Michael W Lufaso

List of Publications by Year
in descending order

54	2,751	236925 25	182427 51
papers	citations	h-index	g-index

63	63	63	3125
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Negative and positive thermal expansion-like volume changes due to intermetallic charge transfer based on an ionic crystal model of transition-metal oxides. APL Materials, 2018, 6, .	5.1	9
2	Ba-doping effects on structural, magnetic and vibrational properties of disordered La2NiMnO6. Journal of Alloys and Compounds, 2016, 663, 899-905.	5.5	33
3	Ionic conductivity of directionally solidified zirconiaâ€“mullite eutectics. Solid State Ionics, 2014, 256, 45-51.	2.7	5
4	Orderâ€“Disorder Transition Involving the A-Site Cations in Ln³⁺Mn₃V₄O₁₂ Perovskites. Inorganic Chemistry, 2014, 53, 594-599.	4.0	18
5	Light-Induced Changes in Magnetism in a Coordination Polymer Heterostructure, Rb_{0.24}Co[Fe(CN)₆]_{0.74}@K_{0.10}Co[Cr(CN)₆]_{0.70}Â·n and the Role of the Shell Thickness on the Properties of Both Core and Shell. Journal of the American Chemical Society, 2014, 136, 15660-15669.	13.7	86
6	Electron diffraction study of the sillenites Bi12SiO20, Bi25FeO39 and Bi25InO39: Evidence of short-range ordering of oxygen-vacancies in the trivalent sillenites. AIP Advances, 2014, 4, 087125.	1.3	11
7	Temperature-dependent Raman spectra of Bi2Sn2O7 ceramics. Vibrational Spectroscopy, 2013, 64, 172-177.	2.2	24
8	Room-temperature vibrational properties of the BiMn2O5 mullite. Vibrational Spectroscopy, 2013, 66, 43-49.	2.2	11
9	Using Bond Valences to Model the Structures of Ternary and Quaternary Oxides. Structure and Bonding, 2013, , 59-90.	1.0	12
10	Spin-phonon coupling in Gd(Co1/2Mn1/2)O3 perovskite. Journal of Applied Physics, 2013, 114, .	2.5	27
11	New pressure induced phase transitions in mullite-type Bi₂(Fe₄ _{â€“}) Tj ETQq1 1 0.784314 rgB oxides. International Journal of Materials Research, 2012, 103, 464-468.	0.3	1
12	Raman spectroscopy evidence of inhomogeneous disorder in the bismuth-oxygen framework of Bi<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>25</mml:mn></mml:msub></mml:math>InO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>39</mml:mn></mml:msub></mml:math>and other sillenites. Physical Review B, 2012, 86, .	3.2	13
13	Optical phonon features in ferroelectric Bi3Fe1/2Nb3/2O9. Vibrational Spectroscopy, 2012, 63, 409-417.	2.2	4
14	Ionic conductivity in Bi2Sn2O7 ceramics. Ceramics International, 2012, 38, 1275-1279.	4.8	7
15	Relaxations in Ba2BiTaO6 ceramics investigated by impedance and electric modulus spectroscopies. Materials Research Bulletin, 2012, 47, 878-882.	5.2	6
16	Mixed crystal formation and structural studies in the mullite-type system Bi2Fe4O9â€“Bi2Mn4O10. Journal of Solid State Chemistry, 2012, 185, 62-71.	2.9	20
17	Ba4KFe3O9: A Novel Ferrite Containing Discrete 6-Membered Rings of Corner-Sharing FeO4Tetrahedra. Inorganic Chemistry, 2011, 50, 10310-10318.	4.0	10
18	Temperatureâ€dependent Raman spectra of Ba₂BiSbO₆ ceramics. Journal of Raman Spectroscopy, 2009, 40, 1205-1210.	2.5	31

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19	Synthesis, structure, magnetic properties and structural distortion under high pressure of a new osmate, Sr2CuOsO6. Journal of Solid State Chemistry, 2008, 181, 623-627.	2.9	27
20	Report from the third workshop on future directions of solid-state chemistry: The status of solid-state chemistry and its impact in the physical sciences. Progress in Solid State Chemistry, 2008, 36, 1-133.	7.2	58
21	Relaxations in Ba2BiSbO6 double complex perovskite ceramics. Journal of Applied Physics, 2008, 104, .	2.5	26
22	Pressure- and temperature-dependent X-ray diffraction studies of NdCrO3. Journal of Alloys and Compounds, 2007, 433, 91-96.	5.5	15
23	Crystal structure, magnetic, and dielectric properties of Aurivillius-type Bi3Fe0.5Nb1.5O9. Journal of Solid State Chemistry, 2007, 180, 2655-2660.	2.9	7
24	Pressure induced octahedral tilting distortion in Ba2YTaO6. Chemical Communications, 2006, , 168-170.	4.1	24
25	Structural studies of Sr2GaSbO6, Sr2NiMoO6, and Sr2FeNbO6using pressure and temperature. Journal of Physics Condensed Matter, 2006, 18, 8761-8780.	1.8	40
26	Local Structures and Raman Spectra in the Ca(Zr,Ti)O3Perovskite Solid Solutions. Chemistry of Materials, 2006, 18, 854-860.	6.7	42
27	Absorption Properties of a Porous Organic Crystalline Apohost Formed by a Self-Assembled Bis-Urea Macrocycle. Chemistry of Materials, 2006, 18, 4855-4864.	6.7	96
28	Structure determination of A 2 M 3+TaO6 and A 2 M 3+NbO6 ordered perovskites: octahedral tilting and pseudosymmetry. Acta Crystallographica Section B: Structural Science, 2006, 62, 384-396.	1.8	116
29	Structure prediction of ordered and disordered multiple octahedral cation perovskites using SPuDS. Acta Crystallographica Section B: Structural Science, 2006, 62, 397-410.	1.8	166
30	Pressure-induced phase transition and octahedral tilt system change of Ba2BiSbO6. Journal of Solid State Chemistry, 2006, 179, 917-922.	2.9	20
31	Subsolidus phase equilibria and properties in the system Bi2O3:Mn2O3Â±x:Nb2O5. Journal of Solid State Chemistry, 2006, 179, 3467-3477.	2.9	83
32	Compression mechanisms of symmetric and Jahnâ€“Teller distorted octahedra in double perovskites: A2CuWO6 (A=Sr, Ba), Sr2CoMoO6, and La2LiRuO6. Journal of Solid State Chemistry, 2006, 179, 3556-3561.	2.9	19
33	Phase formation, crystal chemistry, and properties in the system Bi2O3â€“Fe2O3â€“Nb2O5. Journal of Solid State Chemistry, 2006, 179, 3900-3910.	2.9	123
34	The synthesis, spectroscopic, electrochemical and X-ray diffraction characterization of novel bridged ferrocene precursors for use in self-assembled monolayers. Journal of Organometallic Chemistry, 2006, 691, 680-686.	1.8	3
35	Continuous phase transition in Ba3BiRuIrO9. Solid State Sciences, 2006, 8, 1051-1055.	3.2	3
36	Phase Formation and Properties in the System Bi2O3:2CoO1+x:Nb2O5. European Journal of Inorganic Chemistry, 2006, 2006, 4908-4914.	2.0	70

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37	The effects of small metal additions (Co,Cu,Ga,Mn,Al,Bi,Sn) on the magnetocaloric properties of the Gd5Ge2Si2 alloy. Journal of Applied Physics, 2006, 99, 08K908.	2.5	56
38	An Unexpected Crystal-Chemical Principle for the Pyrochlore Structure. European Journal of Inorganic Chemistry, 2005, 2005, 2895-2901.	2.0	113
39	Crystal Chemistry and Microwave Dielectric Properties of Ba3MNb2-xSbxO9 (M: Mg, Ni, Zn).. ChemInform, 2005, 36, no.	0.0	0
40	1,12-Diferrocenyldodecane at 100â€…K. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, m1070-m1072.	0.2	1
41	Crystal Structures and Magnetic Properties of Mixed Iridiumâ^'Ruthenium Triple Perovskites. 2. Ba3MRuIrO9(M = Li, Na, Mg, Ni, Zn, Bi, In). Inorganic Chemistry, 2005, 44, 9154-9161.	4.0	21
42	Crystal Structures and Magnetic Properties of Mixed Iridiumâ^'Ruthenium Triple Perovskites. 1. Ba3MRuIrO9(M = Lanthanide, Y). Inorganic Chemistry, 2005, 44, 9143-9153.	4.0	26
43	Crystal Chemistry and Microwave Dielectric Properties of Ba3MNb2-xSbxO9(M = Mg, Ni, Zn). Chemistry of Materials, 2005, 17, 4250-4255.	6.7	41
44	Jahnâ€“Teller distortions, cation ordering and octahedral tilting in perovskites. Acta Crystallographica Section B: Structural Science, 2004, 60, 10-20.	1.8	267
45	Crystal Structures, Modeling, and Dielectric Property Relationships of 2:1 Ordered Ba3MMâ€²2O9 (M: Mg,) Tj ETQq1 1 0.784314 rgB	0.0	0
46	Crystal Structures, Modeling, and Dielectric Property Relationships of 2:1 Ordered Ba3MMâ€˜2O9(M =) Tj ETQq0 0 0 rgBT /Overlock 10	6.7	189
47	Crystal structures of disordered A2Mn3+M5+O6 (A=Sr, Ca; M=Sb, Nb, Ru) perovskites. Journal of Solid State Chemistry, 2004, 177, 1651-1659.	2.9	49
48	High-Pressure Synthesis and Characterization of Perovskites with Simultaneous Ordering of Both the A- and B-Site Cations, CaCu3Ga2M2O12 (M: Sb, Ta).. ChemInform, 2003, 34, no.	0.0	0
49	High-Pressure Synthesis and Characterization of Perovskites with Simultaneous Ordering of Both the A- and B-Site Cations, CaCu3Ga2M2O12(M = Sb, Ta). Chemistry of Materials, 2003, 15, 3798-3804.	6.7	52
50	Prediction of the crystal structures of perovskites using the software program SPuDS. Acta Crystallographica Section B: Structural Science, 2001, 57, 725-738.	1.8	603
51	Nitration of cyclopentenecarboxaldehyde: Studies toward 1-amino-2-nitrocyclopentanecarboxylic acid. Tetrahedron Letters, 1998, 39, 6617-6620.	1.4	21
52	Effects of complex formation on reactions of oxygen with HCl and Arâ€“HCl. Chemical Physics, 1998, 239, 187-197.	1.9	3
53	Multiply Charged Redox-Active Oligomers in the Gas Phase:Â Electrolytic Electrospray Ionization Mass Spectrometry of Metallocenes. Journal of Physical Chemistry B, 1998, 102, 10078-10086.	2.6	28
54	Reactions of oxygen atoms with van der Waals complexes: The effect of complex formation on the internal energy distribution in the products. Journal of Chemical Physics, 1998, 108, 9651-9657.	3.0	15