

Heloisa N Bordallo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7539835/publications.pdf>

Version: 2024-02-01

150
papers

2,680
citations

218592

26
h-index

243529

44
g-index

156
all docs

156
docs citations

156
times ranked

2957
citing authors

#	ARTICLE	IF	CITATIONS
1	Using crystallography tools to improve vaccine formulations. IUCr, 2022, 9, 11-20.	1.0	2
2	Experimental methods to study clay minerals and perspective applications of Fluorohectorite. , 2022, 5, .		0
3	The development of new oral vaccines using porous silica. Journal of Physics Condensed Matter, 2022, , .	0.7	5
4	Optimization of the Guide Design of MIRACLES, the Neutron Time-of-Flight Backscattering Spectrometer at the European Spallation Source. Quantum Beam Science, 2022, 6, 3.	0.6	3
5	Water Dynamics in Cancer Cells: Lessons from Quasielastic Neutron Scattering. Medicina (Lithuania), 2022, 58, 654.	0.8	4
6	Assessing the efficiency of SBA-15 as a nanocarrier for diphtheria anatoxin. Microporous and Mesoporous Materials, 2021, 312, 110763.	2.2	9
7	Layer charge effects on anisotropy of interlayer water and structural OH dynamics in clay minerals probed by high-resolution neutron spectroscopy. Applied Clay Science, 2021, 201, 105928.	2.6	8
8	Assessing Diffusion Relaxation of Interlayer Water in Clay Minerals Using a Minimalist Three-Parameter Model. Journal of Physical Chemistry C, 2021, 125, 15085-15093.	1.5	8
9	Neutron scattering quantification of unfrozen pore water in frozen mud. Microporous and Mesoporous Materials, 2021, 324, 111267.	2.2	7
10	A Pulse-Multiplication Proposal for MIRACLES, the Neutron TOF-Backscattering Instrument at the European Spallation Source. Quantum Beam Science, 2021, 5, 2.	0.6	1
11	The instrument suite of the European Spallation Source. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 957, 163402.	0.7	90
12	Effect of Paclitaxel in the Water Dynamics of MCF-7 Breast Cancer Cells Revealed by Dielectric Spectroscopy. ACS Omega, 2020, 5, 18602-18607.	1.6	4
13	CO ₂ Capture by Nickel Hydroxide Interstratified in the Nanolayered Space of a Synthetic Clay Mineral. Journal of Physical Chemistry C, 2020, 124, 26222-26231.	1.5	12
14	The Impact of Thermal History on Water Adsorption in a Synthetic Nanolayered Silicate with Intercalated Li ⁺ or Na ⁺ . Journal of Physical Chemistry C, 2020, 124, 24690-24703.	1.5	7
15	Physicochemical characterisation of fluorohectorite: Water dynamics and nanocarrier properties. Microporous and Mesoporous Materials, 2020, 306, 110512.	2.2	11
16	Dynamical Accuracy of Water Models on Supercooling. Journal of Physical Chemistry Letters, 2020, 11, 7469-7475.	2.1	5
17	Ammonia Storage in Hydrogen Bond-Rich Microporous Polymers. ACS Applied Materials & Interfaces, 2020, 12, 58161-58169.	4.0	9
18	Spontaneous formation of an ordered interstratification upon Ni-exchange of Na-fluorohectorite. Applied Clay Science, 2020, 198, 105831.	2.6	7

#	ARTICLE	IF	CITATIONS
19	Mutations in a Single Signaling Pathway Allow Cell Growth in Heavy Water. <i>ACS Synthetic Biology</i> , 2020, 9, 733-748.	1.9	14
20	Is artificial intelligence magic dust for big-science facilities?. <i>IUCr</i> , 2020, 7, 1-2.	1.0	5
21	Human hair: subtle change in the thioester groups dynamics observed by combining neutron scattering, X-ray diffraction and thermal analysis. <i>European Physical Journal: Special Topics</i> , 2020, 229, 2825-2832.	1.2	5
22	Hydrogen bond dynamics and conformational flexibility in antipsychotics. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 15463-15470.	1.3	4
23	Antigenic and physicochemical characterization of Hepatitis B surface protein under extreme temperature and pH conditions. <i>Vaccine</i> , 2019, 37, 6415-6425.	1.7	8
24	Water dynamics in MCF-7 breast cancer cells: a neutron scattering descriptive study. <i>Scientific Reports</i> , 2019, 9, 8704.	1.6	23
25	Tailoring the energy resolution of MIRACLES, the time-of-flight "backscattering spectrometer at the ESS: An updated proposal for the chopper cascade. <i>Physica B: Condensed Matter</i> , 2019, 564, 64-68.	1.3	5
26	Dynamics of encapsulated hepatitis B surface antigen. <i>European Physical Journal: Special Topics</i> , 2019, 227, 2393-2399.	1.2	8
27	3D visualisation of hepatitis B vaccine in the oral delivery vehicle SBA-15. <i>Scientific Reports</i> , 2019, 9, 6106.	1.6	13
28	Octave program for fitting quasi-elastic neutron scattering data. <i>Physica B: Condensed Matter</i> , 2019, 561, 75-78.	1.3	2
29	Using neutron spectroscopy to measure soil-water retention at high suction ranges. <i>Canadian Geotechnical Journal</i> , 2019, 56, 1999-2003.	1.4	11
30	Nanoscale Mobility of Aqueous Polyacrylic Acid in Dental Restorative Cements. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 9904-9915.	4.0	23
31	Probing Water Mobility in Human Dentine with Neutron Spectroscopy. <i>Journal of Dental Research</i> , 2018, 97, 1017-1022.	2.5	7
32	Neutron scattering in the biological sciences: progress and prospects. <i>Acta Crystallographica Section D: Structural Biology</i> , 2018, 74, 1129-1168.	1.1	47
33	The pH influence on the intercalation of the bioactive agent ciprofloxacin in fluorohectorite. <i>Applied Clay Science</i> , 2018, 166, 288-298.	2.6	17
34	Insight into Nanoscale Network of Spray-Dried Polymeric Particles: Role of Polymer Molecular Conformation. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 36686-36692.	4.0	8
35	Sample cell for studying liquid interfaces with an <i>in situ</i> electric field using X-ray reflectivity and application to clay particles at oil-oil interfaces. <i>Journal of Synchrotron Radiation</i> , 2018, 25, 915-917.	1.0	1
36	Hydrogen bonds in crystalline D-alanine: diffraction and spectroscopic evidence for differences between enantiomers. <i>IUCr</i> , 2018, 5, 6-12.	1.0	7

#	ARTICLE	IF	CITATIONS
37	Response to comment on 'Hydrogen bonds in crystalline D-alanine: diffraction and spectroscopic evidence for differences between enantiomers'. IUCr, 2018, 5, 658-659.	1.0	0
38	Probing the dynamics of complexed local anesthetics via neutron scattering spectroscopy and DFT calculations. International Journal of Pharmaceutics, 2017, 524, 397-406.	2.6	14
39	Investigation of the Setting Reaction in Magnesium Phosphate Ceramics with Quasielastic Neutron Scattering. Journal of Physical Chemistry C, 2017, 121, 11355-11367.	1.5	21
40	Water Mobility in Chalk: A Quasielastic Neutron Scattering Study. Journal of Physical Chemistry C, 2017, 121, 14088-14095.	1.5	5
41	Ciprofloxacin intercalated in fluorohectorite clay: identical pure drug activity and toxicity with higher adsorption and controlled release rate. RSC Advances, 2017, 7, 26537-26545.	1.7	38
42	Raman and Infrared spectroscopies and X-ray diffraction data on bupivacaine and ropivacaine complexed with 2-hydroxypropyl- β -cyclodextrin. Data in Brief, 2017, 15, 25-29.	0.5	14
43	Electric Field Induced Polarization Effects Measured by in Situ Neutron Spectroscopy. Journal of Physical Chemistry C, 2017, 121, 23582-23591.	1.5	8
44	Water desorption and absorption isotherms of sodium montmorillonite: A QENS study. Applied Clay Science, 2017, 147, 97-104.	2.6	30
45	Encapsulation of diphtheria anatoxin into ordered mesoporous silica. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C1284-C1284.	0.0	0
46	Restricted mobility of specific functional groups reduces anti-cancer drug activity in healthy cells. Scientific Reports, 2016, 6, 22478.	1.6	8
47	Water dynamics in glass ionomer cements. European Physical Journal: Special Topics, 2016, 225, 773-777.	1.2	11
48	Conceptual design of the time-of-flight backscattering spectrometer, MIRACLES, at the European Spallation Source. Review of Scientific Instruments, 2016, 87, 085118.	0.6	23
49	Continuous water adsorption states promoted by Ni ²⁺ confined in a synthetic smectite. Applied Clay Science, 2016, 123, 83-91.	2.6	19
50	Nanoscale hydrogen bond network revealed by neutron scattering. Acta Crystallographica Section A: Foundations and Advances, 2016, 72, s42-s42.	0.0	0
51	Encapsulation of paclitaxel into a bio-nanocomposite. A study combining inelastic neutron scattering to thermal analysis and infrared spectroscopy. EPJ Web of Conferences, 2015, 83, 02011.	0.1	6
52	From BASIS to MIRACLES: Benchmarking and perspectives for high-resolution neutron spectroscopy at the ESS. EPJ Web of Conferences, 2015, 83, 03015.	0.1	12
53	How mobile are protons in the structure of dental glass ionomer cements?. Scientific Reports, 2015, 5, 8972.	1.6	27
54	Analysis of the crystallographic and magnetic structures of the Tb _{0.1} Pr _{0.9} Al ₂ and Tb _{0.25} Pr _{0.75} Al ₂ magnetocaloric compounds by means of neutron scattering. Journal of Materials Science, 2015, 50, 2884-2892.	1.7	3

#	ARTICLE	IF	CITATIONS
55	Enhancing the versatility of alternate current biosusceptometry (ACB) through the synthesis of a dextrose-modified tracer and a magnetic muco-adhesive cellulose gel. <i>Materials Science and Engineering C</i> , 2015, 48, 80-85.	3.8	9
56	Looking at hydrogen motions in confinement. <i>European Physical Journal: Special Topics</i> , 2014, 223, 1831-1847.	1.2	6
57	Encapsulation effects on the structure-dynamics on drug carriers revealed by neutron scattering. <i>Neutron News</i> , 2014, 25, 16-19.	0.1	4
58	Ferrimagnetism and spin excitation in a Ni ²⁺ /Mn partially inverted spinel prepared using a modified polymeric precursor method. <i>Materials Chemistry and Physics</i> , 2014, 146, 58-64.	2.0	7
59	Polymorphism of Paracetamol: A New Understanding of Molecular Flexibility through Local Methyl Dynamics. <i>Molecular Pharmaceutics</i> , 2014, 11, 1032-1041.	2.3	26
60	Development and characterization of a new bio-nanocomposite (bio-NCP) for diagnosis and treatment of breast cancer. <i>Journal of Alloys and Compounds</i> , 2014, 584, 514-519.	2.8	17
61	http://www.w3.org/1998/Math/MathML $CsNaAlF_6$ Cr_xF_6: A family of compounds presenting magnetocaloric effect. <i>Physical Review B</i> , 2014, 90, .	1.1	5
62	Neutron scattering, a powerful tool to study clay minerals. <i>Applied Clay Science</i> , 2014, 96, 22-35.	2.6	33
63	Molecular flexibility and structural instabilities in crystalline L-methionine. <i>Biophysical Chemistry</i> , 2013, 180-181, 76-85.	1.5	13
64	Summer Events 2012 at the Niels Bohr International Academy in Copenhagen. <i>Neutron News</i> , 2013, 24, 4-4.	0.1	0
65	Effects of Cr ³⁺ concentration on the optical properties of Cs ₂ NaAlF ₆ single crystals. <i>Journal of Luminescence</i> , 2013, 134, 100-106.	1.5	18
66	Using Raman spectroscopy to understand the origin of the phase transition observed in the crystalline sulfur based amino acid L-methionine. <i>Vibrational Spectroscopy</i> , 2013, 65, 132-141.	1.2	18
67	Nano-scale hydrogen-bond network improves the durability of greener cements. <i>Scientific Reports</i> , 2013, 3, 2667.	1.6	37
68	Evidence of broad emission band in the system MgGa ₂ O ₄ /Ga ₂ O ₃ doped with Cr ³⁺ ions. <i>Optical Materials</i> , 2013, 35, 543-546.	1.7	28
69	Polymorphic drugs examined with neutron spectroscopy: Is making more stable forms really that simple?. <i>Chemical Physics</i> , 2013, 427, 124-128.	0.9	7
70	Neutron Powder Diffraction Measurements of the Spinel MgGa ₂ O ₄ :Cr ³⁺ - A Comparative Study between the High Flux Diffractometer D2B at the ILL and the High Resolution Powder Diffractometer Aurora at IPEN. <i>Journal of Physics: Conference Series</i> , 2012, 340, 012041.	0.3	3
71	Neutron Time-of-Flight Quantification of Water Desorption Isotherms of Montmorillonite. <i>Journal of Physical Chemistry C</i> , 2012, 116, 5558-5570.	1.5	70
72	Application of Incoherent Inelastic Neutron Scattering in Pharmaceutical Analysis: Relaxation Dynamics in Phenacetin. <i>Molecular Pharmaceutics</i> , 2012, 9, 2434-2441.	2.3	15

#	ARTICLE	IF	CITATIONS
73	Lattice anisotropy in uranium ternary compounds: UTX. <i>Journal of Alloys and Compounds</i> , 2012, 522, 130-135.	2.8	27
74	Solitonic lattice and Yukawa forces in the rare-earth orthoferrite TbFeO ₃ . <i>Nature Materials</i> , 2012, 11, 694-699.	13.3	70
75	Structure–property relations in crystalline L-leucine obtained from calorimetry, X-rays, neutron and Raman scattering. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 6576.	1.3	22
76	Metamagnetism and soliton excitations in the modulated ferromagnetic Ising chain CoV ₂ O ₆ . <i>Physical Review B</i> , 2011, 84, .	1.1	39
77	Cracks and pores – Their roles in the transmission of water confined in cementitious materials. <i>European Physical Journal: Special Topics</i> , 2010, 189, 197-203.	1.2	4
78	Low-temperature Raman spectra of racemate DL-Alanine crystals. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 808-813.	1.2	16
79	High-pressure Raman spectra of racemate dl-alanine crystals. <i>Vibrational Spectroscopy</i> , 2010, 54, 107-111.	1.2	21
80	Observation of subtle dynamic transitions by a combination of neutron scattering, X-ray diffraction and DSC: A case study of the monoclinic L-cysteine. <i>Biophysical Chemistry</i> , 2010, 148, 34-41.	1.5	29
81	Concrete and Cement Paste Studied by Quasi-Elastic Neutron Scattering. <i>Zeitschrift Fur Physikalische Chemie</i> , 2010, 224, 183-200.	1.4	5
82	Raman and Neutron Scattering Study of Partially Deuterated L-Alanine: Evidence of a Solid-Solid Phase Transition. <i>ChemPhysChem</i> , 2009, 10, 3337-3343.	1.0	11
83	High-pressure Raman spectra of deuterated L-alanine crystal. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 958-963.	1.2	23
84	Decisions on the European Spallation Source. <i>Nature Materials</i> , 2009, 8, 440-440.	13.3	4
85	Raman and magnetic susceptibility studies of hexagonal elpasolite Cs ₂ NaAlF ₆ :Cr ³⁺ . <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 2210-2215.	1.0	6
86	Raman spectroscopy and inelastic neutron scattering study of crystalline L-valine. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 415404.	0.7	6
87	Spin-driven phase transitions in ZnCr ₂ . <i>Physical Review B</i> , 2009, 79, .	1.1	42
88	Hindered Water Motions in Hardened Cement Pastes Investigated over Broad Time and Length Scales. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 2154-2162.	4.0	16
89	The 14th International Clay Conference (XIV ICC). <i>Powder Diffraction</i> , 2009, 24, 274-275.	0.4	0
90	Dynamics of Water in Na ₂ CoO ₂ ·yH ₂ O. <i>Journal of Physical Chemistry B</i> , 2008, 112, 703-709.	1.2	4

#	ARTICLE	IF	CITATIONS
91	Quasi-Elastic Neutron Scattering Studies on Clay Interlayer-Space Highlighting the Effect of the Cation in Confined Water Dynamics. <i>Journal of Physical Chemistry C</i> , 2008, 112, 13982-13991.	1.5	87
92	Structure-Property Relationships in the Crystals of the Smallest Amino Acid: An Incoherent Inelastic Neutron Scattering Study of the Glycine Polymorphs. <i>Journal of Physical Chemistry B</i> , 2008, 112, 8748-8759.	1.2	47
93	Primary spectrometer neutron optics simulations for a new cold neutron backscattering spectrometer. <i>Journal of Neutron Research</i> , 2008, 16, 39-54.	0.4	7
94	Structural and magnetic properties of the ferroelectric magnet $\text{BaMn} \times \text{BaMn}$ a site diluted square-lattice two-dimensional Heis. <i>Physical Review B</i> , 2008, 78, .	1.1	7
95	Structure-property relationship in the crystals of chiral amino acids and their racemic counterparts. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2008, 64, C34-C35.	0.3	3
96	Temperature and pressure effects on the re-orientational dynamics of amino acids. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2008, 64, C53-C54.	0.3	0
97	Hydrogen in N-Methylacetamide: Positions and Dynamics of the Hydrogen Atoms Using Neutron Scattering. <i>Journal of Physical Chemistry B</i> , 2007, 111, 7725-7734.	1.2	11
98	Different Dynamics of Chiral and Racemic (l- and dl-) Serine Crystals: Evidenced by Incoherent Inelastic Neutron and Raman Scattering. <i>Journal of the American Chemical Society</i> , 2007, 129, 10984-10985.	6.6	42
99	Structural Isotopic Effects in the Smallest Chiral Amino Acid: Observation of a Structural Phase Transition in Fully Deuterated Alanine. <i>Journal of Physical Chemistry B</i> , 2007, 111, 5034-5039.	1.2	43
100	Rotational motion of the water molecules in the superconductor $\text{Na}_{0.28}\text{CoO} \cdot \text{H}_2\text{O}$. <i>European Physical Journal: Special Topics</i> , 2007, 141, 69-72.	1.2	4
101	In situ X-ray and neutron diffraction study of lipid membrane swelling. <i>European Physical Journal: Special Topics</i> , 2007, 141, 217-221.	1.2	4
102	Water Dynamics in Hardened Ordinary Portland Cement Paste or Concrete: From Quasielastic Neutron Scattering. <i>Journal of Physical Chemistry B</i> , 2006, 110, 17966-17976.	1.2	111
103	How IN16 can maintain a world-leading position in neutron backscattering spectrometry. <i>Physica B: Condensed Matter</i> , 2006, 385-386, 1101-1103.	1.3	8
104	Photoluminescence and Optical Absorption of $\text{Cs}_2\text{NaScF}_6:\text{Cr}^{3+}$. <i>Journal of Fluorescence</i> , 2006, 16, 317-23.	1.3	10
105	Using Fermi choppers to shape the neutron pulse. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006, 557, 580-584.	0.7	5
106	Extraordinary negative thermal expansion in the smallest chiral amino acid, alanine. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2005, 61, c348-c348.	0.3	0
107	Water dynamics in cement pastes. <i>Physica B: Condensed Matter</i> , 2004, 350, E565-E568.	1.3	15
108	A survey of simulations of complex neutronic systems by VITESS. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 529, 218-222.	0.7	30

#	ARTICLE	IF	CITATIONS
109	Dynamical disorder and reorientation of the CH ₃ groups in N-methylacetamide. <i>Physica B: Condensed Matter</i> , 2004, 350, E587-E589.	1.3	2
110	Benchmark simulation of a Fermi-chopper instrument. <i>Physica B: Condensed Matter</i> , 2004, 350, E717-E719.	1.3	2
111	Quasi-elastic neutron scattering study of dimethyl-sulfoxide-water mixtures: Probing molecular mobility in a nonideal solution. <i>Journal of Chemical Physics</i> , 2004, 121, 12457.	1.2	40
112	S=12Ising behavior in the two-dimensional molecular magnet Fe(NCS) ₂ (pyrazine) ₂ . <i>Physical Review B</i> , 2004, 69, .	1.1	27
113	<title>Neutron instrument simulation and optimization using the software package VITESS</title> . , 2004, , .		36
114	Micro-transitions or breathers in L-alanine?. <i>European Physical Journal B</i> , 2003, 37, 375-382.	0.6	43
115	Spin ordering in the mixed-ligand antiferromagnet Mn(dca) ₂ (pyrazine). <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 260, 462-466.	1.0	10
116	Structural and magnetic behavior of a quasi-1D antiferromagnetic chain compound Cu(NCS) ₂ (pyz). <i>Polyhedron</i> , 2003, 22, 2045-2049.	1.0	26
117	Inelastic neutron scattering studies of TbNiAlH _{1.4} and UNiAlH _{2.0} hydrides. <i>Journal of Physics Condensed Matter</i> , 2003, 15, 2551-2559.	0.7	0
118	Structure determination and a vibrational study for the hexagonal elpasolite Cs ₂ NaGaF ₆ :Cr ³⁺ . <i>Journal of Physics Condensed Matter</i> , 2002, 14, 12383-12389.	0.7	17
119	Breathers or Structural Instability in Solid L-Alanine: A New IR and Inelastic Neutron Scattering Vibrational Spectroscopic Study. <i>Journal of Physical Chemistry A</i> , 2002, 106, 5230-5241.	1.1	60
120	Glass Transition in the Polaron Dynamics of Colossal Magnetoresistive Manganites. <i>Physical Review Letters</i> , 2002, 89, 036401.	2.9	85
121	Analytical calculations and Monte-Carlo simulations of a high-resolution backscattering spectrometer for the long wavelength target station at the Spallation neutron source. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002, 491, 216-225.	0.7	4
122	Spin excitations in 3D molecular magnets probed by neutron scattering. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s634-s636.	1.1	7
123	Magnetic ordering and spin excitations in Mn(dca) ₂ (pyz) [dca = N(CN) ₂ -, pyz = pyrazine]. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s722-s724.	1.1	10
124	Structural and vibrational study of chromium doped elpasolite crystals Cs ₂ NaAlF ₆ . <i>Journal of Chemical Physics</i> , 2001, 115, 4300-4305.	1.2	25
125	Magnetic properties and crystal structure of HoNiAl and UNiAl hydrides. <i>Journal of Applied Physics</i> , 2000, 87, 6815-6817.	1.1	22
126	Magnetism in some UCo _{1/3} T _{2/3} Al solid solutions (T=transition metal). <i>Journal of Applied Physics</i> , 2000, 87, 6812-6814.	1.1	1

#	ARTICLE	IF	CITATIONS
127	Magnetism in single-crystalline CePtSn. <i>Physica B: Condensed Matter</i> , 2000, 281-282, 103-104.	1.3	9
128	Crystallographic order and magnetism in UCo _{1/3} T _{2/3} Al compounds (T=Ru, Rh, Pt). <i>Physica B: Condensed Matter</i> , 2000, 276-278, 634-635.	1.3	1
129	Properties of UNiAlD _{2.1} and UNiAlH _{2.3} . <i>Physica B: Condensed Matter</i> , 2000, 276-278, 706-707.	1.3	16
130	Title is missing!. <i>Journal of Fluorescence</i> , 2000, 10, 375-381.	1.3	20
131	Interplay of spin and orbital ordering in the layered colossal magnetoresistance manganite La ₂ ~ ^{2x} Sr _{1+2x} Mn ₂ O ₇ (0.5 < x < 1.0). <i>Physical Review B</i> , 2000, 62, 15096-15111.	1.1	123
132	Charge ordering and phase competition in the layered perovskite LaSr ₂ Mn ₂ O ₇ . <i>Physical Review B</i> , 2000, 61, 15269-15276.	1.1	110
133	Water dynamics in controlled pore silica glasses. <i>European Physical Journal Special Topics</i> , 2000, 10, Pr7-207-Pr7-210.	0.2	4
134	Structure and Magnetism in the Layered CMR Manganites La _{2-2x} Sr _{1+2x} Mn ₂ O ₇ (x= 0~ ³ , 0~ ⁴). <i>Australian Journal of Physics</i> , 1999, 52, 279.	0.6	4
135	Lattice effects and magnetic structure in the layered colossal magnetoresistance manganite La ₂ ~ ^{2x} Sr _{1+2x} Mn ₂ O ₇ , ~ ^x =0.3. <i>Physical Review B</i> , 1999, 59, 8695-8702.	1.1	108
136	Lattice displacements above T _C in the layered manganite La _{1.2} Sr _{1.8} Mn ₂ O ₇ . <i>Physical Review B</i> , 1999, 60, 6200-6203.	1.1	25
137	Structural and magnetic properties of the Kondo insulator UFe ₄ P ₁₂ . <i>Physica B: Condensed Matter</i> , 1999, 259-261, 280-282.	1.3	12
138	Structural and Magnetic States in Layered Manganites: An Expanding View of the Phase Diagram. <i>Materials Research Society Symposia Proceedings</i> , 1999, 602, 315.	0.1	0
139	Dynamics of Crystalline N-Methylacetamide: ~ ^{Temperature} Dependence of Infrared and Inelastic Neutron Scattering Spectra. <i>Journal of Physical Chemistry B</i> , 1998, 102, 6177-6183.	1.2	21
140	Hydrogen-induced changes in TbNiAl. <i>Journal of Applied Physics</i> , 1998, 83, 6986-6988.	1.1	9
141	Slow dynamics and instability in BaZnF ₄ s. <i>Physical Review B</i> , 1997, 55, 8249-8256.	1.1	8
142	Symmetry changes and domain structures at order-disorder phase transitions in (TEA) ₂ BCl ₄ compounds (B = Zn, Cu, Hg). <i>Ferroelectrics</i> , 1997, 190, 57-63.	0.3	13
143	Vibrational dynamics of crystalline L-alanine. <i>Physica B: Condensed Matter</i> , 1997, 241-243, 1138-1140.	1.3	15
144	Structural and dynamical properties of a new family of solid solutions:. <i>Journal of Physics Condensed Matter</i> , 1996, 8, 4993-5005.	0.7	4

#	ARTICLE	IF	CITATIONS
145	Evidence of two-dimensional clusters as precursors of an instability in BaZnF ₄ . Physical Review B, 1995, 52, 9370-9376.	1.1	7
146	Anomalies in the Raman scattering spectra of piezoelectric BaZnF ₄ crystals. Journal of Physics Condensed Matter, 1994, 6, 10365-10376.	0.7	12
147	Spectroscopy analysis of Er ³⁺ in the CsCdBr ₃ host lattice. Solid State Communications, 1994, 92, 721-723.	0.9	3
148	Lattice and Magnetic Anisotropies in Uranium Intermetallic Compounds. Solid State Phenomena, 0, 194, 75-79.	0.3	1
149	Application of Neutron Scattering in Amino Acid Crystals – Structural and Dynamical Information. , 0, , .		0
150	Uncovering the Dynamics of Confined Water Using Neutron Scattering: Perspectives. Frontiers in Physics, 0, 10, .	1.0	1