

# Michael W Lufaso

## List of Publications by Year in descending order

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54  
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2,751  
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236925

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docs citations

63  
times ranked

3125  
citing authors



#	ARTICLE	IF	CITATIONS
19	Ba-doping effects on structural, magnetic and vibrational properties of disordered La <sub>2</sub> NiMnO <sub>6</sub> . Journal of Alloys and Compounds, 2016, 663, 899-905.	5.5	33
20	Temperature-dependent Raman spectra of Ba <sub>2</sub> BiSbO <sub>6</sub> ceramics. Journal of Raman Spectroscopy, 2009, 40, 1205-1210.	2.5	31
21	Multiply Charged Redox-Active Oligomers in the Gas Phase: An Electrolytic Electrospray Ionization Mass Spectrometry of Metallocenes. Journal of Physical Chemistry B, 1998, 102, 10078-10086.	2.6	28
22	Synthesis, structure, magnetic properties and structural distortion under high pressure of a new osmate, Sr <sub>2</sub> CuOsO <sub>6</sub> . Journal of Solid State Chemistry, 2008, 181, 623-627.	2.9	27
23	Spin-phonon coupling in Gd(Co <sub>1/2</sub> Mn <sub>1/2</sub> )O <sub>3</sub> perovskite. Journal of Applied Physics, 2013, 114, .	2.5	27
24	Crystal Structures and Magnetic Properties of Mixed Iridium-Ruthenium Triple Perovskites. 1. Ba <sub>3</sub> MRu <sub>2</sub> O <sub>9</sub> (M = Lanthanide, Y). Inorganic Chemistry, 2005, 44, 9143-9153.	4.0	26
25	Relaxations in Ba <sub>2</sub> BiSbO <sub>6</sub> double complex perovskite ceramics. Journal of Applied Physics, 2008, 104, .	2.5	26
26	Pressure induced octahedral tilting distortion in Ba <sub>2</sub> YTaO <sub>6</sub> . Chemical Communications, 2006, , 168-170.	4.1	24
27	Temperature-dependent Raman spectra of Bi <sub>2</sub> Sn <sub>2</sub> O <sub>7</sub> ceramics. Vibrational Spectroscopy, 2013, 64, 172-177.	2.2	24
28	Nitration of cyclopentenecarboxaldehyde: Studies toward 1-amino-2-nitrocyclopentanecarboxylic acid. Tetrahedron Letters, 1998, 39, 6617-6620.	1.4	21
29	Crystal Structures and Magnetic Properties of Mixed Iridium-Ruthenium Triple Perovskites. 2. Ba <sub>3</sub> MRu <sub>2</sub> O <sub>9</sub> (M = Li, Na, Mg, Ni, Zn, Bi, In). Inorganic Chemistry, 2005, 44, 9154-9161.	4.0	21
30	Pressure-induced phase transition and octahedral tilt system change of Ba <sub>2</sub> BiSbO <sub>6</sub> . Journal of Solid State Chemistry, 2006, 179, 917-922.	2.9	20
31	Mixed crystal formation and structural studies in the mullite-type system Bi <sub>2</sub> Fe <sub>4</sub> O <sub>9</sub> Bi <sub>2</sub> Mn <sub>4</sub> O <sub>10</sub> . Journal of Solid State Chemistry, 2012, 185, 62-71.	2.9	20
32	Compression mechanisms of symmetric and Jahn-Teller distorted octahedra in double perovskites: A <sub>2</sub> CuWO <sub>6</sub> (A=Sr, Ba), Sr <sub>2</sub> CoMoO <sub>6</sub> , and La <sub>2</sub> LiRuO <sub>6</sub> . Journal of Solid State Chemistry, 2006, 179, 3556-3561.	2.9	19
33	Order-Disorder Transition Involving the A-Site Cations in Ln <sup>3+</sup> Mn <sub>3</sub> V <sub>4</sub> O <sub>12</sub> Perovskites. Inorganic Chemistry, 2014, 53, 594-599.	4.0	18
34	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
35	Pressure- and temperature-dependent X-ray diffraction studies of NdCrO <sub>3</sub> . Journal of Alloys and Compounds, 2007, 433, 91-96.	5.5	15
36	Raman spectroscopy evidence of inhomogeneous disorder in the bismuth-oxygen framework of Bi <sub>2</sub> Ln <sub>2</sub> O <sub>10</sub> and other sillenites. Physical Review B, 2012, 86, .	3.2	13

#	ARTICLE	IF	CITATIONS
37	Using Bond Valences to Model the Structures of Ternary and Quaternary Oxides. Structure and Bonding, 2013, , 59-90.	1.0	12
38	Room-temperature vibrational properties of the BiMn <sub>2</sub> O <sub>5</sub> mullite. Vibrational Spectroscopy, 2013, 66, 43-49.	2.2	11
39	Electron diffraction study of the sillenites Bi <sub>12</sub> SiO <sub>20</sub> , Bi <sub>25</sub> FeO <sub>39</sub> and Bi <sub>25</sub> InO <sub>39</sub> : Evidence of short-range ordering of oxygen-vacancies in the trivalent sillenites. AIP Advances, 2014, 4, 087125.	1.3	11
40	Ba <sub>4</sub> KFe <sub>3</sub> O <sub>9</sub> : A Novel Ferrite Containing Discrete 6-Membered Rings of Corner-Sharing FeO <sub>4</sub> Tetrahedra. Inorganic Chemistry, 2011, 50, 10310-10318.	4.0	10
41	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
42	Crystal structure, magnetic, and dielectric properties of Aurivillius-type Bi <sub>3</sub> Fe <sub>0.5</sub> Nb <sub>1.5</sub> O <sub>9</sub> . Journal of Solid State Chemistry, 2007, 180, 2655-2660.	2.9	7
43	Ionic conductivity in Bi <sub>2</sub> Sn <sub>2</sub> O <sub>7</sub> ceramics. Ceramics International, 2012, 38, 1275-1279.	4.8	7
44	Relaxations in Ba <sub>2</sub> BiTaO <sub>6</sub> ceramics investigated by impedance and electric modulus spectroscopies. Materials Research Bulletin, 2012, 47, 878-882.	5.2	6
45	Ionic conductivity of directionally solidified zirconia-mullite eutectics. Solid State Ionics, 2014, 256, 45-51.	2.7	5
46	Optical phonon features in ferroelectric Bi <sub>3</sub> Fe <sub>1/2</sub> Nb <sub>3/2</sub> O <sub>9</sub> . Vibrational Spectroscopy, 2012, 63, 409-417.	2.2	4
47	Effects of complex formation on reactions of oxygen with HCl and Ar-HCl. Chemical Physics, 1998, 239, 187-197.	1.9	3
48	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
49	Continuous phase transition in Ba <sub>3</sub> BiRuO <sub>9</sub> . Solid State Sciences, 2006, 8, 1051-1055.	3.2	3
50	1,12-Diferrocenyldodecane at 100 K. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, m1070-m1072.	0.2	1
51	New pressure induced phase transitions in mullite-type Bi <sub>2</sub> (Fe <sub>4</sub> ) <sub>2</sub> oxides. International Journal of Materials Research, 2012, 103, 464-468.	0.3	1
52	High-Pressure Synthesis and Characterization of Perovskites with Simultaneous Ordering of Both the A- and B-Site Cations, CaCu <sub>3</sub> Ga <sub>2</sub> M <sub>2</sub> O <sub>12</sub> (M: Sb, Ta).. ChemInform, 2003, 34, no.	0.0	0
53	Crystal Structures, Modeling, and Dielectric Property Relationships of 2:1 Ordered Ba <sub>3</sub> MM <sub>2</sub> O <sub>9</sub> (M: Mg, Ni, Zn).. ChemInform, 2005, 36, no.	0.0	0
54	Crystal Chemistry and Microwave Dielectric Properties of Ba <sub>3</sub> MNb <sub>2-x</sub> Sb <sub>x</sub> O <sub>9</sub> (M: Mg, Ni, Zn).. ChemInform, 2005, 36, no.	0.0	0