

Juan Rodriguez-Carvajal

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

383 papers	23,623 citations	52 h-index	148 g-index
434 ext. papers	25,542 ext. citations	3.9 avg, IF	7.26 L-index

#	Paper	IF	Citations
383	Introducing a unified magnetic space-group symbol.. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2022 , 78, 99-106	1.7	0
382	The triphylite NaFe _{1-y} MnyPO ₄ solid solution (0 ≤ y ≤ 1): Kinetic strain accommodation in Na _x Fe _{0.8} Mn _{0.2} PO ₄ . <i>Electrochimica Acta</i> , 2022 , 425, 140650	6.7	1
381	Extension of Hall symbols of crystallographic space groups to magnetic space groups. <i>Journal of Applied Crystallography</i> , 2021 , 54, 338-342	3.8	2
380	Int3D: A Data Reduction Software for Single Crystal Neutron Diffraction. <i>Crystals</i> , 2021 , 11, 897	2.3	0
379	Influence of Polymorphism on the Magnetic Properties of CoTeO Spinel. <i>Inorganic Chemistry</i> , 2021 , 60, 13990-14001	5.1	1
378	Magnetic-field-induced ferroelectric states in centrosymmetric R ₂ BaCuO ₅ (R=Dy and Ho). <i>Physical Review B</i> , 2021 , 104,	3.3	3
377	Crystal engineering and ferroelectricity at the nanoscale in epitaxial 1D manganese oxide on silicon. <i>Nanoscale</i> , 2021 , 13, 9615-9625	7.7	1
376	Interplay of 4f-3d interactions and spin-induced ferroelectricity in the green phase Gd ₂ BaCuO ₅ . <i>Physical Review Research</i> , 2020 , 2,	3.9	2
375	Spin-density studies of the multiferroic metal-organic compound [NH(CH ₃)] ₂ [FeFe(HCOO)] ₂ . <i>IUCrJ</i> , 2020 , 7, 803-813	4.7	1
374	Crystallographic Characterization of a CeO ₂ Protective Layer Deposited on a Ni/Cr Anode for Molten Carbonate Fuel Cell. <i>Journal of Surface Investigation</i> , 2020 , 14, S22-S24	0.5	1
373	Experimental and Theoretical Study of SbPO under Compression. <i>Inorganic Chemistry</i> , 2020 , 59, 287-307	5.1	9
372	Experimental Evidence of the Coexistence of Proper Magnetic and Structural Incommensurability on the [CHNH][Ni(COOH)] Compound. <i>Inorganic Chemistry</i> , 2020 , 59, 17896-17905	5.1	3
371	Neutron Diffraction Study on the Magnetic Structure of the Promised Multiferroic Hybrid Perovskite [C(ND ₂) ₃] ₂ Cu(DCOO) ₃ and Its Centrosymmetric Analogues. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 18551-18559	3.8	1
370	Magnetic structures. <i>Comptes Rendus Physique</i> , 2019 , 20, 770-802	1.4	4
369	Revealing the Reactivity of the Iridium Trioxide Intermediate for the Oxygen Evolution Reaction in Acidic Media. <i>Chemistry of Materials</i> , 2019 , 31, 5845-5855	9.6	43
368	An investigation of the structural properties of Li and Na fast ion conductors using high-throughput bond-valence calculations and machine learning. <i>Journal of Applied Crystallography</i> , 2019 , 52, 148-157	3.8	21
367	Incommensurate structures of the [CHNH][Co(COOH)] compound. <i>IUCrJ</i> , 2019 , 6, 105-115	4.7	5

- 366 Distortion mode anomalies in bulk PrNiO₃: Illustrating the potential of symmetry-adapted distortion mode analysis for the study of phase transitions. *Physical Review B*, **2019**, 100, 3.3 8
- 365 Microscopic Insights on the Multiferroic Perovskite-Like [CH₃NH₃][Co(COOH)₂] Compound. *Chemistry - A European Journal*, **2018**, 24, 388-399 4.8 10
- 364 Switching of the Chiral Magnetic Domains in the Hybrid Molecular/Inorganic Multiferroic (ND)[FeCl(DO)]. *Scientific Reports*, **2018**, 8, 10665 4.9 10
- 363 Synthesis, Structure, and Physical Properties of the Polar Magnet DyCrWO. *Inorganic Chemistry*, **2018**, 57, 12827-12835 5.1 10
- 362 Low-dimensional magnetic properties of orthorhombic MnV₂O₆: A nonstandard structure stabilized at high pressure. *Physical Review B*, **2017**, 95, 3.3 8
- 361 Magnetic Structures of Heterometallic M(II)-M(III) Formate Compounds. *Inorganic Chemistry*, **2017**, 56, 197-207 5.1 24
- 360 Magnetic structures and excitations in CePd₂(Al,Ga)₂ series: Development of the Γ ibron states. *Physical Review B*, **2017**, 95, 3.3 14
- 359 Origin of the magnetoelectric effect in the Cs₂FeCl₅D₂O compound. *Physical Review B*, **2017**, 96, 3.3 2
- 358 Magnetic-field-induced change of magnetoelectric coupling in the hybrid multiferroic (ND₄)₂[FeCl₅D₂O]. *Physical Review B*, **2017**, 95, 3.3 11
- 357 Low-temperature structural transition in the quasi-one-dimensional spin-12 compound Li₂Cu₂O(SO₄)₂. *Physical Review B*, **2017**, 95, 3.3 3
- 356 Ordered aeschynite-type polar magnets RFeWO₆ (R=Dy, Eu, Tb, and Y): A new family of type-II multiferroics. *Physical Review B*, **2017**, 95, 3.3 24
- 355 Magnetostructural coupling and magnetodielectric effects in the A-site cation-ordered spinel LiFeCr₄O₈. *Physical Review B*, **2017**, 96, 3.3 10
- 354 Structure of a Novel Spinel Li_{0.5}Zn_{5/3}Sb_{2.5/3}O₄ by Neutron and Synchrotron Diffraction Analysis. *Crystals*, **2017**, 7, 280 2.3 3
- 353 Oxalate-mediated long-range antiferromagnetism order in Fe₂(C₂O₄)₃·4H₂O. *Dalton Transactions*, **2016**, 45, 14311-9 4.3 6
- 352 Development of Epitaxial Oxide Ceramics Nanomaterials Based on Chemical Strategies on Semiconductor Platforms **2016**, 1-32
- 351 Ultrasharp magnetization steps in the antiferromagnetic itinerant-electron system LaFe₁₂B₆. *Physical Review B*, **2016**, 93, 3.3 27
- 350 FAULTS: a program for refinement of structures with extended defects. *Journal of Applied Crystallography*, **2016**, 49, 2259-2269 3.8 50
- 349 Magnetic Structures of Orthorhombic LiM(SO) (M = Co, Fe) and LiFe(SO) (x = 1, 1.5) Phases. *Inorganic Chemistry*, **2016**, 55, 11760-11769 5.1 6

- 348 Cycloid spirals and cycloid cone transition in the $\text{HoMn}_6\text{CrGe}_6$ (T, x) magnetic phase diagramm by neutron diffraction. *Journal of Magnetism and Magnetic Materials*, **2016**, 408, 233-243 2.8 0
- 347 Atomic defects during ordering transitions in $\text{LiNi}_0.5\text{Mn}_{1.5}\text{O}_4$ and their relationship with electrochemical properties. *Journal of Materials Chemistry A*, **2016**, 4, 8255-8262 13 26
- 346 Short-range structural and magnetic order in rapidly-solidified Ag Mn alloys. *Materials and Design*, **2016**, 112, 124-130 8.1 3
- 345 Crystal structure of human tooth enamel studied by neutron diffraction. *Materials Research Express*, **2015**, 2, 025401 1.7 6
- 344 Structural and magnetic properties of the low-dimensional fluoride $\text{FeF}_3(\text{H}_2\text{O})_2\cdot\text{H}_2\text{O}$. *Dalton Transactions*, **2015**, 44, 14130-8 4.3 2
- 343 $\text{Li}_2\text{Cu}_2\text{O}(\text{SO}_4)_2$: a Possible Electrode for Sustainable Li-Based Batteries Showing a 4.7 V Redox Activity vs Li^+/Li^0 . *Chemistry of Materials*, **2015**, 27, 3077-3087 9.6 25
- 342 Crystallization of hollow mesoporous silica nanoparticles. *Chemical Communications*, **2015**, 51, 4164-7 5.8 21
- 341 Integration of functional complex oxide nanomaterials on silicon. *Frontiers in Physics*, **2015**, 3, 3.9 4
- 340 Complex magnetostructural order in the frustrated spinel $\text{LiInCr}_4\text{O}_8$. *Physical Review B*, **2015**, 91, 3.3 33
- 339 Chiral habit selection on nanostructured epitaxial quartz films. *Faraday Discussions*, **2015**, 179, 227-33 3.6 2
- 338 Incommensurate magnetic structure, Fe/Cu chemical disorder, and magnetic interactions in the high-temperature multiferroic YBaCuFeO_5 . *Physical Review B*, **2015**, 91, 3.3 29
- 337 Unraveling the Structure of Iron(III) Oxalate Tetrahydrate and Its Reversible Li Insertion Capability. *Chemistry of Materials*, **2015**, 27, 1631-1639 9.6 22
- 336 Synthesis, crystal structure, and magnetic characterization of the three-dimensional compound $[\text{Co}_2(\text{cbut})(\text{H}_2\text{O})_3]_n$ (H_4cbut = 1,2,3,4-cyclobutanetetracarboxylic acid). *Inorganic Chemistry*, **2014**, 53, 5674-83 5.1 15
- 335 Quartz Films: Water-Induced Phase Separation Forming Macrostructured Epitaxial Quartz Films on Silicon (Adv. Funct. Mater. 35/2014). *Advanced Functional Materials*, **2014**, 24, 5493-5493 15.6 1
- 334 Magnetic ordering of ScMn_6Ge_6 by neutron diffraction. *Journal of Magnetism and Magnetic Materials*, **2014**, 369, 243-248 2.8 2
- 333 High resolution neutron diffraction crystallographic investigation of Oxide Dispersion Strengthened steels of interest for fusion technology. *Journal of Nuclear Materials*, **2014**, 455, 426-430 3.3 3
- 332 Direct Monolithic Integration of Vertical Single Crystalline Octahedral Molecular Sieve Nanowires on Silicon. *Chemistry of Materials*, **2014**, 26, 1019-1028 9.6 11
- 331 Double symmetry breaking in TmFe_4Ge_2 compared to RFe_4Ge_2 (R=Y, Lu, Er, Ho, Dy) magnetic behaviour. *Journal of Magnetism and Magnetic Materials*, **2014**, 355, 104-120 2.8 1

330	Magnetic structures of non-cerium analogues of heavy-fermion Ce ₂ RhIn ₈ : The case of Nd ₂ RhIn ₈ , Dy ₂ RhIn ₈ , and Er ₂ RhIn ₈ . <i>Physical Review B</i> , 2014 , 89,	3.3	6
329	Water-Induced Phase Separation Forming Macrostructured Epitaxial Quartz Films on Silicon. <i>Advanced Functional Materials</i> , 2014 , 24, 5494-5502	15.6	18
328	Magnetic structure and properties of orthorhombic Li ₂ Ni(SO ₄) ₂ : A possible magnetoelectric material. <i>Physical Review B</i> , 2014 , 89,	3.3	17
327	Marinite Li ₂ M(SO ₄) ₂ (M = Co, Fe, Mn) and LiFe(SO ₄) ₂ : model compounds for super-super-exchange magnetic interactions. <i>Inorganic Chemistry</i> , 2013 , 52, 10456-66	5.1	38
326	Neutron diffraction studies of the molecular compound [Co ₂ (bta)] _n (H ₄ bta = 1,2,4,5-benzenetetracarboxylic acid): in the quest of canted ferromagnetism. <i>Inorganic Chemistry</i> , 2013 , 52, 12818-27	5.1	8
325	Spiral magnetic structure in the iron diarsenate LiFeAs ₂ O ₇ : A neutron diffraction study. <i>Physical Review B</i> , 2013 , 88,	3.3	14
324	Soft-chemistry-based routes to epitaxial β -quartz thin films with tunable textures. <i>Science</i> , 2013 , 340, 827-31	33.3	53
323	Ferroic phase transition in LaEr(MoO ₄) ₃ . <i>Powder Diffraction</i> , 2013 , 28, S86-S93	1.8	0
322	Polymorphism in Ho ₂ (MoO ₄) ₃ . <i>Powder Diffraction</i> , 2013 , 28, S33-S40	1.8	4
321	Superspace Description of the System Bi ₂ (n+2)Mo _n O ₆ (n+1) (n=3, 4, 5 and 6) 2013 , 149-155		
320	Structure refinement and superspace description of the system Bi(2(n + 2))Mo(n)O(6(n + 1)) (n = 3, 4, 5 and 6). <i>Acta Crystallographica Section B: Structural Science</i> , 2012 , 68, 323-40		5
319	The role of order-disorder transitions in the quest for molecular multiferroics: structural and magnetic neutron studies of a mixed valence iron(II)-iron(III) formate framework. <i>Journal of the American Chemical Society</i> , 2012 , 134, 19772-81	16.4	118
318	Magnetic structure and properties of NaFeSO ₄ F and NaCoSO ₄ F. <i>Physical Review B</i> , 2012 , 85,	3.3	21
317	Magnetoelastic phase transitions in the LuFe ₄ Ge ₂ and YFe ₄ Si ₂ compounds: A neutron diffraction study. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 3709-3715	2.8	10
316	Scrutinising magnetic disorder through metastable 3d- and 4f-nanostructured alloys. <i>Journal of Alloys and Compounds</i> , 2012 , 536, S259-S264	5.7	3
315	Symmetry and magnetic structures. <i>EPJ Web of Conferences</i> , 2012 , 22, 00010	0.3	24
314	Pressure-induced change in the magnetic ordering of TbMnO ₃ . <i>Physical Review B</i> , 2011 , 84,	3.3	21
313	Magnetic Structure and Properties of the Li-Ion Battery Materials FeSO ₄ F and LiFeSO ₄ F. <i>Chemistry of Materials</i> , 2011 , 23, 2922-2930	9.6	63

312	Low temperature neutron diffraction studies in [Mn ₃ (suc) ₂ (ina) ₂] _n : an homometallic molecular 3D ferrimagnet. <i>Inorganic Chemistry</i> , 2011 , 50, 7129-35	5.1	9
311	Single crystalline La _{0.7} Sr _{0.3} MnO ₃ molecular sieve nanowires with high temperature ferromagnetism. <i>Journal of the American Chemical Society</i> , 2011 , 133, 4053-61	16.4	20
310	Structural investigation of the negative thermal expansion in yttrium and rare earth molybdates. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 325402	1.8	12
309	Magnetic phase diagrams of the CrB- and FeB-type HoSi compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 2011 , 323, 2592-2607	2.8	6
308	CYCLOPS: a reciprocal-space explorer based on CCD neutron detectors. <i>Journal of Applied Crystallography</i> , 2011 , 44, 392-397	3.8	29
307	Magneto structural transition in the DySi CrB- and micro-structural changes in the FeB-type compounds by XRPD and neutron diffraction. <i>Journal of Magnetism and Magnetic Materials</i> , 2011 , 323, 903-914	2.8	1
306	XtremeD: a new neutron diffractometer for high pressures and magnetic fields at ILL developed by Spain. <i>Journal of Physics: Conference Series</i> , 2011 , 325, 012010	0.3	4
305	Relation between crystallinity and chemical nature of surface on wettability: A study on pulsed laser deposited TiO ₂ thin films. <i>Journal of Applied Physics</i> , 2011 , 109, 123512	2.5	22
304	Neutron Diffraction Study of NiO/LiCoO ₂ Electrodes for Innovative fuel cell Development. <i>Materials Research Society Symposia Proceedings</i> , 2010 , 1262, 1		
303	Magnetic structure of Gd ₅ Si ₂ Ge ₂ and Gd ₅ Si ₂ Ge _{1.9} M _{0.1} (M = Ga, Cu). <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 446003	1.8	4
302	Competing magnetic structures in the DySi FeB-type phase diagram. <i>Journal of Magnetism and Magnetic Materials</i> , 2010 , 322, 119-132	2.8	8
301	Experimental magnetic form factors in Co ₃ V ₂ O ₈ : A combined study of ab initio calculations, magnetic Compton scattering, and polarized neutron diffraction. <i>Physical Review B</i> , 2009 , 79,	3.3	12
300	Structure, Microstructure, Composition and Properties of Lanthanum Lithium Titanates and some Substituted Analogues. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009 , 635, NA-NA	1.3	1
299	Low-temperature magnetic structures in the DySi FeB-type compound 27.03.09. <i>Journal of Magnetism and Magnetic Materials</i> , 2009 , 321, 2842-2851	2.8	5
298	Insight into ramsdellite Li ₂ Ti ₃ O ₇ and its proton-exchange derivative. <i>Inorganic Chemistry</i> , 2009 , 48, 7659-66	5.1	18
297	Spin-lattice coupling induced phase transition in the S=2 frustrated antiferromagnet CuMnO ₂ . <i>Physical Review B</i> , 2009 , 80,	3.3	43
296	The effects of moderate thermal treatments under air on LiFePO ₄ -based nano powders. <i>Journal of Materials Chemistry</i> , 2009 , 19, 3979		98
295	Synthesis and characterization of the ultramarine-type analog Na _(8-x) [Si ₆ Al ₆ O ₂₄] x (S ₂ ,S ₃ ,CO ₃)(1-2). <i>Inorganic Chemistry</i> , 2009 , 48, 6526-33	5.1	10

294	Competing multiple-qmagnetic structures in HoGe3: I. The magnetic phase diagram of HoGe3. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 195201	1.8	5
293	Competing multiple-qmagnetic structures in HoGe3: II. Magnetic structures observed in HoGe3. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 195202	1.8	0
292	Crystal and magnetic structures of (La _{0.70} Ca _{0.30})(CrMn _{1/3})O ₃ : A neutron powder diffraction study. <i>Physical Review B</i> , 2008 , 77,	3.3	11
291	Magnetic structure of the kagome mixed compound (Co _{0.5} Ni _{0.5})(₃)V(2)O(8). <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 235228	1.8	7
290	Magnetic structure and analysis of the exchange interactions in BiMO(PO ₄) (M = Co, Ni). <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 415211	1.8	12
289	Structure and microstructure study of oxides of the La _{2/3} Li _{3x} TiO ₃ -family. <i>Materials Research Society Symposia Proceedings</i> , 2008 , 1126, 1		
288	Magnetic states and spin-glass properties in Bi _{0.67} Ca _{0.33} MnO ₃ : Macroscopic ac measurements and neutron scattering. <i>Physical Review B</i> , 2008 , 77,	3.3	21
287	Zener polaron ordering variants induced by A-site ordering in half-doped manganites. <i>Physical Review Letters</i> , 2008 , 101, 166404	7.4	13
286	Orientalional ordering in the low-temperature stable phases of deuterated thiophene. <i>Acta Crystallographica Section B: Structural Science</i> , 2008 , 64, 589-95		13
285	Synchrotron powder diffraction characterization of the zeolite-based (p-N,N-dimethylnitroaniline-mordenite) guest-host phase. <i>Acta Crystallographica Section B: Structural Science</i> , 2008 , 64, 713-24		7
284	A comparison of the magnetic structures of KMn(4)(PO(4))(3) and KCo(4)(PO(4))(3) based on the connectivity of the coordination polyhedra. <i>Chemistry - A European Journal</i> , 2008 , 14, 10829-38	4.8	9
283	New developments on CrysFML: global and local optimization methods. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2008 , 64, C46-C46		2
282	Chapter 3:The Intensity of a Bragg Reflection 2008 , 58-88		2
281	Beyond the structure-property relationship paradigm: influence of the crystal structure and microstructure on the Li ⁺ conductivity of La _{2/3} Li(x)Ti(1-x)Al(x)O ₃ Oxides. <i>Chemistry - A European Journal</i> , 2007 , 13, 5607-16	4.8	7
280	Microstructural characterisation of battery materials using powder diffraction data: DIFFaX, FAULTS and SH-FullProf approaches. <i>Journal of Power Sources</i> , 2007 , 174, 414-420	8.9	34
279	The multiple q-vector incommensurate magnetic structure of TbGe3. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 236201	1.8	7
278	Double symmetry breaking and magnetic transitions in ErFe ₄ Ge ₂ . <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 310, 63-75	2.8	6
277	Neutron spin echo evidence of mesoscopic spin correlations among Fe(Cu) ferromagnetic nanoparticles in a silver diamagnetic matrix. <i>Physical Review B</i> , 2007 , 76,	3.3	11

276	Deciphering the structural transformations during nickel oxyhydroxide electrode operation. <i>Journal of the American Chemical Society</i> , 2007 , 129, 5840-2	16.4	57
275	Magnetostructural phase transitions of DyFe ₄ Ge ₂ : Part II Neutron diffraction. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 300, 333-350	2.8	13
274	Magnetostructural phase transitions of DyFe ₄ Ge ₂ : Part I By XRPD. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 300, 315-332	2.8	9
273	A combined study of the magnetic properties of GdCrO ₄ . <i>Journal of Physics Condensed Matter</i> , 2006 , 18, 7893-7904	1.8	11
272	Paramagnetic fluctuations in Pr _{0.65} Ca _{0.35} MnO ₃ around the charge-ordering temperature. <i>Journal of Physics Condensed Matter</i> , 2006 , 18, 1509-1517	1.8	1
271	A Survey of Diverse Approximations for Microstructural Characterization using Powder Diffraction Data: Ni(OH) ₂ , a Case Study. <i>Materials Research Society Symposia Proceedings</i> , 2006 , 972, 1		
270	Chemical decoration in cubic approximant and quasicrystal in the AlCuBe system. <i>Philosophical Magazine</i> , 2006 , 86, 573-579	1.6	2
269	New insights on the microstructural characterisation of nickel hydroxides and correlation with electrochemical properties. <i>Journal of Materials Chemistry</i> , 2006 , 16, 2925-2939		26
268	Synchrotron and neutron diffraction study of 4-methylpyridine-N-oxide at low temperature. <i>Acta Crystallographica Section B: Structural Science</i> , 2006 , 62, 627-33		7
267	Spin structure and magnetic frustration in multiferroic RMn ₂ O ₅ (R=Tb, Ho, Dy). <i>Physical Review B</i> , 2005 , 71,	3.3	242
266	Structure of the intermediate phase of PbTe at high pressure. <i>Physical Review B</i> , 2005 , 71,	3.3	62
265	Crystal-Chemical Characteristics of Silicon-Neodymium Substituted Hydroxyapatites Studied by Combined X-ray and Neutron Powder Diffraction. <i>Chemistry of Materials</i> , 2005 , 17, 57-64	9.6	16
264	Crystal and Magnetic Structures of the Mn ³⁺ Orbital Ordered Manganite YBaMn ₂ O _{5.5} . <i>Chemistry of Materials</i> , 2005 , 17, 1835-1843	9.6	23
263	Chemical order in 1/3 Al(Si)-CuBe approximant phases. <i>Physical Review B</i> , 2005 , 72,	3.3	11
262	Neutron powder diffraction study of A ₂ BeF ₄ (A=K, Rb, Cs): Structure refinement and analysis of background. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 1601-1608	3.3	4
261	Preparation and chemical properties of the skutterudites (Ce _{1-x} Y _x)Fe ₄ As ₃ (Co/Ni) _x Sb ₁₂ . <i>Materials Research Bulletin</i> , 2005 , 40, 537-551	5.1	41
260	Crystal chemistry of the olivine-type Li _x FePO ₄ system (. <i>Solid State Sciences</i> , 2005 , 7, 1506-1516	3.4	77
259	Direct localization of atoms in mixed-occupancy powders by resonant contrast diffraction. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 1725-9	16.4	9

258	Direct Localization of Atoms in Mixed-Occupancy Powders by Resonant Contrast Diffraction. <i>Angewandte Chemie</i> , 2005 , 117, 1753-1757	3.6	1
257	Electrochemical zinc insertion into W18O49: Synthesis and characterization of new bronzes. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 2998-3003	3.3	12
256	Powder neutron diffraction of Ti2BeF4 at six temperatures from room temperature to 1.5 K. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2005 , 61, m113-6		2
255	Microstructural analysis of nickel hydroxide: Anisotropic size versus stacking faults. <i>Powder Diffraction</i> , 2005 , 20, 334-344	1.8	37
254	Comparison of empirical bond-valence and first-principles energy calculations for a complex structural instability. <i>Physical Review B</i> , 2005 , 72,	3.3	21
253	Ordered Spin Ice State and Magnetic Fluctuations in Tb2Sn2O7. <i>Physical Review Letters</i> , 2005 , 94,	7.4	120
252	CrysFML: a library to develop crystallographic programs in Fortran 95. Powder diffraction examples. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2005 , 61, c22-c22		4
251	Direct determination of the magnetic ground state in the square lattice S = 1/2 antiferromagnet Li2VO SiO4. <i>Physical Review Letters</i> , 2004 , 93, 027202	7.4	56
250	Complex magnetic ordering in NdNi1-xCux: Determination of the magnetic structure by neutron diffraction. <i>Physical Review B</i> , 2004 , 70,	3.3	4
249	From ferromagnetism to incommensurate magnetic structures: A neutron diffraction study of the chemical substitution effects in TbPt1-xCux. <i>Physical Review B</i> , 2004 , 70,	3.3	5
248	Characterization of perovskite systems derived from Ba2In2O5Part II: The proton compounds Ba2In2(1-x)Ti2xO4+2x(OH)y [0001; $\sqrt{2}$ (1-x)]. <i>Solid State Ionics</i> , 2004 , 170, 25-32	3.3	45
247	The effect of the silicon incorporation on the hydroxylapatite structure. A neutron diffraction study. <i>Solid State Sciences</i> , 2004 , 6, 987-994	3.4	64
246	Neutron scattering for the study of improved bone implants. <i>Physica B: Condensed Matter</i> , 2004 , 350, E607-E610	2.8	16
245	FullProf as a new tool for flipping ratio analysis: further improvements. <i>Physica B: Condensed Matter</i> , 2004 , 350, E731-E733	2.8	18
244	Influence of Mo-doping on the magnetic properties of V2O3. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 278, 57-67	2.8	2
243	Non-collinear magnetic ordering in R1/2D1/2MnO3manganites. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, E1387-E1388	2.8	2
242	Magnetic order in a S=12 frustrated antiferromagnet on a square lattice. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, E659-E660	2.8	1
241	Re-entrant magneto-elastic transition in HoFe4Ge2 a neutron diffraction study. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 280, 119-142	2.8	7

- 240 Investigation of the electronic and structural properties of potassium hexaboride, KB₆, by transport, magnetic susceptibility, EPR, and NMR measurements, temperature-dependent crystal structure determination, and electronic band structure calculations. *Inorganic Chemistry*, **2004**, 43, 4974-87 5.1 30
- 239 Anion ordering and defect structure in Ruddlesden-Popper strontium niobium oxynitrides. *Inorganic Chemistry*, **2004**, 43, 8010-7 5.1 41
- 238 Magnetic properties of paramelaconite (Cu₄O₃): A pyrochlore lattice with S=12. *Physical Review B*, **2004**, 69, 3.3 31
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96	Magnetic properties of $\text{Nd}_{2-x}\text{Sr}_x\text{NiO}_{4+\delta}$ oxides. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 1561-1562	1.3	1
95	Studies of the formation and reduction of a mixed three-dimensional perovskite of copper and titanium. <i>Materials Research Bulletin</i> , 1994 , 29, 973-980	5.1	9
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92	Neutron-diffraction study of the magnetic ordering in the insulating regime of the perovskites RNiO_3 (R=Pr and Nd). <i>Physical Review B</i> , 1994 , 50, 978-992	3.3	156
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90	Syntheses of the perovskite $\text{La}_2\text{CuTiO}_6$ by the ceramic, oxide precursors and sol-gel methods, and study of the structure and Cu^{II}/Ti distribution by X-ray and neutron diffraction. <i>Journal of Materials Chemistry</i> , 1993 , 3, 1171-1177		26
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85	Dehydration of $\text{MoO}_3 \cdot 2\text{H}_2\text{O}$: A Neutron Thermodiffractometry Study. <i>Journal of Solid State Chemistry</i> , 1993 , 105, 211-222	3.3	15
84	Synthesis and characterization of nickel and magnesium ferrites obtained from $\beta\text{-NaFeO}_2$. <i>Solid State Ionics</i> , 1993 , 63-65, 429-436	3.3	27
83	High-temperature phase transformation of oxidized $\text{R}_2\text{NiO}_{4+\delta}$ (R=La, Pr and Nd) under vacuum. <i>Solid State Ionics</i> , 1993 , 63-65, 902-906	3.3	39
82	Polymorphism in the oxides R_2BaNiO_5 (R=Tm, Yb, Lu). <i>Solid State Ionics</i> , 1993 , 63-65, 915-921	3.3	9
81	Magnetic structure of $\text{Ho}_2\text{BaNiO}_5$. <i>Solid State Communications</i> , 1993 , 85, 553-559	1.6	29
80	Crystallographic study and magnetic structures of $\text{CeNi}_x\text{Pt}_{1-x}$ and diluted related compounds. <i>Solid State Communications</i> , 1993 , 87, 863-868	1.6	8
79	Recent advances in magnetic structure determination by neutron powder diffraction. <i>Physica B: Condensed Matter</i> , 1993 , 192, 55-69	2.8	11006

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77	Magnetic and electrical properties of GdNi _{1-x} Cu _x compounds. <i>Journal of Physics Condensed Matter</i> , 1992 , 4, 8233-8244	1.8	32
76	Neutron diffraction study of long-range atomic order in Cu-Zn-Al shape memory alloys. <i>Journal of Physics Condensed Matter</i> , 1992 , 4, 553-559	1.8	36
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74	RNiO ₃ perovskites (R=Pr,Nd): Nickel valence and the metal-insulator transition investigated by x-ray-absorption spectroscopy. <i>Physical Review B</i> , 1992 , 46, 14975-14984	3.3	136
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64	Spin reorientations in Nd _{1.8} Sr _{0.2} NiO _{3.8} . <i>Physica B: Condensed Matter</i> , 1992 , 180-181, 402-404	2.8	3
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61	Polymorphism and magnetic properties of Tm ₂ BaNiO ₅ . <i>Materials Chemistry and Physics</i> , 1992 , 31, 145-149	4.4	4

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55	One-dimensional antiferromagnetic ordering for a novel nickel-antimony oxide. <i>Materials Research Bulletin</i> , 1992 , 27, 1041-1047	5.1	9
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53	EXAFS and Raman study of stoichiometric and oxidized $\text{Nd}_2\text{NiO}_{4+\delta}$. <i>Solid State Communications</i> , 1991 , 80, 975-980	1.6	6
52	The nature of magnetic order in $\text{YBa}_2(\text{Cu}_{0.9}\text{Fe}_{0.1})\text{O}_{7.2}$: A neutron polarisation analysis study. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 185-189, 1173-1174	1.3	7
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50	Magnetic field induced transitions in Pr_2NiO_4 single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 185-189, 1225-1226	1.3	
49	Structural and magnetic phase transitions in Pr_2NiO_4 . <i>European Physical Journal B</i> , 1991 , 82, 275-282	1.2	37
48	Magnetic structures of the Mn III weak ferromagnets $\text{AMnF}_4 \cdot \text{H}_2\text{O}$ (A=Rb and K). <i>Journal of Physics Condensed Matter</i> , 1991 , 3, 2379-2390	1.8	8
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40	Neutron diffraction study on structural and magnetic properties of La ₂ NiO ₄ . <i>Journal of Physics Condensed Matter</i> , 1991 , 3, 3215-3234	1.8	345
39	Complex magnetic structures of the rare-earth cuprates R ₂ Cu ₂ O ₅ (R=Y, Ho, Er, Yb, Tm). <i>Physical Review B</i> , 1991 , 44, 4716-4719	3.3	26
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33	Oxygen excess and superconductivity at 45 K in La ₂ CaCu ₂ O _{6+y} . <i>Physica C: Superconductivity and Its Applications</i> , 1990 , 170, 153-160	1.3	58
32	Crystal structure refinement of Nd _{2-x} Ce _x CuO ₄ (x = 0.05-0.30) by x-ray (295 K) and neutron (1.5 K) powder diffraction. <i>Solid State Communications</i> , 1990 , 73, 791-795	1.6	47
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30	Crystal and magnetic structure of Li ₂ CuO ₂ . <i>Solid State Communications</i> , 1990 , 74, 779-784	1.6	108
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22	Magnetic and X-ray diffraction characterization of stoichiometric Pr_2NiO_4 and Nd_2NiO_4 oxides. <i>Solid State Communications</i> , 1989 , 72, 273-277	1.6	34
21	Lithium insertion in reduced tungsten oxides. <i>Solid State Ionics</i> , 1989 , 32-33, 162-166	3.3	5
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17	Magnetic frustration and lattice dimensionality in $\text{SrCr}_8\text{Ga}_4\text{O}_{19}$. <i>Solid State Communications</i> , 1988 , 65, 189-192	1.6	183
16	Structural, electrical and magnetic properties of $\text{Ba}_2\text{ReCu}_3-x\text{Fe}_x\text{O}_7$ (Re=Y,Ho) high T_c superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 153-155, 888-889	1.3	4
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13	The chemistry of $\text{YBa}_2\text{Cu}_3\text{O}_7$: a neutron powder thermodiffraction study. <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 153-155, 1671-1672	1.3	8
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