

# Michael F C Pollet

## List of Publications by Year in descending order

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52  
papers

1,361  
citations

304743

22  
h-index

345221

36  
g-index

61  
all docs

61  
docs citations

61  
times ranked

2249  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal properties of TiNiSn and VFeSb half-Heusler thermoelectrics from synchrotron x-ray powder diffraction. <i>JPhys Energy</i> , 2021, 3, 035001.	5.3	6
2	Phononâ€“Glass and Heterogeneous Electrical Transport in A-Site-Deficient SrTiO <sub>3</sub> . <i>Journal of Physical Chemistry C</i> , 2019, 123, 5198-5208.	3.1	17
3	Grain-by-Grain Compositional Variations and Interstitial Metalsâ€“A New Route toward Achieving High Performance in Half-Heusler Thermoelectrics. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 4786-4793.	8.0	39
4	Presence of Peierls pairing and absence of insulator-to-metal transition in VO <sub>2</sub> (A): a structureâ€“property relationship study. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 6601-6609.	2.8	11
5	Evidence for hard and soft substructures in thermoelectric SnSe. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	29
6	Large thermoelectric power factors and impact of texturing on the thermal conductivity in polycrystalline SnSe. <i>Journal of Materials Chemistry C</i> , 2016, 4, 1685-1691.	5.5	94
7	Invited Article: A round robin test of the uncertainty on the measurement of the thermoelectric dimensionless figure of merit of Co <sub>0.97</sub> Ni <sub>0.03</sub> Sb <sub>3</sub> . <i>Review of Scientific Instruments</i> , 2015, 86, 011301.	1.3	92
8	Thermoelectric properties of Fe and Al double substituted MnSi ( $\hat{\Gamma}$ <sub>3</sub> ~1.73). <i>Journal of Solid State Chemistry</i> , 2015, 227, 55-59.	2.9	30
9	Structurally Restricted Phase Transitions in VO <sub>2</sub> (B) and Their Impact on Transport Properties. <i>Journal of Physical Chemistry C</i> , 2015, 119, 25085-25092.	3.1	16
10	VO <sub>2</sub> (A): Reinvestigation of crystal structure, phase transition and crystal growth mechanisms. <i>Journal of Solid State Chemistry</i> , 2014, 213, 79-86.	2.9	60
11	Glass-like thermal conductivity in SrTiO <sub>3</sub> thermoelectrics induced by A-site vacancies. <i>RSC Advances</i> , 2014, 4, 33720-33723.	3.6	89
12	Oxygen reduction reaction of PrBaCo <sub>2</sub> âˆ™xFe <sub>x</sub> O <sub>5</sub> +Î” compounds as H <sub>2</sub> -SOFC cathodes: correlation with physical properties. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3594.	10.3	52
13	Synthesis of lithium cobalt oxide by single-step soft hydrothermal method. <i>Journal of Solid State Chemistry</i> , 2013, 198, 45-49.	2.9	13
14	Rapid Hydrothermal Synthesis of VO <sub>2</sub> (B) and Its Conversion to Thermochromic VO <sub>2</sub> (M1). <i>Inorganic Chemistry</i> , 2013, 52, 4780-4785.	4.0	117
15	Spin State Diagrams of 3d <sup>n</sup> Cations in Tetragonally Distorted Octahedral Sites. <i>Journal of Physical Chemistry A</i> , 2013, 117, 6536-6547.	2.5	2
16	First Experimental Evidence of a New D <sub>4</sub> -AgCoO <sub>2</sub> Delafossite Stacking. <i>Inorganic Chemistry</i> , 2011, 50, 4529-4536.	4.0	15
17	(Li/Ag)CoO <sub>2</sub> : A New Intergrowth Cobalt Oxide Composed of Rock Salt and Delafossite Layers. <i>Inorganic Chemistry</i> , 2011, 50, 6649-6655.	4.0	17
18	Reinvestigation of the OP <sub>4</sub> -(Li/Na)CoO <sub>2</sub> -Layered System and First Evidence of the (Li/Na/Na)CoO <sub>2</sub> Phase with OPP <sub>9</sub> Oxygen Stacking. <i>Inorganic Chemistry</i> , 2011, 50, 2420-2430.	4.0	29



#	ARTICLE	IF	CITATIONS
37	Structural features and transport properties of iodine intercalated misfit layer [BiCaO/sub 2/]/sub 2/[CoO/sub 2/]/sub 1.69/ single crystals. , 2005, , .		0
38	Copper electrodes multilayer ceramic capacitors Part I The dielectric composition. Journal of Materials Science, 2004, 39, 1943-1958.	3.7	13
39	Copper electrodes multilayer ceramic capacitors Part II Chips fabrication, optimisation and characterisation. Journal of Materials Science, 2004, 39, 1959-1966.	3.7	4
40	Non-linear electrical response in a charge/orbital ordered Pr <sub>0.63</sub> Ca <sub>0.37</sub> MnO <sub>3</sub> crystal: the charge density wave scenario. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 388-389.	2.3	4
41	CaZrO <sub>3</sub> , a Ni-co-sinterable dielectric material for base metal-multilayer ceramic capacitor applications. Journal of the European Ceramic Society, 2004, 24, 119-127.	5.7	39
42	Vibrational spectroscopy study of the lattice defects in CaZrO <sub>3</sub> ceramics. Journal of the European Ceramic Society, 2004, 24, 1805-1809.	5.7	22
43	Lowering of Ba <sub>1/3</sub> B <sub>2/3</sub> O <sub>3</sub> complex perovskite sintering temperature by lithium salt additions. Journal of the European Ceramic Society, 2004, 24, 1019-1023.	5.7	23
44	Anomaly in the dielectric response at the charge-orbital-ordering transition of Pr <sub>0.67</sub> Ca <sub>0.33</sub> MnO <sub>3</sub> . Physical Review B, 2004, 69, .	3.2	65
45	Title is missing!. Journal of Materials Science, 2003, 38, 4027-4032.	3.7	5
46	Lowering of CaZrO <sub>3</sub> sintering temperature using lithium calcium fluoride flux addition. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 362, 167-173.	5.6	11
47	Vibrational spectroscopy study of doped-CaZrO <sub>3</sub> ceramics. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2003, 104, 169-175.	3.5	1
48	Low temperature sintering of B <sub>2</sub> O <sub>3</sub> /LiNO <sub>3</sub> added BaMg <sub>1/3</sub> Ta <sub>2/3</sub> O <sub>3</sub> ceramics. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2003, 104, 58-62.	3.5	12
49	Low temperature sintering of CaZrO <sub>3</sub> using lithium fluoride addition. Journal of the European Ceramic Society, 2003, 23, 1925-1933.	5.7	33
50	Nonlinear electrical response in a charge/orbital ordered Pr <sub>0.63</sub> Ca <sub>0.37</sub> MnO <sub>3</sub> crystal: The charge density wave analogy. Physical Review B, 2003, 68, .	3.2	24
51	Sintering of CaZrO <sub>3</sub> -based ceramic using mixed conventional and microwave heating. Journal of Materials Science: Materials in Electronics, 2002, 13, 149-155.	2.2	15
52	Transition Metal Oxides for Thermoelectric Generation. Ceramic Engineering and Science Proceedings, 0, , 25-40.	0.1	0