2243-2254. | 4.2 | 72 |
| 244 | Neutron-scattering studies of the phase transitions in high-pressure ices during annealing. Canadian Journal of Physics, 2003, 81, 401-407. | 1.1 | 2 |
| 245 | Incoherent inelastic neutron-scattering studies of the structure of water associated with DNA and gelatin. Canadian Journal of Physics, 2003, 81, 367-371. | 1.1 | 7 |
| 246 | Polygonal Approximation of Closed Contours. Lecture Notes in Computer Science, 2003, , 778-785. | 1.3 | 9 |
| 247 | Defect hydrogen vibrations in various phases deuterium ice. Journal of Chemical Physics, 2003, 119, 3332-3335. | 3.0 | 2 |
| 248 | Inelastic neutron scattering and lattice dynamical calculation of negative thermal expansion in HfW ₂ O ₈ . Physical Review B, 2003, 68, . | 3.2 | 29 |
| 249 | Inelastic neutron scattering studies of TbNiAlH _{1.4} and UNiAlH _{2.0} hydrides. Journal of Physics Condensed Matter, 2003, 15, 2551-2559. | 1.8 | 0 |
| 250 | Inelastic neutron scattering, lattice dynamics, and synchrotron x-ray diffraction study of FePO ₄ . Physical Review B, 2002, 66, . | 3.2 | 17 |
| 251 | High-pressure hydrides of iron and its alloys. Journal of Physics Condensed Matter, 2002, 14, 6427-6445. | 1.8 | 55 |
| 252 | Elongation factor G with effector loop from elongation factor Tu is inactive in translocation. FEBS Letters, 2002, 514, 67-69. | 2.8 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 253 | Giant tunnelling effect of hydrogen and deuterium in δ manganese. Journal of Alloys and Compounds, 2002, 330-332, 462-466. | 5.5 | 4 |
| 254 | Lattice dynamics of high-pressure hydrides of the group VI-VIII transition metals. Physica B: Condensed Matter, 2002, 316-317, 158-161. | 2.7 | 10 |
| 255 | The first observation of the boson peak from water vapour deposited amorphous ice. Physica B: Condensed Matter, 2002, 316-317, 493-496. | 2.7 | 7 |
| 256 | Liquid-like dynamical behaviour of water in silica gel at 5 K. Journal of Molecular Liquids, 2002, 96-97, 317-325. | 4.9 | 2 |
| 257 | Neutron spectroscopic investigation of dynamics of water ice. Journal of Molecular Liquids, 2002, 100, 1-39. | 4.9 | 77 |
| 258 | Thermodynamic properties and structural features of water at normal and high pressures. Solid State Ionics, 2001, 145, 415-420. | 2.7 | 3 |
| 259 | Phonon Density of States in MgB ₂ . Physical Review Letters, 2001, 87, 017005. | 7.8 | 183 |
| 260 | Neutron spectroscopy of ReH _{0.09} . Physical Review B, 2001, 64, . | 3.2 | 5 |
| 261 | Neutron spectroscopy of manganese hydride. Solid State Communications, 2000, 113, 569-572. | 1.9 | 21 |
| 262 | Inelastic neutron scattering investigation of Greenland ices. Physica B: Condensed Matter, 2000, 276-278, 282-283. | 2.7 | 8 |
| 263 | Inelastic neutron scattering study of water in the sub- and supercritical region. Physica B: Condensed Matter, 2000, 276-278, 444-445. | 2.7 | 4 |
| 264 | Pressure effect on the hydrogen vibrations in δ -TiH and δ -ZrH. Journal of Physics Condensed Matter, 2000, 12, 4757-4765. | 1.8 | 7 |
| 265 | Inelastic neutron scattering study of water in the subcritical and supercritical region. Physical Review B, 2000, 62, 5492-5495. | 3.2 | 19 |
| 266 | Neutron diffraction and reverse Monte Carlo study of bulk amorphous Ga ₃₈ Sb ₃₈ Ge ₂₄ alloys. Physical Review B, 2000, 62, 9372-9377. | 3.2 | 7 |
| 267 | Anisotropy in the inelastic neutron scattering from fcc NiH. Europhysics Letters, 2000, 51, 140-146. | 2.0 | 8 |
| 268 | Hydrogen vibrations in δ -TiH and δ -ZrH under high pressure. High Pressure Research, 2000, 17, 281-288. | 1.2 | 1 |
| 269 | Neutron spectroscopy of ice VIII in the region of 20-500 meV. Physical Review B, 1999, 59, 9088-9094. | 3.2 | 15 |
| 270 | Neutron-diffraction study of bulk amorphous Al ₃₂ Ge ₆₈ alloy. Physical Review B, 1999, 60, 12681-12686. | 3.2 | 10 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 271 | Neutron scattering study and lattice dynamical simulation of clathrate H ₂ O+He. Physica B: Condensed Matter, 1999, 263-264, 429-431. | 2.7 | 13 |
| 272 | The vibrational spectrum and giant tunnelling effect of hydrogen dissolved in $\hat{1}\pm$ -Mn. Physica B: Condensed Matter, 1999, 263-264, 421-423. | 2.7 | 14 |
| 273 | Neutron spectroscopy of fullerite hydrogenated under high pressures. Physica B: Condensed Matter, 1999, 263-264, 436-438. | 2.7 | 18 |
| 274 | Neutron spectroscopy of high-density amorphous ice. Physica B: Condensed Matter, 1999, 263-264, 650-652. | 2.7 | 10 |
| 275 | Vibrational dynamics of amorphous ice. Physical Review B, 1999, 59, 3569-3578. | 3.2 | 80 |
| 276 | Neutron scattering study of bulk amorphous GaSb. Journal of Non-Crystalline Solids, 1999, 244, 250-259. | 3.1 | 15 |
| 277 | âœln situâœ•neutron scattering studies of ice under high pressure. High Pressure Research, 1999, 16, 187-199. | 1.2 | 5 |
| 278 | Neutron Spectroscopy of Vapour Deposited Amorphous Ice. , 1999, , 305-307. | | 0 |
| 279 | Neutron diffraction investigation of $\hat{1}^3$ manganese hydride. Solid State Communications, 1998, 107, 787-790. | 1.9 | 14 |
| 280 | Neutron diffraction investigation of the dhcp and hcp iron hydrides and deuterides. Journal of Alloys and Compounds, 1998, 264, 214-222. | 5.5 | 78 |
| 281 | Strong anisotropy in the inelastic neutron scattering from PdH at high energy transfer. Physical Review B, 1998, 58, 2591-2595. | 3.2 | 47 |
| 282 | Neutron scattering studies of the structure and lattice dynamics of a solid solution of hydrogen in -manganese. Journal of Physics Condensed Matter, 1998, 10, 5255-5266. | 1.8 | 14 |
| 283 | Weakened hydrogen bond interactions in the high pressure phase of ice: Ice II. Journal of Chemical Physics, 1998, 109, 235-240. | 3.0 | 17 |
| 284 | Neutron-Scattering Studies of Ice Prepared by Different Thermobaric Treatments. Journal of Physical Chemistry B, 1997, 101, 6082-6086. | 2.6 | 23 |
| 285 | Lattice Dynamical Calculations of Ice VIII. Journal of Physical Chemistry B, 1997, 101, 6087-6089. | 2.6 | 8 |
| 286 | Neutron spectroscopy of fullerite hydrogenated under high pressure; evidence for interstitial molecular hydrogen. Journal of Physics Condensed Matter, 1997, 9, 2831-2838. | 1.8 | 31 |
| 287 | Neutron Scattering Studies of Vapor Deposited Amorphous Ice. Physical Review Letters, 1997, 79, 1869-1872. | 7.8 | 36 |
| 288 | Neutron spectroscopy of C ₆₀ H _x quenched under hydrogen pressure. Physica B: Condensed Matter, 1997, 234-236, 10-12. | 2.7 | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 289 | Multiphonon contributions in inelastic neutron scattering spectra of ice. <i>Physica B: Condensed Matter</i> , 1997, 234-236, 34-36. | 2.7 | 24 |
| 290 | Bulk amorphous Zn ₄₁ Sb ₅₉ and GaSb studied by neutron diffraction. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1997, 226-228, 448-452. | 5.6 | 4 |
| 291 | Bulk Amorphous Ga _{1-x} Sb Semiconductors Prepared by Thermobaric Treatment: Formation and Properties. <i>Physica Status Solidi (B): Basic Research</i> , 1996, 198, 491-496. | 1.5 | 9 |
| 292 | Neutron spectroscopy of aluminium trihydride. <i>Journal of Physics Condensed Matter</i> , 1996, 8, 2529-2538. | 1.8 | 11 |
| 293 | Neutron scattering study of a high-pressure polymeric phase. <i>Journal of Physics Condensed Matter</i> , 1996, 8, 10939-10949. | 1.8 | 5 |
| 294 | Particular singular faces in single crystals. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 1996, 52, C462-C462. | 0.3 | 0 |
| 295 | Structure and dynamics of different phases of the superprotonic conductor CsHSO ₄ . <i>Physica B: Condensed Matter</i> , 1995, 213-214, 1034-1036. | 2.7 | 9 |
| 296 | Phonon spectra of ordered PdCuH and PdAgH prepared under a high hydrogen pressure. <i>Physica B: Condensed Matter</i> , 1995, 213-214, 442-444. | 2.7 | 3 |
| 297 | Similarity of vibrational spectra of high-density amorphous ice and high-pressure phase ice VI. <i>Physica B: Condensed Matter</i> , 1995, 213-214, 474-476. | 2.7 | 14 |
| 298 | Phonons and bound multiphonons in the $\hat{\Gamma}^3$ -phases of TiH and ZrH: Neutron spectroscopy studies. <i>Physica B: Condensed Matter</i> , 1995, 213-214, 445-447. | 2.7 | 2 |
| 299 | Structure and lattice dynamics of titanium hydrides due to thermobaric treatment. <i>High Pressure Research</i> , 1995, 14, 91-100. | 1.2 | 10 |
| 300 | Neutron scattering studies of structural transformations and vibrational spectra of ice after high pressure treatment. <i>High Pressure Research</i> , 1995, 14, 101-109. | 1.2 | 1 |
| 301 | Neutron scattering studies of ordered PdCuH and PdAgH prepared under a high hydrogen pressure. <i>High Pressure Research</i> , 1995, 14, 81-89. | 1.2 | 5 |
| 302 | Globular germanium precipitation from supersaturated Al(Ge) solid solutions prepared by thermobaric treatments. <i>Journal of Non-Crystalline Solids</i> , 1995, 192-193, 486-489. | 3.1 | 1 |
| 303 | Inelastic neutron scattering study of ordered gamma-ZrH. <i>Journal of Physics Condensed Matter</i> , 1994, 6, 8989-9000. | 1.8 | 16 |
| 304 | Lattice dynamics and effects of anharmonicity in different phases of caesium hydrogen sulphate. <i>Journal of Physics Condensed Matter</i> , 1994, 6, 5823-5832. | 1.8 | 5 |
| 305 | Neutron scattering studies of the vibrational spectrum of high-density amorphous ice in comparison with ice Ih and VI. <i>Journal of Physics Condensed Matter</i> , 1994, 6, 375-382. | 1.8 | 25 |
| 306 | Neutron scattering studies of the structure and dynamics of the PdCu-H ordered phase produced under a high hydrogen pressure. <i>Journal of Physics Condensed Matter</i> , 1994, 6, 9001-9008. | 1.8 | 9 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 307 | Neutron scattering studies of ordered gamma -ZrD. Journal of Physics Condensed Matter, 1994, 6, 8977-8988. | 1.8 | 33 |
| 308 | Neutron diffraction study of bulk amorphous Zn ₄₁ Sb ₅₉ . Journal of Non-Crystalline Solids, 1994, 176, 263-270. | 3.1 | 16 |
| 309 | Neutron Spectroscopy of Phonon and Bound Multiphonon States in $\hat{\Gamma}^3$ -ZrH. Materials Research Society Symposia Proceedings, 1994, 376, 733. | 0.1 | 0 |
| 310 | Phonon Spectra of Ordered Pd _{cu} h and Pd _{agh} Produced Under a High Hydrogen Pressure. Materials Research Society Symposia Proceedings, 1994, 376, 739. | 0.1 | 0 |
| 311 | Similarity of Vibrational Spectra of High Density Amorphous Ice and High Pressure Phase Ice VI. Materials Research Society Symposia Proceedings, 1994, 376, 745. | 0.1 | 0 |
| 312 | Neutron scattering and specific heat study of AlGe and AlSi alloys quenched under high pressure. Journal of Physics Condensed Matter, 1993, 5, 4737-4748. | 1.8 | 5 |
| 313 | A real-time neutron diffraction study of phase transitions in the Ti-D system after high-pressure treatment. Journal of Physics Condensed Matter, 1993, 5, 5045-5058. | 1.8 | 18 |
| 314 | Inelastic neutron scattering study of the ordered Pd-Ag-H hydrides. Journal of Physics Condensed Matter, 1993, 5, 7075-7086. | 1.8 | 7 |
| 315 | Hydrogen Interaction and Bound Multiphonon States in Vibrational Spectra of Titanium Hydrides*. Zeitschrift Fur Physikalische Chemie, 1993, 179, 335-342. | 2.8 | 5 |
| 316 | Phase separation in titanium hydrides studied by small-angle neutron scattering. European Physical Journal Special Topics, 1993, 03, C8-287-C8-290. | 0.2 | 1 |
| 317 | Neutron scattering study of metastable high pressure ice VIII. High Pressure Research, 1992, 9, 225-228. | 1.2 | 0 |
| 318 | Strong anharmonic H(D) vibrations in the $\hat{\Gamma}$ -phase of titanium hydride: observation of bound multiphonon states. Physica B: Condensed Matter, 1992, 180-181, 284-286. | 2.7 | 9 |
| 319 | Inelastic incoherent neutron scattering study of D ₂ O and H ₂ O ice VIII in the range 2â€“140 meV. Physics Letters, Section A: General, Atomic and Solid State Physics, 1992, 168, 308-312. | 2.1 | 43 |
| 320 | Inelastic neutron scattering n amorphous and crystalline phases of Zn $\hat{\Gamma}$ -Sb and Cd $\hat{\Gamma}$ -Sb systems produced by thermobaric treatments. Solid State Communications, 1991, 78, 331-334. | 1.9 | 3 |
| 321 | Neutron spectroscopy of MnH _{0.86} , NiH _{1.05} , PdH _{0.99} and harmonic behaviour of their optical phonons. Physica B: Condensed Matter, 1991, 174, 257-261. | 2.7 | 52 |
| 322 | Neutron spectroscopy of TiH _{0.74} after high pressure treatment. Journal of Physics Condensed Matter, 1991, 3, 5927-5936. | 1.8 | 27 |
| 323 | Dynamics of disordered materials. Uspekhi Fizicheskikh Nauk, 1990, 33, 401-401. | 0.3 | 0 |
| 324 | Neutron Scattering Investigation of Metastable Phases of Titanium Hydride after Quenching under High Pressure*. Zeitschrift Fur Physikalische Chemie, 1989, 163, 709-714. | 2.8 | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 325 | Hydrogen vibrations in $H_x YBa_2 Cu_3 O_7$ superconducting ceramics. <i>Physica C: Superconductivity and Its Applications</i> , 1989, 162-164, 1369-1370. | 1.2 | 8 |
| 326 | Special features in the study of molecular structure of alkali metal tetrachloroaluminates. <i>Journal of Structural Chemistry</i> , 1985, 26, 358-363. | 1.0 | 0 |
| 327 | Harmonic Dynamics of Anthracene Crystal. <i>Molecular Crystals and Liquid Crystals</i> , 1984, 104, 207-230. | 0.8 | 7 |
| 328 | NEUTRON SPECTROSCOPY OF INTERNAL PHONONS OF NAPHTHALENE AND ANTHRACENE CRYSTALS. <i>Journal De Physique Colloque</i> , 1981, 42, C6-605-C6-607. | 0.2 | 1 |
| 329 | HARMONIC DYNAMICS OF ANTHRACENE AND NAPHTHALENE CRYSTALS. <i>Journal De Physique Colloque</i> , 1981, 42, C6-566-C6-568. | 0.2 | 0 |