

# Oscar Fabelo

## List of Publications by Citations

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113  
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120  
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2,865  
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L-index

#	Paper	IF	Citations
113	High proton conduction in a chiral ferromagnetic metal-organic quartz-like framework. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 15328-31	16.4	270
112	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> , <b>2012</b> , 134, 19772-81	16.4	118
111	1,2,4,5-benzenetetracarboxylate- and 2,2Rbipyrimidine-containing cobalt(II) coordination polymers: preparation, crystal structure, and magnetic properties. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 3568-76	5.1	97
110	Postsynthetic Improvement of the Physical Properties in a Metal-Organic Framework through a Single Crystal to Single Crystal Transmetalation. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 6521-5	16.4	84
109	Heterobinuclear Complexes as Tectons in Designing Coordination Polymers. <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 941-949	3.5	84
108	Two- and three-dimensional networks of gadolinium(III) with dicarboxylate ligands: synthesis, crystal structure, and magnetic properties. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 10585-94	5.1	84
107	Unusual ( $\mu$ -aqua)bis( $\mu$ -carboxylate) bridge in homometallic M(II) (M=Mn, Co and Ni) two-dimensional compounds based on the 1,2,3,4-butanetetracarboxylic acid: synthesis, structure, and magnetic properties. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 7458-65	5.1	83
106	Study of the influence of the bridge on the magnetic coupling in cobalt(II) complexes. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 11342-51	5.1	77
105	Structural versatility in cobalt(II) complexes with 1,2,4,5-benzenetetracarboxylic acid (H <sub>4</sub> bta) and 4,4'-bipyridine-N,N'-dioxide (dpo). <i>CrystEngComm</i> , <b>2007</b> , 9, 815	3.3	69
104	Crystal structure and magnetic properties of two isomeric three-dimensional pyromellitate-containing cobalt(II) complexes. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 8053-61	5.1	66
103	Dinuclear and two- and three-dimensional gadolinium(III) complexes with mono- and dicarboxylate ligands: synthesis, structure and magnetic properties. <i>CrystEngComm</i> , <b>2009</b> , 11, 2131	3.3	62
102	Cobalt(II) sheet-like systems based on diacetic ligands: from subtle structural variances to different magnetic behaviors. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 6086-95	5.1	50
101	Intramolecular ferro- and antiferromagnetic interactions in oxo-carboxylate bridged digadolinium(III) complexes. <i>Dalton Transactions</i> , <b>2010</b> , 39, 7286-93	4.3	48
100	(4,4) Rectangular Lattices of Cobalt(II) with 1,2,4,5-Benzenetetracarboxylic Acid: Influence of the Packing in the Crystal Structure $\square$ <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 3984-3992	3.5	48
99	Hydrogen Bond-Directed Frameworks Based on 1,2,4,5-Benzene-Tetracarboxylate. <i>Crystal Growth and Design</i> , <b>2005</b> , 5, 1163-1167	3.5	48
98	Slow magnetic relaxation in carbonato-bridged dinuclear lanthanide(III) complexes with 2,3-quinoxalinediolate ligands. <i>Chemical Communications</i> , <b>2012</b> , 48, 7726-8	5.8	46
97	Zeolite-like Nanoporous Gadolinium Complexes Incorporating Alkaline Cations. <i>Crystal Growth and Design</i> , <b>2006</b> , 6, 87-93	3.5	44

96	Well-resolved unusual alternating cyclic water tetramers embedded in a crystal host. <i>CrystEngComm</i> , <b>2008</b> , 10, 1743	3.3	39
95	Magnetic coupling in discrete cyano-bridged Mn(III)-Fe(III) motifs: synthesis, crystal structure, magnetic properties and theoretical study. <i>Dalton Transactions</i> , <b>2010</b> , 39, 5028-38	4.3	38
94	[Fe(phen)(CN) <sub>4</sub> ] <sup>-</sup> a suitable metalloligand unit to build 3d/4f heterobimetallic complexes with mixed bpym-cyano bridges (phen = 1,10-phenanthroline, bpym = 2,2'-bipyrimidine). <i>CrystEngComm</i> , <b>2010</b> , 12, 2454	3.3	38
93	Novel cobalt(II) coordination polymers based on 1,2,4,5-benzenetetracarboxylic acid and extended bis-monodentate ligands. <i>CrystEngComm</i> , <b>2009</b> , 11, 2169	3.3	36
92	The construction of open Gd(III) metal-organic frameworks based on methanetriacetic acid: new objects with an old ligand. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 4037-47	4.8	36
91	One-dimensional and two-dimensional coordination polymers constructed from copper(II) nodes and polycarboxylate spacers: Synthesis, crystal structures and magnetic properties. <i>Polyhedron</i> , <b>2008</b> , 27, 574-582	2.7	36
90	Synthesis, structures and magnetic properties of the dimorphic Mn <sub>2</sub> CrSbO <sub>6</sub> oxide. <i>Dalton Transactions</i> , <b>2015</b> , 44, 10665-72	4.3	34
89	Long-distance magnetic coupling in dinuclear copper(II) complexes with oligo-para-phenylenediamine bridging ligands. <i>Inorganica Chimica Acta</i> , <b>2010</b> , 363, 1666-1678	2.7	34
88	[M(III)(bpym)(CN) <sub>4</sub> ] <sup>-</sup> : a suitable building block to design ferrimagnetic cyano-bridged heterobimetallic chains (M = Fe, Cr; bpym = 2,2'-bipyrimidine). <i>Dalton Transactions</i> , <b>2008</b> , 4103-5	4.3	34
87	Mode-crystallography analysis of the crystal structures and the low- and high-temperature phase transitions in Na <sub>0.5</sub> K <sub>0.5</sub> NbO <sub>3</sub> . <i>Journal of Applied Crystallography</i> , <b>2015</b> , 48, 318-333	3.8	32
86	Anion- and halide-halide nonbonding interactions in a new ionic liquid based on imidazolium cation with three-dimensional magnetic ordering in the solid state. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 8384-96 <sup>1</sup>	5.1	32
85	Low-dimensional 3d-4f complexes assembled by low-spin [Fe(III)(phen)(CN) <sub>4</sub> ] <sup>-</sup> anions. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 1525-37	5.1	31
84	Influence of the presence of divalent first-row transition metal ions on the structure of sodium(I) salts of 1,2,3,4-benzenetetracarboxylic acid (H <sub>4</sub> bta). <i>CrystEngComm</i> , <b>2006</b> , 8, 338-345	3.3	28
83	Novel Malonate-Containing Coordination Compounds with Ligands Having N- and NO-Donors: Synthesis, Structures, and Magnetic Properties. <i>Crystal Growth and Design</i> , <b>2012</b> , 12, 599-614	3.5	27
82	Influence of the Aliphatic Wrapping in the Crystal Structure of Benzene Tricarboxamide Supramolecular Polymers. <i>Crystal Growth and Design</i> , <b>2009</b> , 9, 4987-4989	3.5	25
81	Magnetic Structures of Heterometallic M(II)-M(III) Formate Compounds. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 197-207	5.1	24
80	A three-dimensional copper(II) 12-metallacrown-4 complex with malonomonohydroxamic acid (H <sub>3</sub> mmh) as a ligand. <i>New Journal of Chemistry</i> , <b>2011</b> , 35, 1817	3.6	24
79	Multielectron oxidation in a ferromagnetically coupled dinickel(II) triple mesocate. <i>Chemical Communications</i> , <b>2015</b> , 51, 13381-4	5.8	23

- 78 Unprecedented coexistence of cyano-bridged Mn<sup>4</sup>(III)Cr(III) and Mn<sup>2</sup>(III)Cr(III) heterobimetallic complexes in one single crystal. *Dalton Transactions*, **2009**, 37-40 4.3 23
- 77 Topological control of the spin coupling in dinuclear copper(II) complexes with meta- and para-phenylenediamine bridging ligands. *Inorganica Chimica Acta*, **2010**, 363, 1984-1994 2.7 23
- 76 Syntheses, crystal structures and magnetic properties of five new manganese(II) complexes: influence of the conformation of different alkyl/aryl substituted malonate ligands on the crystal packing. *CrystEngComm*, **2014**, 16, 2766 3.3 22
- 75 Metal-organic coordination frameworks based on mixed methylmalonate and 4,4'-bipyridine ligands: synthesis, crystal structure and magnetic properties. *New Journal of Chemistry*, **2010**, 34, 2515 3.6 22
- 74 Crystal Engineering of Complexes of Propane-1,2,3-tricarboxylic Acid (H<sub>3</sub>tca) with Lanthanide(III) Cations. *Crystal Growth and Design*, **2008**, 8, 1313-1318 3.5 22
- 73 A step further in the comprehension of the magnetic coupling in gadolinium(III)-based carboxylate complexes. *Polyhedron*, **2013**, 52, 321-332 2.7 21
- 72 Magnetically-induced ferroelectricity in the (ND<sub>4</sub>)<sub>2</sub>[FeCl<sub>5</sub>(D<sub>2</sub>O)] molecular compound. *Scientific Reports*, **2015**, 5, 14475 4.9 21
- 71 Two-dimensional 3d-4f heterometallic coordination polymers: syntheses, crystal structures, and magnetic properties of six new Co(II)-Ln(III) compounds. *Inorganic Chemistry*, **2014**, 53, 6299-308 5.1 20
- 70 Dryness sensitive porous 3d-4f metal-organic framework with unusual dynamic behaviour. *CrystEngComm*, **2012**, 14, 765-767 3.3 20
- 69 Pillaring Role of 4,4'-Azobis(pyridine) in Substituted Malonate-Containing Manganese(II) Complexes: Syntheses, Crystal Structures, and Magnetic Properties. *Crystal Growth and Design*, **2012**, 12, 4505-4518 3.5 17
- 68 Self-assembly of a chiral three-dimensional manganese(II)-copper(II) coordination polymer with a double helical architecture. *CrystEngComm*, **2013**, 15, 9312 3.3 17
- 67 [Cu<sub>3</sub>(Hmesox)<sub>3</sub>]<sub>3</sub><sup>-</sup>: a precursor for the rational design of chiral molecule-based magnets (H<sub>4</sub>mesox = 2-dihydroxymalonic acid). *Inorganic Chemistry*, **2010**, 49, 7880-9 5.1 17
- 66 New 3d-4f supramolecular systems constructed by [Fe(bipy)(CN)<sub>4</sub>]<sup>-</sup> and partially blocked lanthanide cations. *Polyhedron*, **2009**, 28, 851-859 2.7 17
- 65 Unique Crystal Structure of Ca<sub>2</sub>RuO<sub>4</sub> in the Current Stabilized Semimetallic State. *Physical Review Letters*, **2019**, 123, 137204 7.4 16
- 64 Homo- and heteronuclear compounds with a symmetrical bis-hydrazone ligand: synthesis, structural studies, and luminescent properties. *Chemistry - A European Journal*, **2015**, 21, 6605-16 4.8 16
- 63 Synthesis, Crystal Structure and Magnetic Characterization of a Series of CuII-LnIII Heterometallic [Ln = La, Ce, Pr, Nd and Sm) Metal-Organic Compounds with an Unusual Single Crystal to Single Crystal Phase Transition. *Crystal Growth and Design*, **2013**, 13, 4735-4745 3.5 16
- 62 Metallosupramolecular compounds based on Cu(II)/oxalate/twisted N<sub>2</sub>S<sub>2</sub> ligands showing a new in situ S-C bond cleavage. *CrystEngComm*, **2013**, 15, 10550 3.3 16
- 61 Influence of the alkaline earth cations on the topology of MII/CuII mixed-metal-organic frameworks (M = Ca, Sr and Ba). *CrystEngComm*, **2012**, 14, 761-764 3.3 16

60	Synthesis, crystal structure, and magnetic characterization of the three-dimensional compound [Co <sub>2</sub> (cbut)(H <sub>2</sub> O) <sub>3</sub> ] <sub>n</sub> (H <sub>4</sub> cbut = 1,2,3,4-cyclobutanetetracarboxylic acid). <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 5674-83	5.1	15
59	Synthesis, structural analysis, and magnetic properties of ethylmalonate-manganese(II) complexes. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 10765-76	5.1	14
58	Novel Lactone Chamigrene-Derived Metabolites from <i>Laurencia majuscula</i> . <i>European Journal of Organic Chemistry</i> , <b>2009</b> , 2009, 1407-1411	3.2	14
57	Effect of Linker Distribution in the Photocatalytic Activity of Multivariate Mesoporous Crystals. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 1798-1806	16.4	14
56	A novel oxalate-based three-dimensional coordination polymer showing magnetic ordering and high proton conductivity. <i>Dalton Transactions</i> , <b>2017</b> , 46, 15130-15137	4.3	13
55	Dynamically slow solid-to-solid phase transition induced by thermal treatment of DimimFeCl <sub>4</sub> magnetic ionic liquid. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 21881-92	3.6	13
54	Postsynthetic Improvement of the Physical Properties in a Metal-Organic Framework through a Single Crystal to Single Crystal Transmetalation. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 6621-6625	3.6	13
53	Influence of the coligand in the magnetic properties of a series of copper(II)-phenylmalonate complexes. <i>CrystEngComm</i> , <b>2014</b> , 16, 8106-8118	3.3	13
52	Copper(II)-methylmalonate complexes with unidentate N-donor ligands: Syntheses, structural characterization and magnetic properties. <i>Polyhedron</i> , <b>2009</b> , 28, 1802-1807	2.7	13
51	A multifunctional magnetic material under pressure. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 7956-61	4.8	12
50	Self-assembly, metal binding ability, and magnetic properties of dinickel(II) and dicobalt(II) triple mesocates. <i>CrystEngComm</i> , <b>2012</b> , 14, 5639	3.3	12
49	All-cis-1,2,3,4,5,6-cyclohexanehexacarboxylate two-dimensional gadolinium(III) complexes: Synthesis, X-ray crystal structure and magnetic properties. <i>Polyhedron</i> , <b>2010</b> , 29, 188-195	2.7	12
48	Magnetic-field-induced change of magnetoelectric coupling in the hybrid multiferroic (ND <sub>4</sub> ) <sub>2</sub> [FeCl <sub>5</sub> D <sub>2</sub> O]. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	11
47	Microscopic Insights on the Multiferroic Perovskite-Like [CH <sub>3</sub> NH <sub>3</sub> ][Co(COOH) <sub>3</sub> ] Compound. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 388-399	4.8	10
46	Switching of the Chiral Magnetic Domains in the Hybrid Molecular/Inorganic Multiferroic (ND) <sub>4</sub> [FeCl(DO)]. <i>Scientific Reports</i> , <b>2018</b> , 8, 10665	4.9	10
45	Ammonium-cobalt-nickel phosphates, NH <sub>4</sub> [Co <sub>1-x</sub> Ni <sub>x</sub> PO <sub>4</sub> ] <sub>n</sub> H <sub>2</sub> O. <i>Journal of Solid State Chemistry</i> , <b>2013</b> , 206, 75-84	3.3	10
44	Absence of magnetic ordering in the ground state of a SrTm <sub>2</sub> O <sub>4</sub> single crystal. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 7658-7668	7.1	9
43	Crystal growth and structural remarks on malonate-based lanthanide coordination polymers. <i>CrystEngComm</i> , <b>2016</b> , 18, 7831-7842	3.3	9

42	Low temperature neutron diffraction studies in $[\text{Mn}_3(\text{suc})_2(\text{ina})_2]_n$ : an homometallic molecular 3D ferrimagnet. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 7129-35	5.1	9
41	Crystal structure, magneto-structural correlation, thermal and electrical studies of an imidazolium halometallate molten salt: (trimim) $[\text{FeCl}_4]$ . <i>RSC Advances</i> , <b>2020</b> , 10, 11200-11209	3.7	8
40	Magnetic Structure, Single-Crystal to Single-Crystal Transition, and Thermal Expansion Study of the (Edimim) $[\text{FeCl}_4]$ Halometalate Compound. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 1787-1795	5.1	8
39	Neutron diffraction studies of the molecular compound $[\text{Co}_2(\text{bta})_n]$ (H4bta = 1,2,4,5-benzenetetracarboxylic acid): in the quest of canted ferromagnetism. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 12818-27	5.1	8
38	Manganese(II) Butyrate-Based MOFs: Structures, Thermal and Magnetic Properties. <i>Crystal Growth and Design</i> , <b>2011</b> , 11, 4080-4089	3.5	7
37	Thermally-induced hysteretic valence tautomeric conversions in the solid state two-step labile electron transfers in manganese-nitronyl nitroxide 2D-frameworks. <i>Dalton Transactions</i> , <b>2020</b> , 49, 15646-15662	4.3	7
36	Synthesis and structural characterization of six Cu(II)-based coordination polymers using the thermally tunable 1,2,3,4-cyclobutanetetracarboxylic acid. <i>CrystEngComm</i> , <b>2015</b> , 17, 5081-5093	3.3	6
35	A nano-polycrystalline diamond anvil cell with bulk metallic glass cylinder for single-crystal neutron diffraction. <i>High Pressure Research</i> , <b>2020</b> , 40, 88-95	1.6	6
34	Three new europium(III) methanetriacetate metal-organic frameworks: the influence of synthesis on the product topology. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , <b>2014</b> , 70, 19-27	1.8	5
33	Synthesis, crystal structure and magnetic properties of a new cyanide-bridged mixed-valence copper(I)/copper(II) clathrate. <i>Inorganic Chemistry Communication</i> , <b>2013</b> , 35, 252-254	3.1	5
32	Synthesis, structural analysis, and thermal and spectroscopic studies of methylmalonate-containing zinc(II) complexes. <i>Comptes Rendus Chimie</i> , <b>2012</b> , 15, 911-923	2.7	5
31	Incommensurate structures of the $[\text{CHNH}][\text{Co}(\text{COOH})]$ compound. <i>IUCrJ</i> , <b>2019</b> , 6, 105-115	4.7	5
30	The Effects of Sr Content on the Performance of NdSrCoO Air-Electrode Materials for Intermediate Temperature Solid Oxide Fuel Cells under Operational Conditions. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 12111-12121	5.1	5
29	Neutron diffraction study of the Pd <sub>0.772</sub> Ag <sub>0.228</sub> D membrane for hydrogen separation. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 6787-6792	6.7	4
28	Mode-crystallography analysis and magnetic structures of SrLnFeRuO <sub>6</sub> (Ln = La, Pr, Nd) disordered perovskites. <i>Acta Crystallographica Section B: Structural Science</i> , <b>2012</b> , 68, 590-601		4
27	Tuning the spin ground state in heteronuclear nickel(II)-copper(II) cylinders with a triangular metallacyclophane core. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 11264-6	5.1	4
26	Hysteretic structural changes within five-layered modulated 10M martensite of Ni-Mn-Ga(-Fe). <i>Journal of Physics Condensed Matter</i> , <b>2021</b> , 33,	1.8	4
25	((R)-1,3-Hydroxyquinuclidium) $[\text{FeCl}_4]$ ; a plastic hybrid compound with chirality, ferroelectricity and long range magnetic ordering. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 4453-4465	7.1	4

24	The inverse perovskite BaLiF <sub>3</sub> : single-crystal neutron diffraction and analyses of potential ion pathways. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , <b>2018</b> , 74, 643-650	1.8	4
23	Kinetics of deuteration of the Pd <sub>0.772</sub> Ag <sub>0.228</sub> alloy with $\beta$ -phase transition by in-situ neutron diffraction. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 790, 502-508	5.7	3
22	Magnetic frustration in partially ordered double perovskites Ln <sub>3</sub> Ni <sub>2</sub> RuO <sub>9</sub> (Ln = La, Nd). <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 806, 1509-1516	5.7	3
21	A multi-methodological study of kernite, a mineral commodity of boron. <i>American Mineralogist</i> , <b>2020</b> , 105, 1424-1431	2.9	3
20	Experimental Evidence of the Coexistence of Proper Magnetic and Structural Incommensurability on the [CHNH][Ni(COOH)] Compound. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 17896-17905	5.1	3
19	A multi-methodological study of kurnakovite: A potential B-rich aggregate. <i>American Mineralogist</i> , <b>2019</b> , 104, 1315-1322	2.9	3
18	Permanent Porosity in Hydroxamate Titanium-Organic Polyhedra. <i>Journal of the American Chemical Society</i> , <b>2021</b> ,	16.4	3
17	Origin of the magnetoelectric effect in the Cs <sub>2</sub> FeCl <sub>5</sub> ·2H <sub>2</sub> O compound. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	2
16	Synthesis, crystal structure and magnetic properties of the cyclic tetranuclear compound [Cu <sub>4</sub> (pz) <sub>4</sub> (hppa) <sub>2</sub> (H <sub>2</sub> O) <sub>4</sub> ] [pz = pyrazolate; hppa = R,S-2-hydroxo-2-phenyl-2-(1-pyrazolyl)acetate]. <i>Polyhedron</i> , <b>2019</b> , 170, 217-222	2.7	2
15	Magnetic inversion symmetry breaking and spin reorientation in Tb <sub>2</sub> MnNiO <sub>6</sub> : A polar strong ferromagnet. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	2
14	Structural and magnetic properties of the low-dimensional fluoride $\beta$ -FeF <sub>3</sub> (H <sub>2</sub> O) <sub>2</sub> ·H <sub>2</sub> O. <i>Dalton Transactions</i> , <b>2015</b> , 44, 14130-8	4.3	2
13	Temperature evolution of (quinuclidinium)[FeCl <sub>4</sub> ]: a plastic/polar magnetic hybrid compound with a giant dielectric constant. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 11389-11398	7.1	2
12	High temperature tetragonal crystal structure of UPt <sub>2</sub> Si <sub>2</sub> . <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , <b>2020</b> , 235, 175-181	1	2
11	A single-crystal neutron diffraction study of wardite, NaAl <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> (OH) <sub>4</sub> ·2H <sub>2</sub> O. <i>Physics and Chemistry of Minerals</i> , <b>2019</b> , 46, 427-435	1.6	2
10	Effect of lattice distortion on uranium magnetic moments in U <sub>4</sub> Ru <sub>7</sub> Ge <sub>6</sub> studied by polarized neutron diffraction. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	1
9	Spin-density studies of the multiferroic metal-organic compound [NH(CH <sub>3</sub> )] <sub>2</sub> [FeFe(HCOO)]. <i>IUCrJ</i> , <b>2020</b> , 7, 803-813	4.7	1
8	Magnetoelectric effect in a single crystal of the frustrated spinel CoAl <sub>2</sub> O <sub>4</sub> . <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	1
7	Tuning the tilting of the spiral plane by Mn doping in YBaCuFeO <sub>5</sub> multiferroic. <i>Acta Materialia</i> , <b>2021</b> , 206, 116608	8.4	1

6	Breakdown of the linear physical behavior in a solid solution of a halometallate molten salt, (dimim)[Fe(Cl <sub>1-x</sub> Br <sub>x</sub> ) <sub>4</sub> ] 0 ≤ x ≤ 1. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 325, 114570	6	1
5	Magnetic properties of a highly ordered single crystal of the layered perovskite YBaCuFe <sub>0.95</sub> Mn <sub>0.05</sub> O <sub>5</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2022</b> , 551, 169165	2.8	0
4	Crystal and magnetic structure of the (trimim)[FeBr <sub>4</sub> ] molten salt: A temperature dependence study. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 331, 115716	6	0
3	Int3D: A Data Reduction Software for Single Crystal Neutron Diffraction. <i>Crystals</i> , <b>2021</b> , 11, 897	2.3	0
2	Incommensurate crystal structure, thermal expansion study and magnetic properties of (dimethylimidazolium) <sub>2</sub> [Fe <sub>2</sub> Cl <sub>6</sub> (EO)]. <i>JPhys Materials</i> , <b>2019</b> , 3, 015002	4.2	
1	Optimum calcination temperature in the synthesis of a N-C-S co-doped TiO <sub>2</sub> photocatalyst, as monitored by neutron diffraction. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 549, 012026	0.3	