

João C Waerenborgh

List of Publications by Year in descending order

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221
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87888

38
h-index

155660

55
g-index

228
all docs

228
docs citations

228
times ranked

5535
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and morphological characterization of FeCo ₂ O ₄ and CoFe ₂ O ₄ spinels prepared by a coprecipitation method. <i>Solid State Sciences</i> , 2003, 5, 383-392.	3.2	257
2	Synthesis, Chirality, and Magnetic Properties of Bimetallic Cyanide-Bridged Two-Dimensional Ferromagnets. <i>Chemistry of Materials</i> , 2006, 18, 2670-2681.	6.7	111
3	Temperature and Composition Dependence of the Cation Distribution in Synthetic ZnFe _y Al _{2-y} O ₄ (0 ≤ y ≤ 1). <i>Journal of Solid State Chemistry</i> , 2001, 159, 391-402.	2.9	107
4	Oxygen Nonstoichiometry, Mixed Conductivity, and Mössbauer Spectra of Ln _{0.5} A _{0.5} FeO ₃ (Ln = La~Sm, A = Sr, Ba): Effects of Cation Size. <i>Chemistry of Materials</i> , 2008, 20, 6457-6467.	6.7	98
5	Isorecticular two-dimensional magnetic coordination polymers prepared through pre-synthetic ligand functionalization. <i>Nature Chemistry</i> , 2018, 10, 1001-1007.	13.6	94
6	Oxygen Ionic and Electronic Transport in Apatite-Type Solid Electrolytes. <i>Journal of the Electrochemical Society</i> , 2004, 151, A1236.	2.9	93
7	Prussian Blue@MoS ₂ Layer Composites as Highly Efficient Cathodes for Sodium and Potassium Ion Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1706125.	14.9	88
8	Ionic conductivity of brownmillerite-type calcium ferrite under oxidizing conditions. <i>Solid State Ionics</i> , 2006, 177, 2923-2930.	2.7	84
9	Multifunctional Magnetic Materials Obtained by Insertion of a Spin-Crossover Fe ^{III} Complex into Bimetallic Oxalate-Based Ferromagnets. <i>Chemistry - A European Journal</i> , 2010, 16, 2207-2219.	3.3	79
10	Selective Carbon Dioxide Hydrogenation Driven by Ferromagnetic RuFe Nanoparticles in Ionic Liquids. <i>ACS Catalysis</i> , 2018, 8, 1621-1627.	11.2	77
11	Easy Excited-State Trapping and Record High <i>T</i> _{TIESST} in a Spin-Crossover Polyanionic Fe ^{II} Trimer. <i>Journal of the American Chemical Society</i> , 2015, 137, 11924-11927.	13.7	71
12	Behavior of REE and other trace and major elements during weathering of granitic rocks, Évora, Portugal. <i>Chemical Geology</i> , 1993, 107, 293-296.	3.3	69
13	Layered Molecule-Based Magnets Formed by Decamethylmetallocenium Cations and Two-Dimensional Bimetallic Complexes [M ^{II} Ru ^{III} (ox) ₃] ⁺ (M ^{II} =Mn, Fe, Co, Cu and Zn; ox=oxalate). <i>Journal of Solid State Chemistry</i> , 2001, 159, 391-402.	2.9	68
14	Mixed conductivity, oxygen permeability and redox behavior of K ₂ NiF ₄ -type La ₂ Ni _{0.9} Fe _{0.1} O ₄ + δ . <i>Journal of Solid State Chemistry</i> , 2008, 181, 1425-1433.	2.9	65
15	Low-dimensional molecular metals bis(maleonitriledithiolato)bis(perylene)metal, metal = iron and cobalt. <i>Inorganic Chemistry</i> , 1992, 31, 2598-2604.	4.0	60
16	Insertion of a Spin Crossover Fe ^{III} Complex into an Oxalate-Based Layered Material: Coexistence of Spin Canting and Spin Crossover in a Hybrid Magnet. <i>Inorganic Chemistry</i> , 2008, 47, 9111-9120.	4.0	59
17	[Fe(nsal ₂ trien)]SCN, a New Two-Step Iron(III) Spin Crossover Compound, with Symmetry Breaking Spin-State Transition and an Intermediate Ordered State. <i>Inorganic Chemistry</i> , 2013, 52, 3845-3850.	4.0	59
18	Conducting Anilate-Based Mixed-Valence Fe(II)Fe(III) Coordination Polymer: Small-Polaron Hopping Model for Oxalate-Type Fe(II)Fe(III) 2D Networks. <i>Journal of the American Chemical Society</i> , 2018, 140, 12611-12621.	13.7	58

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19	Stimuli Responsive Hybrid Magnets: Tuning the Photoinduced Spin-Crossover in Fe(III) Complexes Inserted into Layered Magnets. <i>Journal of the American Chemical Society</i> , 2013, 135, 8655-8667.	13.7	54
20	Multifunctional Magnetic Materials Obtained by Insertion of Spin-Crossover Fe ^{III} Complexes into Chiral 3D Bimetallic Oxalate-Based Ferromagnets. <i>Inorganic Chemistry</i> , 2011, 50, 9122-9130.	4.0	52
21	Powder XRD structure refinements and ⁵⁷ Fe Mössbauer effect study of synthetic Zn _{1-x} Fe _x Al ₂ O ₄ (0 < x < 1). <i>Journal of Solid State Chemistry</i> , 2001, 150, 114-121.	0.8	50
22	Interplay between Chemical Composition and Cation Ordering in the Magnetism of Ni/Fe Layered Double Hydroxides. <i>Inorganic Chemistry</i> , 2013, 52, 10147-10157.	4.0	50
23	A highly stable and hierarchical tetrathiafulvalene-based metal-organic framework with improved performance as a solid catalyst. <i>Chemical Science</i> , 2018, 9, 2413-2418.	7.4	50
24	Oxygen ionic and electronic transport in apatite ceramics. <i>Journal of the European Ceramic Society</i> , 2005, 25, 2583-2586.	5.7	48
25	Spin crossover Fe ^{II} complexes as templates for bimetallic oxalate-based 3D magnets. <i>Polyhedron</i> , 2007, 26, 1838-1844.	2.2	48
26	Fe ⁴⁺ formation in brownmillerite CaAl _{0.5} Fe _{0.5} O _{2.5} + δ . <i>Materials Letters</i> , 2003, 57, 4388-4393.	2.6	46
27	Phase formation and iron oxidation states in SrFe(Al)O ₃ + δ perovskites. <i>Materials Letters</i> , 2005, 59, 1644-1648.	2.6	45
28	Oxalate-Based 3D Chiral Magnets: The Series [ZII(bpy) ₃][ClO ₄][MIIIFeIII(ox) ₃] (ZII = Fe, Ru; MII = Mn, Fe; bpy) <i>Journal of the American Chemical Society</i> , 2009, 131, 1000-1004.	2.0	44
29	Magnetic phase diagram of the semioordered alloys YFe _{12-x} . <i>Physical Review B</i> , 1999, 60, 9494-9500.	3.2	43
30	Anion- π and Halide- π 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> , 2014, 53, 8384-8396.	4.0	43
31	Influence of Thermal Treatment and Crystal Growth on the Final Composition and Magnetic Properties of the YFe _{12-x} (4 < x < 4.2) Intermetallics. <i>Chemistry of Materials</i> , 2000, 12, 1743-1749.	6.7	42
32	Fe ⁴⁺ content and ordering of anion vacancies in partially reduced AFe _x Ti _{1-x} O _{3-y} (A = Ca, Sr; x < 1/2, 0.6) perovskites. An ⁵⁷ Fe Mössbauer spectroscopy study. <i>Journal of Physics Condensed Matter</i> , 2001, 13, 8171-8187.	1.8	41
33	Mixed conductivity, Mössbauer spectra and thermal expansion of (La,Sr)(Fe,Ni)O ₃ + δ perovskites. <i>Solid State Ionics</i> , 2008, 179, 2170-2180.	2.7	41
34	Clay mineral assemblages in weathered basalt profiles from central and southern Portugal: climatic significance. <i>Catena</i> , 2002, 49, 77-89.	5.0	40
35	On the relationships between structure, oxygen stoichiometry and ionic conductivity of CaTi _{1-x} Fe _x O ₃ + δ (x=0.05, 0.20, 0.40, 0.60). <i>Solid State Ionics</i> , 2003, 156, 371-381.	2.7	40
36	Transport properties and Mössbauer spectra of Fe-substituted La _{10-x} (Si,Al) ₆ O ₂₆ apatites. <i>Materials Research Bulletin</i> , 2004, 39, 763-773.	5.2	40

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37	Ionic and electronic conductivity of La _{0.83} Pr _x Si _{4.5} Fe _{1.5} O ₂₆ W _w apatites. <i>Solid State Ionics</i> , 2004, 171, 51-59.	2.7	40
38	Thermal Hysteresis in a Spin-Crossover Fe ^{III} Quinolyisalicylaldimine Complex, Fe ^{III} (5-Br-qsal) ₂ Ni(dmit) ₂ ·solv: Solvent Effects. <i>Inorganic Chemistry</i> , 2015, 54, 1354-1362.	4.0	40
39	Spin-crossover complex encapsulation within a magnetic metal-organic framework. <i>Chemical Communications</i> , 2016, 52, 7360-7363.	4.1	39
40	Defect formation in Gd ₃ Fe ₅ O ₁₂ -based garnets: a Mössbauer spectroscopy study. <i>Materials Letters</i> , 2004, 58, 3432-3436.	2.6	38
41	Heterometallic Titanium-Organic Frameworks as Dual-Metal Catalysts for Synergistic Non-buffered Hydrolysis of Nerve Agent Simulants. <i>Chem</i> , 2020, 6, 3118-3131.	11.7	37
42	Trapping of Anionic Organic Radicals by (Tp ₂ Me ₂)Ln (Ln = Sm, Eu). <i>Inorganic Chemistry</i> , 2007, 46, 9415-9424.	4.0	36
43	Synthesis, structure and properties of [Hpy] ₂ {[M(mnt) ₂] ₂ } (M = Co or Fe, Hpy = pyridinium, mnt =) <i>Tj ETQq1 1 0.784314 rgBT / Overlock 10 T</i>	1.1	35
44	Magnetization of the Fe sublattices in UFeAl ₁₂ (4% x 5.8) studied by Mössbauer spectroscopy. <i>Solid State Communications</i> , 1999, 110, 369-374.	1.9	35
45	Thermomechanical, transport and anodic properties of perovskite-type (La _{0.75} Sr _{0.25}) _{0.95} Cr _{1-x} Fe _x O ₃ . <i>Journal of Power Sources</i> , 2012, 206, 59-69.	7.8	35
46	Oxygen non-stoichiometry and defect thermodynamics in La ₂ Ni _{0.9} Fe _{0.1} O ₄ ·x. <i>Journal of Physics and Chemistry of Solids</i> , 2007, 68, 1443-1455.	4.0	33
47	Hybrid materials containing organometallic cations and 3-D anionic metal dicyanamide networks of type [Cp* ₂ M][M'(dca) ₃]. <i>Dalton Transactions</i> , 2005, , 285-290.	3.3	32
48	Rare earth and other trace and major elemental distribution in a pedogenic calcrete profile (Slimene,) <i>Tj ETQq0 0 0 rgBT / Overlock 10 T</i>	5.0	32
49	Influence of Microstructure on the Electrical Properties of Iron-Substituted Calcium Titanate Ceramics. <i>Journal of the American Ceramic Society</i> , 2004, 87, 2252-2261.	3.8	30
50	Oxygen ionic conductivity, Mössbauer spectra and thermal expansion of CaFe ₂ O ₄ ·x. <i>Solid State Ionics</i> , 2007, 178, 1428-1436.	2.7	30
51	Mössbauer spectroscopy analysis of ⁵⁷ Fe-doped YBaCo ₄ O ₇ ·x: Effects of oxygen intercalation. <i>Journal of Solid State Chemistry</i> , 2009, 182, 640-643.	2.9	30
52	Oxygen nonstoichiometry, chemical expansion, mixed conductivity, and anodic behavior of Mo-substituted Sr ₃ Fe ₂ O ₇ ·x. <i>Solid State Ionics</i> , 2010, 181, 1052-1063.	2.7	29
53	Oxygen deficiency, vacancy clustering and ionic transport in (La,Sr)Co ₃ ·x. <i>Solid State Ionics</i> , 2011, 192, 42-48.	2.7	29
54	Light-induced decarboxylation in a photo-responsive iron-containing complex based on polyoxometalate and oxalato ligands. <i>Chemical Science</i> , 2017, 8, 305-315.	7.4	29

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55	Characterization of the ternary uranium-iron aluminide UFe ₂ Al ₁₀ . <i>Intermetallics</i> , 2004, 12, 189-194.	3.9	28
56	Oxygen nonstoichiometry and ionic transport in La ₂ Ni(Fe)O ₄ + δ . <i>Solid State Ionics</i> , 2008, 179, 57-60.	2.7	28
57	A new hybrid material exhibiting room temperature spin-crossover and ferromagnetic cluster-glass behavior. <i>CrystEngComm</i> , 2009, 11, 2160.	2.6	28
58	Spontaneous Magnetization in Heterometallic NiFe-MOF-74 Microporous Magnets by Controlled Iron Doping. <i>Chemistry of Materials</i> , 2017, 29, 6181-6185.	6.7	28
59	Role of Structure and Composition on the Performances of P-Type Tin Oxide Thin-Film Transistors Processed at Low-Temperatures. <i>Nanomaterials</i> , 2019, 9, 320.	4.1	28
60	Mixed conductivity and Mössbauer spectra of (La _{0.5} Sr _{0.5}) _{1-x} Fe _{1-y} Al _y O _{3+δ} (x=0-0.05, y=0-0.30). <i>Journal of Solid State Chemistry</i> , 2006, 179, 1273-1284.	2.9	27
61	Mössbauer spectroscopy and magnetic transition of $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{I} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mtext} \rangle \text{I} \rangle \langle \text{mml:mtext} \rangle \langle \text{mml:msub} \langle \text{mml:mrow} \langle \text{mml:mrow} \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \rangle \rangle \rangle$. <i>Physical Review B</i> , 2010, 81, .	3.2	27
62	Magnetic structures of MFe ₄ + δ Al ₈ + δ (M=Lu,Y). <i>Physical Review B</i> , 2001, 63, .	3.2	26
63	Methane oxidation over perovskite-related ferrites: Effects of oxygen nonstoichiometry. <i>Solid State Sciences</i> , 2005, 7, 1344-1352.	3.2	26
64	Oxygen nonstoichiometry, Mössbauer spectra and mixed conductivity of Pr _{0.5} Sr _{0.5} FeO _{3+δ} . <i>Journal of Physics and Chemistry of Solids</i> , 2007, 68, 355-366.	4.0	26
65	Metal partitioning in sediments and mineralogical controls on the acid mine drainage in Ribeira da Água Forte (Aljustrel, Iberian Pyrite Belt, Southern Portugal). <i>Applied Geochemistry</i> , 2012, 27, 1063-1080.	3.0	26
66	Iron speciation in volcanic topsoils from Fogo island (Cape Verde) - Iron oxide nanoparticles and trace elements concentrations. <i>Catena</i> , 2014, 113, 95-106.	5.0	26
67	Anomalous magnetization cycle of UFe ₄ Al ₈ single crystals: A Mössbauer effect study. <i>Physical Review B</i> , 1999, 60, 4074-4081.	3.2	25
68	Clay minerals and iron oxides-oxyhydroxides as fingerprints of firing effects in a limestone monument. <i>Applied Clay Science</i> , 2009, 42, 629-638.	5.2	25
69	Soils in the semi-arid area of the El Melah Lagoon (NE Tunisia) - Variability associated with a closing evolution. <i>Catena</i> , 2010, 80, 9-22.	5.0	25
70	A Mössbauer study of natural gahnite spinels showing strongly temperature-dependent quadrupole splitting distributions. <i>European Journal of Mineralogy</i> , 1990, 2, 267-272.	1.3	24
71	Oxalate-Based Soluble 2D Magnets: The Series [K(18-crown-6)] ₃ [M ^{II}] ₃ (H ₂ O) ₄ {M ^{III} (ox) ₃ }(M ^{III} = Cr, Fe; M ^{II} = Mn, Fe, Ni, Co, Cu; ox =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50.07 Td (Q ₃) ₂		
72	Magnetic ionic plastic crystal: choline[FeCl ₄]. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 12724.	2.8	23

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73	Defect formation and transport in SrFe _{1-x} Al _x O ₃ . <i>Ionics</i> , 2004, 10, 378-384.	2.4	22
74	Stability, oxygen permeability and chemical expansion of Sr(Fe,Al)O ₃ - and Sr(Co,Fe)O ₃ -based membranes. <i>Solid State Ionics</i> , 2011, 192, 259-268.	2.7	21
75	Origin of reddening in a paleosol buried by lava flows in Fogo island (Cape Verde). <i>Journal of African Earth Sciences</i> , 2014, 96, 60-70.	2.0	21
76	New Mo-Fe-O silica supported catalysts for methanol to formaldehyde oxidation. <i>Applied Catalysis A: General</i> , 2008, 345, 185-194.	4.3	20
77	On the Magnetic Interactions in Metal-Be ₁₃ Compounds. <i>Physical Review Letters</i> , 1996, 77, 3917-3920.	7.8	19
78	Fully oxidized chromite in the Serra Alta (South Portugal) quartzites: chemical and structural characterization and geological implications. <i>Mineralogical Magazine</i> , 1997, 61, 627-638.	1.4	19
79	Structural characterization of cobalt(III), nickel(II), copper(II) and iron(III) complexes of tetraazamacrocycles with N-carboxymethyl arms. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 3253-3265.	1.1	19
80	Redox behavior and transport properties of La _{0.5} xSr _{0.5} xFe _{0.4} Ti _{0.6} O ₃ (0<x<0.1) validated by Mössbauer spectroscopy. <i>Solid State Ionics</i> , 2002, 146, 87-93.	2.7	19
81	Redox behaviour of Sr ₄ Fe ₆ O ₁₃ by Mössbauer spectroscopy and neutron diffraction. <i>Materials Letters</i> , 2003, 57, 3245-3250.	2.6	19
82	Mössbauer Spectra and Catalytic Behavior of Perovskite-like SrFe _{0.7} Al _{0.3} O ₃ . <i>Catalysis Letters</i> , 2005, 99, 249-255.	2.6	19
83	Mixed Conductivity and Stability of CaFe ₂ O ₄ . <i>Journal of the Electrochemical Society</i> , 2008, 155, P13.	2.9	19
84	3D-printed platform multi-loaded with bioactive, magnetic nanoparticles and an antibiotic for re-growing bone tissue. <i>International Journal of Pharmaceutics</i> , 2021, 593, 120097.	5.2	19
85	(n-Bu ₄ N)[Fe(cbdt) ₂]: Synthesis, crystal structure and magnetic characterisation of a new Fe ^{III} bisdithiolene complex. <i>Inorganica Chimica Acta</i> , 2008, 361, 3836-3841.	2.4	18
86	Synthesis, characterization and magnetism of homoleptic bis(5-aryl-2-iminopyrrolyl) complexes of iron(II) and cobalt(II). <i>Polyhedron</i> , 2018, 152, 179-187.	2.2	18
87	UFe ₆ Ge ₆ : a new ternary magnetic compound. <i>Journal of Alloys and Compounds</i> , 1994, 204, 59-64.	5.5	17
88	Magnetic properties of NpGa ₃ at high pressures. <i>Physical Review B</i> , 1996, 54, 12283-12293.	3.2	17
89	Y-Fe-Al ternary system: partial isothermal section at 1070 K. <i>Journal of Alloys and Compounds</i> , 2001, 323-324, 78-82.	5.5	17
90	Oxygen non-stoichiometry of Ln ₄ Ni _{2.7} Fe _{0.3} O ₁₀ (Ln=La, Pr). <i>Journal of Solid State Chemistry</i> , 2007, 180, 1902-1910.	2.9	17

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91	Hybrid Magnetic Superconductors Formed by TaS ₂ Layers and Spin Crossover Complexes. Inorganic Chemistry, 2013, 52, 8451-8460.	4.0	17
92	Magnetic properties of binary and ternary mixed metal oxides NiFe ₂ O ₄ and Zn _{0.5} Ni _{0.5} Fe ₂ O ₄ doped with rare earths by sol-gel synthesis. Chemical Papers, 2016, 70, .	2.2	17
93	Hydrogen-bonded networks of [Fe(bpp) ₂] ²⁺ spin crossover complexes and dicarboxylate anions: structural and photomagnetic properties. Dalton Transactions, 2016, 45, 17918-17928.	3.3	17
94	⁵⁷ Fe Mössbauer spectroscopy study of the AFexAl _{12-x} intermetallics (A = Y, Tm, Lu and U, 4% x 4.3). Journal of Alloys and Compounds, 2001, 317-318, 44-51.	5.5	16
95	Fe SPECIATION IN WEATHERED PYROCHLORE-GROUP MINERALS FROM THE LUESHE AND ARAXA (BARREIRO) CARBONATITES BY ⁵⁷ Fe MOSSBAUER SPECTROSCOPY. Canadian Mineralogist, 2001, 39, 1073-1080.	1.0	16
96	Properties of CaTi _{1-x} Fe _x O ₃ Ceramic Membranes. Journal of Electroceramics, 2004, 13, 627-636.	2.0	16
97	Magnesium doping on brownmillerite Ca ₂ FeAlO ₅ . Journal of Solid State Chemistry, 2007, 180, 1863-1874.	2.9	15
98	Evidence of uranium magnetic ordering on U ₂ Fe ₃ Ge. Solid State Communications, 2008, 148, 159-162.	1.9	15
99	Defect formation, ordering, and transport in SrFe _{1-x} Si _x O ₃ (x = 0.05-0.20). Journal of Solid State Electrochemistry, 2018, 22, 727-737.	2.5	15
100	Precipitation of zinc ferrite nanoparticles in the Fe ₂ O ₃ -ZnO-SiO ₂ glass system. Journal of Non-Crystalline Solids, 2007, 353, 2374-2382.	3.1	14
101	Transport and magnetic properties of Ce ₂ NiIn ₃ . Journal of Alloys and Compounds, 2007, 432, 34-38.	5.5	14
102	Mixed conductivity, thermochemical expansion and electrochemical activity of Fe-substituted (La,Sr)(Cr,Mg)O ₃ for solid oxide fuel cell anodes. Journal of Power Sources, 2014, 249, 483-496.	7.8	14
103	Crystal structure and spin crossover behavior of the [Fe(5-Cl-qsal) ₂][Ni(dmit) ₂] ₂ ·2CH ₃ CN complex. Polyhedron, 2015, 85, 643-651.	2.2	14
104	Biomimetic Amorphous Titania Nanoparticles as Ultrasound Responding Agents to Improve Cavitation and ROS Production for Sonodynamic Therapy. Applied Sciences (Switzerland), 2020, 10, 8479.	2.5	14
105	Dynamically slow solid-to-solid phase transition induced by thermal treatment of DimimFeCl ₄ magnetic ionic liquid. Physical Chemistry Chemical Physics, 2016, 18, 21881-21892.	2.8	13
106	Microdomain texture and microstructures of Fe ⁴⁺ -containing CaTi _{0.4} Fe _{0.6} O ₃ . Journal of Solid State Chemistry, 2004, 177, 3105-3113.	2.9	12
107	Redox chemistry and magnetism of LaSrM _{0.5} Ru _{0.5} O ₄ (M = Co, Ni and Zn) Ruddlesden-Popper phases. Dalton Transactions, 2012, 41, 11507.	3.3	12
108	Redox behavior and transport properties of brownmillerite Ca ₂ (Fe,M)O ₅ (M = Mn, Co). Solid State Ionics, 2012, 225, 206-210.	2.7	12

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109	Crystallization of iron-containing Si-Al-Mg-O glasses under laser floating zone conditions. Journal of Alloys and Compounds, 2014, 611, 57-64.	5.5	12
110	Grain-boundary states in solid oxide electrolyte ceramics processed using iron oxide sintering aids: a Mössbauer spectroscopy study. Journal of Solid State Electrochemistry, 2017, 21, 2965-2974.	2.5	12
111	Hydroboration of terminal olefins with pinacolborane catalyzed by new 2-iminopyrrolyl iron(II) complexes. Catalysis Science and Technology, 2019, 9, 3347-3360.	4.1	12
112	Variable Dimensionality, Valence, and Magnetism in Fluoride-Rich Iron Phosphates Ba _x Fe _x (PO ₄) _y (1 ≤ x < 3, 2 ≤ y < 10) rgBT/O	4.1	12
113	Fundamental Insights into the Covalent Silane Functionalization of NiFe Layered Double Hydroxides. Chemistry - A European Journal, 2020, 26, 6504-6517.	3.3	12
114	Interplay of Superstructural Ordering and Magnetic Properties of the Sr ₂ FeMoO ₆ Double Perovskite. Science of Advanced Materials, 2015, 7, 446-454.	0.7	12
115	HYPOGENE TITANIAN, VANADIAN MAGHEMITE IN REWORKED OXIDE CUMULATES IN THE BEJA LAYERED GABBRO COMPLEX, ODIVELAS, SOUTHEASTERN PORTUGAL. Canadian Mineralogist, 2003, 41, 1105-1124.	1.0	11
116	Cubane-Type Mo ₃ FeS ₄ ^{4+,5+} Complexes Containing Outer Diphosphane Ligands: Ligand Substitution Reactions, Spectroscopic Studies, and Electronic Structure. Inorganic Chemistry, 2012, 51, 10512-10521.	4.0	11
117	Phase separation-promoted ion conduction in SrFe _{0.67} Co _{0.33} O _{3+δ} ceramics. Solid State Ionics, 2013, 244, 17-22.	2.7	11
118	Iron incorporation into magnesium aluminosilicate glass network under fast laser floating zone processing. Ceramics International, 2016, 42, 2693-2698.	4.8	11
119	SPIONs Prepared in Air through Improved Synthesis Methodology: The Influence of Fe ₃ O ₄ /Fe ₃ O ₄ Ratio and Coating Composition on Magnetic Properties. Nanomaterials, 2019, 9, 943.	4.1	11
120	Exploiting the Redox Activity of MIL-100(Fe) Carrier Enables Prolonged Carvacrol Antimicrobial Activity. ACS Applied Materials & Interfaces, 2022, 14, 10758-10768.	8.0	11
121	X-ray powder diffraction and ⁵⁷ Fe Mössbauer spectroscopy study of the thermal breakdown of vivianite, Fe ₃ (PO ₄) ₂ ·8H ₂ O. Hyperfine Interactions, 1986, 29, 1101-1104.	0.5	10
122	Electrical resistivity of An ₂ TAl ₃ (An → Np, Pu; T → Ni, Pd). Physica B: Condensed Matter, 1995, 206-207, 525-527.	2.7	10
123	Structural and physical properties of UFe ₁₀ Mo ₂ . Journal of Alloys and Compounds, 1995, 218, 183-189.	5.5	10
124	Structural and magnetic characterization of DyFe _x Sn ₂ (0 ≤ x ≤ 0.3) intermetallics. Intermetallics, 2005, 13, 61-67.	3.9	10
125	Structure and magnetic properties of Ca ₂ Fe _{1-x} Mn _x AlO ₅ . Journal of Solid State Chemistry, 2008, 181, 2530-2541.	2.9	10
126	Defect Interactions in Sr ₃ La(Fe,Al) ₃ O ₁₀ by Computer Simulations and Mössbauer Spectroscopy. Chemistry of Materials, 2009, 21, 5072-5078.	6.7	10

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127	Spin-glass-like behaviour in the ternary $U_3Fe_{4+x}Al_{12}x$ uranium-iron aluminide. <i>Intermetallics</i> , 2009, 17, 25-31.	3.9	10
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