Johan Linden

List of Publications by Year
in descending order

118 papers	1,440 citations	394390 19 h-index	377849 34 g-index
124 all docs	124 docs citations	124 times ranked	1112 citing authors

#	Article	IF	Citations
1	Evidence for valence fluctuation of Fe in Sr2FeMoO6â^'w double perovskite. Applied Physics Letters, 2000, 76, 2925-2927.	3.3	185
2	Verwey transition in mixed-valenceTbBaFe2O5:â€ƒTwo attempts to order charges. Physical Review B, 2001, 64, .	3.2	74
3	Valence-state mixing and separation inSmBaFe2O5+w. Physical Review B, 1999, 60, 15251-15260.	3.2	61
4	Simple and Efficient Route to Prepare Homogeneous Samples of Sr2FeMoO6with a High Degree of Fe/Mo Order. Chemistry of Materials, 2004, 16, 4337-4342.	6.7	55
5	Observation of MÃ¶ssbauer resonance line splitting caused by Rabi oscillations. Physical Review Letters, 1992, 69, 2815-2818.	7.8	50
6	Observation of antiphase boundaries inSr2FeMoO6. Physical Review B, 2003, 68, .	3.2	49
7	Novel methods of synthesis and wet-chemical redox analysis for magnetoresistive double-perovskite Sr2FeMoO6 â^' w. Journal of Materials Chemistry, 2000, 10, 2342-2345.	6.7	44
8	Iron valence in double-perovskite (Ba,Sr,Ca)2FeMoO6: isovalent substitution effect. Journal of Solid State Chemistry, 2004, 177, 2655-2662.	2.9	39
9	Magnetic properties of fine SFMO particles: Superparamagnetism. Journal of Magnetism and Magnetic Materials, 2007, 309, 278-284.	2.3	39
10	Iron and molybdenum valences in double-perovskite (Sr,Nd)2FeMoO6: electron-doping effect. Solid State Communications, 2004, 129, 129-133.	1.9	38
11	Isomerization of Î±-Pinene Oxide Over Iron-Modified Zeolites. Topics in Catalysis, 2013, 56, 696-713.	2.8	33
12	Valence State of Iron in the Sr2Fe(Mo,W,Ta)O6.0Double-Perovskite System:Â an FeK-edge andL2,3-edge XANES Study. Chemistry of Materials, 2003, 15, 4118-4121.	6.7	32
13	Control of Fe valence state and magnetoresistance by means ofT=Taand W substitution inSr2Fe(Mo1â^'xTx)O6. Physical Review B, 2002, 66, .	3.2	31
14	Two orders of magnitude enhancement in oxygen evolution reactivity of La0.7Sr0.3Fe1â^'Ni O3â^' by improving the electrical conductivity. Nano Energy, 2022, 93, 106794.	16.0	26
15	Interplay between Cu and Fe Valences in BaR(Cu0.5Fe0.5)2O5+Î´ Double Perovskites with R=Lu, Yb, Y, Eu, Sm, Nd, and Pr. Journal of Solid State Chemistry, 2002, 166, 118-127.	2.9	25
16	Structural, magnetic and spectroscopic investigations of europium oxychloride, EuOCl. Journal of Alloys and Compounds, 2004, 380, 296-302.	5.5	24
17	Observation of lattice softening at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si4.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>T</mml:mi></mml:mrow><mml:mrow><mml:mstyle mathvariant="normal"><mml:mi>c</mml:mi></mml:mstyle></mml:mrow></mml:msub></mml:math> in the FeSe0.5Te0.5 superconductor. Solid State Communications, 2011, 151, 130-134.	1.9	24
18	Structural aspects of Pr1â^'xSrxFeO3â^'w. Journal of Solid State Chemistry, 2003, 173, 148-163.	2.9	22

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19	Layered (Cu,Fe) oxides of double perovskite structure:â€‚Correlation between structural and magnetic-property changes inBaY(Cu0.5Fe0.5)2O5+Î´upon high-pressure heat treatment. Physical Review B, 1998, 58, 3371-3376.	3.2	20
20	Layered (Cu,Fe) oxides of double perovskite structure.â€ƒII.â€ƒExtension of solid solubility of copper in(Ba,La)Y(Cu0.5+xFe0.5âˆ’x)2O5+Î´via high-pressure heat treatment. Physical Review B, 1999, 59, 1377-1382.	3.2	20
21	Sol-gel synthesis and characterization of superconducting (Y1âˆ’xEux)Ba2(Cu1âˆ’y 57Fey)4O8 samples. Journal of Alloys and Compounds, 1995, 225, 586-590.	5.5	19
22	Characterization of superconductingBi2Sr2Caâˆ’1CunO4+2nphases withFe57MÃ¶ssbauer spectroscopy. Physical Review B, 1990, 42, 4212-4218.	3.2	18
23	MÃ¶ssbauer-NMR double resonance. Physical Review B, 1995, 52, 10268-10277.	3.2	18
24	A57Fe MÃ¶ssbauer Study ofREBa2Fe3O8+wTriple Perovskites with Varied Oxygen Content (RE=Dy, Er, and) Tj ETQq0 0 0 rgBT /Overloc	2.9	18
25	Coexistence of intrinsic and extrinsic magnetoresistance in the double-perovskite Sr2Fe(Mo1âˆ’xWx)O6âˆ’w system. Applied Physics Letters, 2001, 78, 2736-2738.	3.3	18
26	Hackmaniteâ€”The Natural Glow-in-the-Dark Material. Chemistry of Materials, 2020, 32, 8895-8905.	6.7	17
27	Europium-based high-temperature superconductors studied by x-ray diffraction andEu151MÃ¶ssbauer spectroscopy. Physical Review B, 1992, 46, 8534-8541.	3.2	16
28	Partial Oxygen Ordering in Cubic PerovskiteREBa2Fe3O8+w(RE=Gd, Eu, Sm, Nd). Journal of Solid State Chemistry, 1999, 144, 398-404.	2.9	16
29	Iron substitution effects in YBa2Cu4O8synthesized by the sol-gel technique. Superconductor Science and Technology, 1995, 8, 79-84.	3.5	15
30	A57Fe MÃ¶ssbauer Study of the Cubic Perovskite-Type Phase LaBa2Fe3O8+w(âˆ’0.20<w<0.83). Journal of Solid State Chemistry, 1998, 138, 87-97.	2.9	14
31	Substitution of Co3+ in YBa2Fe3O8. Journal of Solid State Chemistry, 2003, 172, 73-80.	2.9	14
32	Opening of monoterpene epoxide to a potent anti-Parkinson compound of para-menthane structure over heterogeneous catalysts. Reaction Kinetics, Mechanisms and Catalysis, 2013, 110, 449-458.	1.7	14
33	Magnetoresistance effect in the fluctuating-valence BaSmFe2O5+w system. Applied Physics Letters, 2000, 77, 1683-1685.	3.3	13
34	: Extent of charge ordering by MÃ¶ssbauer spectroscopy and high-intensity high-resolution powder diffraction. Journal of Solid State Chemistry, 2007, 180, 138-147.	2.9	13
35	Magnetic properties and structural characterization of iron oxide nanoparticles formed by Streptococcus suis Dpr and four mutants. Journal of Biological Inorganic Chemistry, 2011, 16, 799-807.	2.6	12
36	Europium substitution effects in superconductingYBa2Cu4O8synthesized under one atmosphere oxygen pressure. Physical Review B, 1994, 50, 4154-4158.	3.2	11

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37	Large low-field magnetoresistance effect in Sr[sub 2]FeMoO[sub 6] homocomposites. Applied Physics Letters, 2005, 86, 072510.	3.3	11
38	Iron mixed-valence compounds, BaSm(Cu0.5+xFe0.5â^'x)2O5+Î´. Physica C: Superconductivity and Its Applications, 2000, 338, 121-125.	1.2	10
39	Effect of LiF addition on the formation of the superconducting YBa2Cu4O8phase. Journal of Materials Chemistry, 1995, 5, 875-878.	6.7	9
40	NdBaFe2O5+w and steric effect of Nd on valence mixing and ordering of Fe. Journal of Solid State Chemistry, 2010, 183, 2703-2713.	2.9	9
41	Solvent-free â€œgreenâ€•amidation of stearic acid for synthesis of biologically active alkylamides over iron supported heterogeneous catalysts. Applied Catalysis A: General, 2017, 542, 350-358.	4.3	9
42	: Valence mixing and charge ordering are two separate cooperative phenomena. Journal of Solid State Chemistry, 2007, 180, 148-157.	2.9	8
43	Synthesis of carbon nanotubes on FexOy doped Al2O3â€“ZrO2 nanopowder. Powder Technology, 2014, 266, 106-112.	4.2	8
44	Dynamical magnetic behavior of anisotropic spinel-structured ferrite for GHz technologies. Scientific Reports, 2021, 11, 614.	3.3	8
45	Studies of hyperfine interactions inRBa2(Cu1-x 57Fex)3O7-Î´ high-T c superconductors. Hyperfine Interactions, 1990, 55, 1399-1403.	0.5	7
46	Investigations of the system by MÃ¶ssbauer resonance and x-ray diffraction. Superconductor Science and Technology, 1996, 9, 399-404.	3.5	7
47	Magnetoresistance peak in the vicinity of the charge disproportionation/ordering transition in the R1/3Sr2/3FeO3â^'Î´ (R=La, Pr) perovskite. Solid State Communications, 2001, 119, 159-162.	1.9	7
48	Intermixing of Fe at Cu(1)-chain and Cu(2)-plane sites in FeSr2YCu2O7.30 system: A neutron diffraction and MÃ¶ssbauer spectroscopic study. Physica B: Condensed Matter, 2002, 312-313, 62-64.	2.7	7
49	Exploring the Verwey-Type Transition in GdBaFe2O5+wUsing57Fe MÃ¶ssbauer Spectroscopy. Hyperfine Interactions, 2004, 156/157, 321-325.	0.5	7
50	Structural and magnetic properties of MSr2Y1.5Ce0.5Cu2Oz (M-1222) compounds with M=Fe and Co. Journal of Applied Physics, 2004, 95, 6690-6692.	2.5	7
51	Transport and magnetotransport properties across the two-step Verwey transition inBaGdFe2O5+w. Physical Review B, 2006, 73, .	3.2	7
52	Evolution of the hyperfine parameters of Fe in superconducting LiFeAs as observed by 57Fe MÃ¶ssbauer spectroscopy. Solid State Communications, 2010, 150, 1525-1528.	1.9	7
53	A 57 Fe MÃ¶ssbauer study on the FeSe and Fe(Se,Te) superconductors: discontinuities in the hyperfine parameters at T c. Hyperfine Interactions, 2012, 208, 133-136.	0.5	7
54	A 57Fe MÃ¶ssbauer study of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0002.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi>FeTe</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^'<mathvariant="normal">S</mml:mi></mml:mrow><mml:mrow><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>. Journal of Magnetism and Magnetic Materials, 2013, 329, 129-132.	2.3	7

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55	Precise determination of the hyperfine parameters of europium in multifluorite perovskites byEu151MÃ¶ssbauer spectroscopy. Physical Review B, 1994, 49, 15280-15286.	3.2	6
56	Annealing characteristics and calcium doping effects in the superconducting Pb2CuSr2[Eu1â^'xCax]Cu2O8+Î´ system. Physica C: Superconductivity and Its Applications, 1997, 292, 225-232.	1.2	6
57	Magnetic properties of spinel oxides, InFeMO4 (M=Mg, Co and Ni). Solid State Communications, 2007, 144, 249-254.	1.9	6
58	Metal valences in electron-doped (Sr,La)2FeTaO6 double perovskite: A 57Fe MÃ¶ssbauer spectroscopy study. Journal of Solid State Chemistry, 2007, 180, 440-445.	2.9	6
59	Studies on InFeMO4 (M=Mg, Co, Ni, Cu and Zn) compounds: Crystal structure and cation distribution. Journal of Solid State Chemistry, 2007, 180, 2316-2322.	2.9	6
60	Evolution of the internal magnetic field in chalcogenide superconductors for various x values. Journal of Magnetism and Magnetic Materials, 2014, 357, 82-86.	2.3	6
61	Orbital occupancy evolution across spin- and charge-ordering transitions in YBaFe 2 O 5. Journal of Solid State Chemistry, 2017, 252, 119-128.	2.9	6
62	MÃ¶ssbauer study of magnetism in Fe3Se4. Journal of Alloys and Compounds, 2018, 746, 135-139.	5.5	6
63	Title is missing!. Journal of Low Temperature Physics, 1999, 117, 861-865.	1.4	5
64	Hole-doping effect on the Verwey-type transition and magnetoresistivity of Ba(Sm,Ca)Fe2O5+Î´. Solid State Communications, 2002, 121, 269-274.	1.9	5
65	Isovalent-substitution effect on the Verwey-type transition in theA-site-ordered double perovskite(Ba,Sr)RFe2O5. Physical Review B, 2004, 70, .	3.2	5
66	Space group determination of the BaY(Cu0.5Fe0.5)2O5+Î´ phase using a convergent-beam electron-diffraction technique. Journal of Solid State Chemistry, 2004, 177, 1958-1964.	2.9	5
67	Measurement of Local Magnetic Fields in theCuO2Planes ofCuBa2YCu2O7â^'Î´Superconductors. Physical Review Letters, 2007, 98, 067001.	7.8	5
68	The rolling elliptical cylinder. American Journal of Physics, 2021, 89, 358-364.	0.7	5
69	Characterization of the europium substituted superconducting Bi2Sr2CaCu2O8+yphase. Superconductor Science and Technology, 1992, 5, 476-481.	3.5	4
70	151Eu MÃ¶ssbauer study of the CuEuO2+Î´ delafossite. Physica B: Condensed Matter, 1999, 271, 223-229.	2.7	4
71	Evidence of magnetic broadening in MÃ¶ssbauer spectra of superconducting FeTe 0.8 S 0.2. Hyperfine Interactions, 2013, 221, 15-21.	0.5	4
72	57Fe MÃ¶ssbauer study of a secondary phase in FeSe1â^'x with a large quadrupole splitting. Hyperfine Interactions, 2014, 226, 341-349.	0.5	4

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73	Local structures in mixed Li Fe1â^'M PO4 (M=Co, Ni) electrode materials. Journal of Solid State Chemistry, 2015, 230, 404-410.	2.9	4
74	Susceptibility and MÃ¶ssbauer Studies of Orthorhombic and Tetragonal EuBa2(Cu1-x 57Fe x)3O7-Î´ , 1988, , 209-215.		4
75	A diamagnetic iron complex and its twisted sister â€“ structural evidence on partial spin state change in a crystalline iron complex. Dalton Transactions, 2021, 50, 15831-15840.	3.3	4
76	Influence of high-frequency modulation on MÃ¶ssbauer resonance: Experiments with67Zn. Hyperfine Interactions, 1989, 47-48, 139-158.	0.5	3
77	Combined 57Fe MÃ¶ssbauer-NMR experiments using FeNi alloys. Nuclear Instruments & Methods in Physics Research B, 1993, 76, 146-148.	1.4	3
78	Eu151MÃ¶ssbauer spectroscopy and x-ray-diffraction studies on thePb2Ba2EuCu3O8+Î´system. Physical Review B, 1994, 50, 16040-16043.	3.2	3
79	Magnetic properties, oxygen content and metal valences in BaRE(Cu0.5Fe0.5)2O5+Î´ with RE=Lu, Yb, Y, Eu, Sm, Nd and Pr. Physica C: Superconductivity and Its Applications, 2000, 338, 132-136.	1.2	3
80	MÃ¶ssbauer spectroscopy investigation of the FeII/III mixed-valence state and the B-site order in double perovskite A2FeMoO6. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 843-844.	2.3	3
81	Modeling hyperfine parameters observed from the charge-ordered to valence-mixed state of NdBaFe2O5. Journal of Physics Condensed Matter, 2012, 24, 376002.	1.8	3
82	Iron orbital occupancies upon valence mixing of charge-ordered GdBaFeIIFeIIIO5. Hyperfine Interactions, 2014, 226, 329-339.	0.5	3
83	Demonstrating the conservation of angular momentum using spherical magnets. American Journal of Physics, 2018, 86, 25-30.	0.7	3
84	Fe3Se4: a possible ferrimagnetic half-metal?. Journal of Physics Condensed Matter, 2020, 32, 455801.	1.8	3
85	Preparative and MÃ¶ssbauer studies of Bi2Sr2Ca n-1Cu n O y compounds withn=2 or 3. Hyperfine Interactions, 1990, 55, 1405-1409.	0.5	2
86	Oxygen stoichiometry in the (Ba0.5La0.5)(Fe1â^'xCux)O3â^'w (x=0â€“1) perovskite system. Solid State Sciences, 2001, 3, 803-808.	0.7	2
87	Influence of W/Ta substitution at the Mo site on the Fe valence and magnetoresistive properties of Sr2FeMoO6. Physica B: Condensed Matter, 2002, 312-313, 787-788.	2.7	2
88	Valence mixing, separation and ordering in double-cell perovskite GdBaFe2O5+. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E267-E268.	2.3	2
89	MÃ¶ssbauer study of hyperfine interactions in EuFe 2 (As 1â^'x P x) 2 and BaFe 2 (As 1â^'x P x) 2. Journal of Magnetism and Magnetic Materials, 2015, 378, 327-332.	2.3	2
90	Upside down glass of water experiment revisited. Physics Education, 2020, 55, 055023.	0.5	2

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91	Growth of 57 Fe-doped YBa 2 Cu 3 O 7â^Î´ single crystals for MÃ¶ssbauer and susceptibility measurements. Physica C: Superconductivity and Its Applications, 1989, 162-164, 1259-1260.	1.2	1
92	MÃ¶ssbauer effect in confined liquid molecules. Physical Review B, 1992, 46, 5194-5202.	3.2	1
93	Observation of MÃ¶ssbauer Resonance Line Splitting Caused by Rabi Oscillations. Physical Review Letters, 1993, 70, 1353-1353.	7.8	1
94	Double resonance experiments in57Fe MÃ¶ssbauer spectroscopy. Hyperfine Interactions, 1994, 92, 1123-1126.	0.5	1
95	Iron mixed-valence compounds, BaSm(Cu0.5+xFe0.5â^'x)2O5+Î´. Physica C: Superconductivity and Its Applications, 2000, 338, 126-131.	1.2	1
96	57 Fe MÃ¶ssbauer spectroscopy investigation of La 0.7 Ca 0.3 Mn 0.5 Fe 0.5 O 3. Results in Physics, 2016, 6, 1175-1177.	4.1	1
97	Slow physics: recording the ascent and descent of a water column. Physics Education, 2018, 53, 045003.	0.5	1
98	Demonstrating the vector character of angular momentum using a tandem fidget spinner. Physics Education, 2018, 53, 023004.	0.5	1
99	MÃ¶ssbauer study of Ba2Ti2Fe2As4O. Journal of Alloys and Compounds, 2020, 848, 155706.	5.5	1
100	Investigating the vibrational lattice anisotropy in FeTe0.5Se0.5 using magnetically oriented crystallites. Solid State Communications, 2020, 312, 113877.	1.9	1
101	MÃ¶ssbauer Study of BaTh 2 Fe 4 As 4 (N 0.7 O 0.3) 2. Physica Status Solidi (B): Basic Research, 2021, 258, 2100125.	1.5	1
102	Suppression of the nuclear forward scattering signal in GdBaFe2O5 and PrBaFe2O5. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 416, 127652.	2.1	1
103	Poster contributions. Hyperfine Interactions, 1989, 47-48, 433-589.	0.5	0
104	Influence of high-frequency magnetic fields on MÃ¶ssbauer resonance. Hyperfine Interactions, 1990, 58, 2451-2455.	0.5	0
105	Application of151Eu MÃ¶ssbauer spectroscopy to studies of electric field gradients in high-temperature superconductors. Hyperfine Interactions, 1994, 93, 1635-1639.	0.5	0
106	Time-dependent absorption of gamma-radiation under high-frequency magnetic excitation of 57Fe. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1996, 18, 385-388.	0.4	0
107	Charge ordering that only succeeds after nature's second attempt. Acta Crystallographica Section A: Foundations and Advances, 2002, 58, c339-c339.	0.3	0
108	Valence State of Iron in the Sr2Fe(Mo,W,Ta)O6.0 Double-Perovskite System: An Fe K-Edge and L2,3-Edge XANES Study.. ChemInform, 2004, 35, no.	0.0	0

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109	Simple and Efficient Route to Prepare Homogeneous Samples of Sr2FeMoO6 with a High Degree of Fe/Mo Order.. ChemInform, 2005, 36, no.	0.0	0
110	A 57 Fe MÃ¶ssbauer study on the FeSe and Fe(Se,Te) superconductors: discontinuities in the hyperfine parameters at T c. , 2011, , 713-716.		0
111	Magnetic safety matches. European Journal of Physics, 2017, 38, 045503.	0.6	0
112	Effect of Blocking and Superconducting Layer Doping on the Superconductivity and Magnetic Properties of Polycrystalline Sr2CaCu2O6. Journal of Superconductivity and Novel Magnetism, 2018, 31, 2711-2717.	1.8	0
113	Using the terminal velocity for determining the size of minute gas bubbles in water. Physics Education, 2018, 53, 063005.	0.5	0
114	10.1119/10.0002362.1. , 2021, , .		0
115	Exploring the Verwey-Type Transition in GdBaFe2O5+w Using 57Fe MÃ¶ssbauer Spectroscopy. , 2004, , 321-325.		0
116	Evidence of magnetic broadening in MÃ¶ssbauer spectra of superconducting FeTe 0.8 S 0.2. , 2012, , 109-115.		0
117	Mechanical resonance in the rear wheels of a shopping trolley. European Journal of Physics, 2020, 42, 015010.	0.6	0
118	Spontaneously expanding and shrinking soap bubbles. Physics Education, 2022, 57, 035014.	0.5	0