

# Juan Rodriguez-Carvajal

## List of Publications by Year in descending order

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412  
papers

27,466  
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434  
docs citations

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times ranked

20095  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in magnetic structure determination by neutron powder diffraction. <i>Physica B: Condensed Matter</i> , 1993, 192, 55-69.	2.7	13,003
2	WinPLOT: A Windows Tool for Powder Diffraction Pattern Analysis. <i>Materials Science Forum</i> , 2001, 378-381, 118-123.	0.3	1,552
3	Neutron-diffraction study of the Jahn-Teller transition in stoichiometric $\text{LaMnO}_3$ . <i>Physical Review B</i> , 1998, 57, R3189-R3192.	3.2	625
4	Neutron-diffraction study of $\text{RNiO}_3$ (R=La,Pr,Nd,Sm): Electronically induced structural changes across the metal-insulator transition. <i>Physical Review B</i> , 1992, 46, 4414-4425.	3.2	471
5	Neutron diffraction study on structural and magnetic properties of $\text{La}_2\text{NiO}_4$ . <i>Journal of Physics Condensed Matter</i> , 1991, 3, 3215-3234.	1.8	377
6	Spin waves in the antiferromagnet perovskite $\text{LaMnO}_3$ : A neutron-scattering study. <i>Physical Review B</i> , 1996, 54, 15149-15155.	3.2	311
7	Electronic Crystallization in a Lithium Battery Material: Columnar Ordering of Electrons and Holes in the Spinel $\text{LiMn}_2\text{O}_4$ . <i>Physical Review Letters</i> , 1998, 81, 4660-4663.	7.8	309
8	Magnetic Structures of the Triphylite $\text{LiFePO}_4$ and of Its Delithiated Form $\text{FePO}_4$ . <i>Chemistry of Materials</i> , 2003, 15, 4082-4090.	6.7	309
9	Structural characterization of $\text{R}_2\text{BaCuO}_5$ (R = Y, Lu, Yb, Tm, Er, Ho, Dy, Gd, Eu and Sm) oxides by X-ray and neutron diffraction. <i>Journal of Solid State Chemistry</i> , 1992, 100, 201-211.	2.9	293
10	Zener Polaron Ordering in Half-Doped Manganites. <i>Physical Review Letters</i> , 2002, 89, 097205.	7.8	271
11	Spin structure and magnetic frustration in multiferroic $\text{RMn}_2\text{O}_5$ (R=Tb, Ho, Dy). <i>Physical Review B</i> , 2005, 71, .	3.2	252
12	Prediction of crystal structures from crystal chemistry rules by simulated annealing. <i>Nature</i> , 1990, 346, 343-345.	27.8	249
13	Liquidlike Spatial Distribution of Magnetic Droplets Revealed by Neutron Scattering in $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ . <i>Physical Review Letters</i> , 1998, 81, 1957-1960.	7.8	228
14	Magnetic frustration and lattice dimensionality in $\text{SrCr}_8\text{Ga}_4\text{O}_{19}$ . <i>Solid State Communications</i> , 1988, 65, 189-192.	1.9	191
15	Neutron-diffraction study of the magnetic ordering in the insulating regime of the perovskites $\text{RNiO}_3$ (R=Pr and Nd). <i>Physical Review B</i> , 1994, 50, 978-992.	3.2	175
16	A Powder Neutron Diffraction Investigation of the Two Rhombohedral NASICON Analogues: $\beta\text{-Na}_3\text{Fe}_2(\text{PO}_4)_3$ and $\text{Li}_3\text{Fe}_2(\text{PO}_4)_3$ . <i>Chemistry of Materials</i> , 2000, 12, 525-532.	6.7	167
17	Cation distribution and intrinsic magnetic properties of $\text{Co}^{2+}$ -doped $\text{M}^{2+}$ -type barium ferrite. <i>Journal of Applied Physics</i> , 1991, 70, 1614-1623.	2.5	155
18	$\text{RNiO}_3$ 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.	3.2	155

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19	Approach to the metal-insulator transition in $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ , ( $0 < x < 0.2$ ): Magnetic inhomogeneity and spin-wave anomaly. <i>Physical Review B</i> , 2001, 64, .	3.2	150
20	Crystal structure of strontium hexaferrite $\text{SrFe}_{12}\text{O}_{19}$ . <i>Journal of Solid State Chemistry</i> , 1988, 72, 218-224.	2.9	143
21	Neutron-diffraction study of the magnetic and orbital ordering in $^{154}\text{SmNiO}_3$ and $^{153}\text{EuNiO}_3$ . <i>Physical Review B</i> , 1998, 57, 456-464.	3.2	135
22	Ordered Spin Ice State and Magnetic Fluctuations in $\text{Tb}_2\text{Sn}_2\text{O}_7$ . <i>Physical Review Letters</i> , 2005, 94, .	7.8	135
23	Magnetic and magnetotransport properties of $\text{GdBaCo}_2\text{O}_{5+\delta}$ : A high magnetic-field study. <i>Physical Review B</i> , 2001, 64, .	3.2	131
24	Sudden Appearance of an Unusual Spin Density Wave At the Metal-Insulator Transition in the Perovskites $\text{RNiO}_3$ (R = Pr, Nd). <i>Europhysics Letters</i> , 1992, 20, 241-247.	2.0	129
25	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, 19772-19781.	13.7	127
26	Crystal and magnetic structure of $\text{Li}_2\text{CuO}_2$ . <i>Solid State Communications</i> , 1990, 74, 779-784.	1.9	124
27	Silicon Incorporation in Hydroxylapatite Obtained by Controlled Crystallization. <i>Chemistry of Materials</i> , 2004, 16, 2300-2308.	6.7	111
28	The effects of moderate thermal treatments under air on $\text{LiFePO}_4$ -based nano powders. <i>Journal of Materials Chemistry</i> , 2009, 19, 3979.	6.7	106
29	Crystal and magnetic structure of orthorhombic $\text{HoMnO}_3$ . <i>Physical Review B</i> , 2001, 63, .	3.2	102
30	FullProf as a new tool for flipping ratio analysis. <i>Physica B: Condensed Matter</i> , 2003, 335, 219-222.	2.7	102
31	Crystal Structure and Microstructure of Some $\text{La}_{2/3-x}\text{Li}_3\text{TiO}_3$ Oxides: An Example of the Complementary Use of Electron Diffraction and Microscopy and Synchrotron X-ray Diffraction To Study Complex Materials. <i>Journal of the American Chemical Society</i> , 2004, 126, 3587-3596.	13.7	98
32	Anomalous structural phase transition in stoichiometric $\text{La}_2\text{NiO}_4$ . <i>Physical Review B</i> , 1988, 38, 7148-7151.	3.2	94
33	Cubic to Orthorhombic Transition in the Stoichiometric Spinel $\text{LiMn}_2\text{O}_4$ . <i>Electrochemical and Solid-State Letters</i> , 1999, 2, 6.	2.2	86
34	FAULTS: a program for refinement of structures with extended defects. <i>Journal of Applied Crystallography</i> , 2016, 49, 2259-2269.	4.5	85
35	Magnetic dilution in the strongly frustrated kagome antiferromagnet $\text{SrGa}_{12-x}\text{Cr}_x\text{O}_{19}$ . <i>Physical Review B</i> , 1992, 46, 10786-10792.	3.2	83
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37	Coherent waves of magnetic polarons propagating in $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ : An inelastic-neutron-scattering study. <i>Physical Review B</i> , 1997, 56, R497-R500.	3.2	79
38	Phase transitions in $\text{Sr}_2\text{Co}_2\text{O}_5$ : A neutron thermodiffraction study. <i>Solid State Communications</i> , 1987, 62, 231-234.	1.9	77
39	Spin glass behaviour in an antiferromagnetic non-frustrated lattice: $\text{Sr}_2\text{FeNbO}_6$ perovskite. <i>Journal of Physics C: Solid State Physics</i> , 1985, 18, L401-L405.	1.5	75
40	Magnetic Structure and Properties of the Li-Ion Battery Materials $\text{FeSO}_4$ and $\text{LiFeSO}_4$ . <i>Chemistry of Materials</i> , 2011, 23, 2922-2930.	6.7	73
41	Deciphering the Structural Transformations during Nickel Oxyhydroxide Electrode Operation. <i>Journal of the American Chemical Society</i> , 2007, 129, 5840-5842.	13.7	72
42	Evidence of anisotropic magnetic polarons in $\text{La}_{0.94}\text{Sr}_{0.06}\text{MnO}_3$ by neutron scattering and comparison with Ca-doped manganites. <i>Physical Review B</i> , 2000, 61, 9513-9522.	3.2	70
43	The effect of the silicon incorporation on the hydroxylapatite structure. A neutron diffraction study. <i>Solid State Sciences</i> , 2004, 6, 987-994.	3.2	70
44	Structure of the intermediate phase of $\text{PbTe}$ at high pressure. <i>Physical Review B</i> , 2005, 71, .	3.2	70
45	Stability of the Jahn-Teller effect and magnetic study of $\text{LaMnO}_3$ under pressure. <i>Physical Review B</i> , 2001, 64, .	3.2	69
46	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.	6.7	67
47	Neutron diffraction study of the magnetic structure of $\text{Er}_2\text{BaNiO}_5$ . <i>Solid State Communications</i> , 1990, 76, 467-474.	1.9	66
48	Structural Phase Transitions and Three-Dimensional Magnetic Ordering in the $\text{Nd}_2\text{NiO}_4$ Oxide. <i>Europhysics Letters</i> , 1990, 11, 261-268.	2.0	65
49	Oxygen excess and superconductivity at 45 K in $\text{La}_2\text{CaCu}_2\text{O}_{6+y}$ . <i>Physica C: Superconductivity and Its Applications</i> , 1990, 170, 153-160.	1.2	64
50	Soft-Chemistry-Based Routes to Epitaxial $\text{Li}^{\pm}$ -Quartz Thin Films with Tunable Textures. <i>Science</i> , 2013, 340, 827-831.	12.6	64
51	Reduction of the Jahn-Teller distortion at the insulator-to-metal transition in mixed valence manganites. <i>Physical Review B</i> , 1997, 55, 34-37.	3.2	63
52	Direct Determination of the Magnetic Ground State in the Square Lattice $\text{S}=\frac{1}{2}$ Antiferromagnet $\text{Li}_2\text{VO}_2$ . <i>Physical Review Letters</i> , 2004, 93, 027202.	7.8	62
53	Structural Characterization and Polymorphism of $\text{R}_2\text{BaNiO}_5$ (R = Nd, Gd, Dy, Y, Ho, Er, Tm, Yb) Studied by Neutron Diffraction. <i>Journal of Solid State Chemistry</i> , 1993, 103, 322-333.	2.9	59
54	Magnetic susceptibility and field-induced transitions in $\text{R}_2\text{BaNiO}_5$ compounds (R = Tm, Er, Ho, Dy, Tb). <i>Journal of Solid State Chemistry</i> , 1993, 103, 334-344.	2.9	58

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55	X-ray Study of the Spinel LiMn <sub>2</sub> O <sub>4</sub> at Low Temperatures. Chemistry of Materials, 1999, 11, 3629-3635.	6.7	56
56	Surface spin canting in BaFe <sub>12</sub> O <sub>19</sub> fine particles. Journal of Magnetism and Magnetic Materials, 1993, 124, 228-238.	2.3	55
57	Structural studies of LaNi <sub>4</sub> CoD <sub>6.11</sub> and LaNi <sub>3.55</sub> Mn <sub>0.4</sub> Al <sub>0.3</sub> Co <sub>0.75</sub> D <sub>5.57</sub> by means of neutron powder diffraction. Journal of Alloys and Compounds, 1995, 218, 64-72.	5.5	55
58	MAGNETIC STRUCTURE DETERMINATION FROM POWDER DIFFRACTION USING THE PROGRAM <i>FullProf</i> . , 2001, , .		53
59	Crystal structure refinement of Nd <sub>2-<math>x</math></sub> Ce <sub><math>x</math></sub> Cu <sub>4</sub> ( $x = 0.05 \sim 0.30$ ) by x-ray (295 K) and neutron (1.5 K) powder diffraction. Solid State Communications, 1990, 73, 791-795.	1.9	52
60	Perovskite threefold superlattices: A structure determination of the A <sub>3</sub> M <sub>3</sub> O <sub>8</sub> phase. Materials Research Bulletin, 1989, 24, 423-430.	5.2	51
61	Magnetic Structural Studies of the Two Polymorphs of Li <sub>3</sub> Fe <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> : Analysis of the Magnetic Ground State from Super-Super Exchange Interactions. Chemistry of Materials, 2001, 13, 4527-4536.	6.7	50
62	Marinite Li <sub>2</sub> M(SO <sub>4</sub> ) <sub>2</sub> (M = Co, Fe, Mn) and Li <sub>1</sub> Fe(SO <sub>4</sub> ) <sub>2</sub> : Model Compounds for Super-Super-Exchange Magnetic Interactions. Inorganic Chemistry, 2013, 52, 10456-10466.	4.0	50
63	Jahn-Teller effect and ferromagnetic ordering in La <sub>0.875</sub> Sr <sub>0.125</sub> MnO <sub>3</sub> : A reentrant behaviour. Physica B: Condensed Matter, 1997, 234-236, 856-858.	2.7	49
64	Magnetic coupling induced by hole doping in perovskites La <sub>1-<math>x</math></sub> Ca <sub><math>x</math></sub> MnO <sub>3</sub> : A neutron scattering study. Physical Review B, 1999, 60, 12299-12308.	3.2	48
65	Characterization of perovskite systems derived from Ba <sub>2</sub> In <sub>2</sub> O <sub>5</sub> Part II: The proton compounds Ba <sub>2</sub> In <sub>2</sub> (1- $x$ )Ti <sub>2</sub> xO <sub>4</sub> +2x(OH) <sub>y</sub> [0 $\leq x \leq 1$ ; y $\leq 2$ (1- $x$ )]. Solid State Ionics, 2004, 170, 25-32.	2.7	48
66	The Solid Solution BaFe <sub>12-2<math>x</math></sub> Co <sub><math>x</math></sub> Ti <sub><math>x</math></sub> O <sub>19</sub> (0 $\leq x \leq 6$ ): Cationic Distribution by Neutron Diffraction. Journal of Solid State Chemistry, 1994, 111, 229-237.	2.9	47
67	Spin-lattice coupling induced phase transition in the S=2 frustrated antiferromagnet CuMnO <sub>2</sub> . Physical Review B, 2009, 80, .	3.2	47
68	Preparation and chemical properties of the skutterudites (Ce $\epsilon$ -Yb) <sub>y</sub> Fe <sub>4-<math>x</math></sub> (Co/Ni) <sub>x</sub> Sb <sub>12</sub> . Materials Research Bulletin, 2005, 40, 537-551.	5.2	46
69	Microstructural analysis of nickel hydroxide: Anisotropic size versus stacking faults. Powder Diffraction, 2005, 20, 334-344.	0.2	46
70	Complex magnetostructural order in the frustrated spinel $\text{Li}_n\text{Cr}_4\text{O}_{12}$ . Physical Review B, 2015, 91, .	3.2	46
71	Structural characterization of R <sub>2</sub> BaNiO <sub>5</sub> (R=Tm and Yb): polymorphism for R=Tm. Solid State Communications, 1991, 78, 481-488.	1.9	45
72	Anion Ordering and Defect Structure in Ruddlesden-Popper Strontium Niobium Oxynitrides. Inorganic Chemistry, 2004, 43, 8010-8017.	4.0	45

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73	Crystal and magnetic structures of the oxyphosphates $MFePO_5$ ( $M = Fe, Co, Ni, Cu$ ). Analysis of the magnetic ground state in terms of superexchange interactions. <i>European Physical Journal B</i> , 2001, 22, 429-442.	1.5	44
74	Room-Temperature Synthesis and Crystal, Magnetic, and Electronic Structure of the First Silver Copper Oxide. <i>Inorganic Chemistry</i> , 2002, 41, 6604-6613.	4.0	44
75	Neutron diffraction study of the magnetic ordering in the series $R_2BaNiO_5$ ( $R = \text{Rare Earth}$ ). <i>European Physical Journal B</i> , 2001, 24, 59-70.	1.5	43
76	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.	7.8	43
77	Crystal and magnetic structures of $Bi_2CuO_4$ . <i>Journal of Physics Condensed Matter</i> , 1990, 2, 2205-2214.	1.8	42
78	Structural phase diagram of $La_{1-x}Sr_xMnO_3$ for low Sr doping. <i>Journal of Alloys and Compounds</i> , 1997, 262-263, 152-156.	5.5	42
79	Atomic defects during ordering transitions in $LiNi_{0.5}Mn_{1.5}O_4$ and their relationship with electrochemical properties. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8255-8262.	10.3	41
80	High-temperature phase transformation of oxidized $R_2NiO_4$ ( $R=La, Pr$ and $Nd$ ) under vacuum. <i>Solid State Ionics</i> , 1993, 63-65, 902-906.	2.7	40
81	Structural and magnetic phase transitions in $Pr_2NiO_4$ . <i>European Physical Journal B</i> , 1991, 82, 275-282.	1.5	39
82	A neutron diffraction study of the antiferromagnetic diphosphate $LiFeP_2O_7$ . <i>Solid State Sciences</i> , 2002, 4, 973-978.	3.2	39
83	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, .	2.5	39
84	Incommensurate magnetic structure, Fe/Cu chemical disorder, and magnetic interactions in the high-temperature multiferroic $YBaCuFeO_{5+x}$ . <i>Physical Review B</i> , 2015, 91, .	3.2	39
85	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.	4.5	39
86	The tubular crystal structure of the new phase $Bi_4Sr_8Cu_5O_{19+x}$ related to the superconducting perovskites. <i>Physica C: Superconductivity and Its Applications</i> , 1989, 157, 525-530.	1.2	38
87	Structural Characterization of $R_2Cu_2O_5$ ( $R = Yb, Tm, Er, Y,$ and $Ho$ ) Oxides by Neutron Diffraction. <i>Journal of Solid State Chemistry</i> , 1995, 115, 324-331.	2.9	38
88	A neutron diffraction study of the magnetic ordering of $TmMn_6Ge_6$ . <i>Journal of Alloys and Compounds</i> , 1995, 226, 113-120.	5.5	38
89	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	37
90	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.	1.9	36

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91	Re-entrant ferrimagnetism in TbMn6Ge6. Journal of Magnetism and Magnetic Materials, 1995, 150, 311-322.	2.3	36
92	Neutron Diffraction and TEM Studies of the Crystal Structure and Defects of Nd4Ni3O8. Journal of Solid State Chemistry, 1998, 140, 307-315.	2.9	36
93	The rotation of the magnetization in the BaCo2Fe16O27 W-type hexagonal ferrite. Journal of Magnetism and Magnetic Materials, 1989, 79, 193-201.	2.3	35
94	Magnetic and electrical properties of GdNi1-xCux compounds. Journal of Physics Condensed Matter, 1992, 4, 8233-8244.	1.8	35
95	Skewed spiral magnetic structure in ErMn6Ge6. Journal of Alloys and Compounds, 1995, 219, 176-180.	5.5	35
96	CYCLOPS – a reciprocal-space explorer based on CCD neutron detectors. Journal of Applied Crystallography, 2011, 44, 392-397.	4.5	34
97	Ultrasharp magnetization steps in the antiferromagnetic itinerant-electron system $\text{LaF}_{12}\text{B}_6$ . Ordered aeschynite-type polar magnets $\text{RFeWO}_6$ ( $\text{R} = \text{La, Tb, Er, Y, Gd, Sm, Eu, Pr, Nd, Ce, Th, U, Pu, Am, Cm, Bk, Cf, Fm, Md, No, Lr}$ )	3.2	34
98	Hexagonal ferrite particles for perpendicular recording prepared by the precursor method. IEEE Transactions on Magnetics, 1987, 23, 22-24.	3.2	34
99	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, 4974-4987.	2.1	33
100	Magnetic properties of paramelaconite(Cu4O3):A pyrochlore lattice with S=12. Physical Review B, 2004, 69, .	4.0	33
101	Magnetic Structures of Heterometallic M(II)–M(III) Formate Compounds. Inorganic Chemistry, 2017, 56, 197-207.	3.2	33
102	Synthesis and Characterization of New Double Tungstates Li2MII(WO4)2 (M = Co, Ni, and Cu). Chemistry of Materials, 2001, 13, 3871-3875.	4.0	33
103	Symmetry and magnetic structures. EPJ Web of Conferences, 2012, 22, 00010.	6.7	32
104	The monoclinic perovskite La2LiSbO6. A rietveld refinement of neutron powder diffraction data. Materials Research Bulletin, 1992, 27, 647-654.	0.3	32
105	Magnetic structure of Ho2BaNiO5. Solid State Communications, 1993, 85, 553-559.	5.2	31
106	New insights on the microstructural characterisation of nickel hydroxides and correlation with electrochemical properties. Journal of Materials Chemistry, 2006, 16, 2925-2939.	1.9	31
107	Li2Cu2O(SO4)2: a Possible Electrode for Sustainable Li-Based Batteries Showing a 4.7 V Redox Activity vs Li+/Li0. Chemistry of Materials, 2015, 27, 3077-3087.	6.7	31
108		6.7	31

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109	Complex magnetic structures of the rare-earth cuprates $R_2Cu_2O_5$ ( $R=Y, Ho, Er, Yb, Tm$ ). <i>Physical Review B</i> , 1991, 44, 4716-4719.	3.2	30
110	Syntheses of the perovskite $La_2CuTiO_6$ by the ceramic, oxide precursors and sol-gel methods, and study of the structure and Cu-Ti distribution by X-ray and neutron diffraction. <i>Journal of Materials Chemistry</i> , 1993, 3, 1171-1177.	6.7	30
111	Ferrimagnetic order in $Ca_2FeMoO_6$ . <i>Journal of Applied Physics</i> , 2000, 87, 7118-7120.	2.5	30
112	Unraveling the Structure of Iron(III) Oxalate Tetrahydrate and Its Reversible Li Insertion Capability. <i>Chemistry of Materials</i> , 2015, 27, 1631-1639.	6.7	30
113	FAULTS, a new program for refinement of powder diffraction patterns from layered structures. <i>Zeitschrift für Kristallographie, Supplement</i> , 2006, 2006, 243-248.	0.5	30
114	Cation distribution and high field magnetization studies on $Sr_{1-x}Fe_xCr_xO_{19}$ . <i>IEEE Transactions on Magnetics</i> , 1984, 20, 1636-1638.	2.1	29
115	$Ba_2PrCu_3O_7$ : Crystal growth, structure and magnetic properties. <i>Solid State Communications</i> , 1988, 67, 369-372.	1.9	29
116	Synthesis and characterization of nickel and magnesium ferrites obtained from $\hat{I}\pm$ - $NaFeO_2$ . <i>Solid State Ionics</i> , 1993, 63-65, 429-436.	2.7	29
117	Crystal structure and magnetic ordering in $ErFe_6Ge_6$ studied by X-ray, neutron diffraction and magnetic measurements. <i>Journal of Alloys and Compounds</i> , 1997, 257, 36-45.	5.5	29
118	Magnetic structures of the tri-rutile $NiTa_2O_6$ and $NiSb_2O_6$ . <i>Journal of Magnetism and Magnetic Materials</i> , 1998, 184, 111-115.	2.3	29
119	Infrared spectroscopy investigation of the charge ordering transition in $LiMn_2O_4$ . <i>Solid State Communications</i> , 1999, 111, 453-458.	1.9	29
120	Crystal structure of a new vanadium(IV) diphosphate: $VP_2O_7$ , prepared by lithium extraction from $LiVP_2O_7$ . <i>Solid State Sciences</i> , 2001, 3, 881-887.	0.7	29
121	FullProf as a new tool for flipping ratio analysis: further improvements. <i>Physica B: Condensed Matter</i> , 2004, 350, E731-E733.	2.7	29
122	Adsorption of chlorofluorocarbons in nanoporous solids; a combined powder neutron diffraction and computational study of $CFCl_3$ in NaY zeolite CCDC reference number 201879. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 1882-1887.	2.8	27
123	Temperature-Dependent Structural Properties of p-Diiodobenzene: Neutron Diffraction and High-Resolution Solid State $^{13}C$ NMR Investigations. <i>Journal of Solid State Chemistry</i> , 1994, 110, 20-27.	2.9	26
124	Structural and magnetic properties of $Sr_2RuO_4$ -type oxides. <i>Journal of Magnetism and Magnetic Materials</i> , 1995, 140-144, 179-180.	2.3	26
125	Comparison of empirical bond-valence and first-principles energy calculations for a complex structural instability. <i>Physical Review B</i> , 2005, 72, .	3.2	26
126	Crystal structure of the high temperature phase of oxidised $Pr_2NiO_4+\hat{I}$ . <i>Zeitschrift für Physik B-Condensed Matter</i> , 1996, 100, 85-90.	1.1	25



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127	Dependence of the physical properties of Nd <sub>0.5</sub> Ca <sub>0.5</sub> MnO <sub>3</sub> +δ on the oxidation state of Mn. Physical Review B, 2000, 62, 3002-3005.	3.2	25
128	Pressure-induced change in the magnetic ordering of TbMnO <sub>3</sub> . Physical Review B, 2011, 84, .	3.2	25
129	X-ray profile analysis of cation distribution in SrAl <sub>x</sub> Fe <sub>12</sub> As <sub>1-x</sub> O <sub>19</sub> solid solution. Materials Research Bulletin, 1988, 23, 685-692.	5.2	24
130	Lattice instability and low-temperature phase transition in Pr <sub>2</sub> NiO <sub>4</sub> . Physical Review B, 1991, 43, 13766-13769.	3.2	24
131	Cation distribution and composition of the Tl-2223 superconductor from combined powder neutron and resonant X-ray diffraction. Physica C: Superconductivity and Its Applications, 1994, 225, 307-316.	1.2	24
132	Magnetic structures of the three-dimensional Heisenberg antiferromagnets K <sub>2</sub> FeCl <sub>5</sub> .D <sub>2</sub> O and Rb <sub>2</sub> FeCl <sub>5</sub> .D <sub>2</sub> O. Journal of Physics Condensed Matter, 1995, 7, 4725-4738.	1.8	24
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