

Dean Keeble

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,566
citations

361296

20
h-index

302012

39
g-index

51
all docs

51
docs citations

51
times ranked

2283
citing authors

#	ARTICLE	IF	CITATIONS
1	Revised structural phase diagram of (Ba _{0.7} Ca _{0.3} TiO ₃)-(BaZr _{0.2} Ti _{0.8} O ₃). Applied Physics Letters, 2013, 102, .	1.5	319
2	The missing boundary in the phase diagram of PbZr _{1-x} Ti _x O ₃ . Nature Communications, 2014, 5, 5231.	5.8	234
3	Bifurcated Polarization Rotation in Bismuth-Based Piezoelectrics. Advanced Functional Materials, 2013, 23, 185-190.	7.8	150
4	Halogenated Metal-Organic Framework Glasses and Liquids. Journal of the American Chemical Society, 2020, 142, 3880-3890.	6.6	83
5	High-resolution x-ray diffraction study of single crystals of lead zirconate titanate. Physical Review B, 2011, 84, .	1.1	58
6	Structural and magnetic investigations of single-crystalline neodymium zirconate pyrochlore Nd_2O_7 . Physical Review B, 2015, 91, .	1.2	47
7	Investigating the melting behaviour of polymorphic zeolitic imidazolate frameworks. CrystEngComm, 2020, 22, 3627-3637.	1.3	37
8	Leakage and Proton Conductivity in the Predicted Ferroelectric CsBiNb ₂ O ₇ . Chemistry of Materials, 2009, 21, 1296-1302.	3.2	35
9	Nanoscale Polar Heterogeneities and Branching Bi-Displacement Directions in $\text{K}_{0.5}\text{Bi}_{0.5}\text{TiO}_3$. Chemistry of Materials, 2019, 31, 2450-2458.	3.2	31
10	Resolving the Nanoscale Morphology and Crystallographic Structure of Molecular Thin Films: F_{16}CuPc on Graphene Oxide. Chemistry of Materials, 2012, 24, 1365-1370.	3.2	30
11	Growth of LiNb _{1-x} Ta _x O ₃ solid solution crystals. Materials Chemistry and Physics, 2012, 134, 728-735.	2.0	28
12	Post-Synthetic Modification of a Metal-Organic Framework Glass. Chemistry of Materials, 2022, 34, 2187-2196.	3.2	27
13	Investigation of the depolarisation transition in Bi-based relaxor ferroelectrics. Journal of Applied Physics, 2014, 115, .	1.1	25
14	Controlling templating effects at the organic/inorganic interface using (111) oriented copper iodide. Journal of Materials Chemistry C, 2014, 2, 6056-6060.	2.7	25
15	Simultaneous detection of acoustic emission and Barkhausen noise during the martensitic transition of a Ni-Mn-Ga magnetic shape-memory alloy. Physical Review B, 2013, 88, .	1.1	24
16	Topology and temperature dependence of the diffuse X-ray scattering in $\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3$ ferroelectric single crystals. Journal of Applied Crystallography, 2015, 48, 1543-1550.	1.9	24
17	Exploring high temperature templating in non-planar phthalocyanine/copper iodide (111) bilayers. Journal of Materials Chemistry C, 2015, 3, 461-465.	2.7	23
18	Stepwise collapse of a giant pore metal-organic framework. Dalton Transactions, 2021, 50, 5011-5022.	1.6	23

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19	Laser-heating system for high-pressure X-ray diffraction at the Extreme Conditions beamline I15 at Diamond Light Source. <i>Journal of Synchrotron Radiation</i> , 2018, 25, 1860-1868.	1.0	21
20	A new route to porous metal-organic framework crystal-glass composites. <i>Chemical Science</i> , 2020, 11, 9910-9918.	3.7	21
21	On the tetragonality of the room-temperature ferroelectric phase of barium titanate, BaTiO ₃ . <i>Journal of Applied Crystallography</i> , 2009, 42, 480-484.	1.9	20
22	Fast <i>in operando</i> X-ray pair distribution function using the DRIX electrochemical cell. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 1190-1199.	1.0	20
23	Displacive Order-Disorder Behavior and Intrinsic Clustering of Lattice Distortions in Bi-Substituted NaNbO ₃ . <i>Advanced Functional Materials</i> , 2020, 30, 2001840.	7.8	19
24	Transverse field muon-spin rotation signature of the skyrmion-lattice phase in $\text{CuMn}_2\text{P}_2\text{O}_{14}$. <i>Physical Review B</i> , 2015, 91, .	1.2	18
25	Optical crystallographic study of piezoelectric $\text{KxNa}_{1-x}\text{NbO}_3$ ($x = 0.4, 0.5$ and 0.6) single crystals using linear birefringence. <i>CrystEngComm</i> , 2013, 15, 6790.	1.3	17
26	X-ray total scattering study of magic-size clusters and quantum dots of cadmium sulphide. <i>Nanoscale</i> , 2019, 11, 21900-21908.	2.8	17
27	Direct solid state NMR observation of the ¹⁰⁵ Pd nucleus in inorganic compounds and palladium metal systems. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 26734-26743.	1.3	16
28	1 m long multilayer-coated deformable piezoelectric bimorph mirror for adjustable focusing of high-energy X-rays. <i>Optics Express</i> , 2019, 27, 16121.	1.7	16
29	Glassy behaviour of mechanically amorphised ZIF-62 isomorphs. <i>Chemical Communications</i> , 2021, 57, 9272-9275.	2.2	15
30	Splitting of the transition to the antiferroelectric state in $\text{PbZr}_{0.95}\text{Ti}_{0.05}\text{O}_7$. <i>Journal of Applied Crystallography</i> , 2010, 43, 1305-1313.	1.1	14
31	Structural and magnetic properties of single-crystals of the geometrically frustrated zirconium pyrochlore, $\text{Pr}_2\text{Zr}_2\text{O}_7$. <i>Materials Research Express</i> , 2014, 1, 026109.	0.8	14
32	Observation of unusual temperature-dependent stripes in LiTaO_3 and $\text{LiTa}_{1-x}\text{Nb}_x\text{O}_3$ crystals with near-zero birefringence. <i>Journal of Applied Crystallography</i> , 2010, 43, 1305-1313.	1.9	13
33	Relationship between the structure and optical properties of lithium tantalate at the zero-birefringence point. <i>Journal of Applied Physics</i> , 2017, 121, .	1.1	12
34	The HXD95: a modified Bassett-type hydrothermal diamond-anvil cell for <i>in situ</i> XRD experiments up to 5 GPa and 1300 K. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 529-537.	1.0	12
35	Crystallographic and optical study of LiNbO_3 and LiTaO_3 crystals with near-zero birefringence. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2017, 73, 498-506.	0.5	11
36	LiTaO_3 crystals with near-zero birefringence. <i>Journal of Applied Crystallography</i> , 2012, 45, 1030-1037.	1.9	10

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37	Structural Templating in a Nonplanar Phthalocyanine Using Single Crystal Copper Iodide. <i>Advanced Materials Interfaces</i> , 2015, 2, 1400540.	1.9	9
38	Investigation by coherent X-ray section topography of ferroelectric domain behaviour as a function of temperature in periodically poled Rb:KTP. <i>Journal of Applied Crystallography</i> , 2011, 44, 462-466.	1.9	8
39	Structural features of selected protic ionic liquids based on a super-strong base. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 25369-25378.	1.3	6
40	First-Order Reorientation Transition of the Flux-Line Lattice in CaAlSi. <i>Physical Review Letters</i> , 2012, 108, 077001.	2.9	5
41	Three-energy focusing Laue monochromator for the diamond light source x-ray pair distribution function beamline I15-1. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	5
42	Neutron and X-ray total scattering study of hydrogen disorder in fully hydrated hydrogrossular, Ca ₃ Al ₂ (O ₄ H ₄) ₃ . <i>Physics and Chemistry of Minerals</i> , 2018, 45, 333-342.	0.3	5
43	Breaking with the Principles of Coreduction to Form Stoichiometric Intermetallic PdCu Nanoparticles. <i>Small Methods</i> , 2022, 6, e2200420.	4.6	5
44	An investigation of the properties of large crystals of the zeolites dodecasil-3C and ferrierite by high-temperature birefringence microscopy and X-ray diffraction. <i>Journal of Applied Crystallography</i> , 2010, 43, 168-175. expansion in one-dimensional transition metal cyanides: Behavior of the trimetallic cyanide	1.9	3
45	$C_{u_{1/2}Au_{1/2}}CN$	1.1	3
46	New insights into the application of pair distribution function studies to biogenic and synthetic hydroxyapatites. <i>Scientific Reports</i> , 2020, 10, 19597.	1.6	3
47	Piezoelectric Materials: Bifurcated Polarization Rotation in Bismuth-Based Piezoelectrics (<i>Adv. Funct. Mater.</i>)	7.8	1
48	A novel, 1-µm long multilayer-coated piezo deformable bimorph mirror for focusing high-energy x-rays. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	1
49	Intra- and Interchain Interactions in $(Cu_{1/2}Au_{1/2})CN$, $(Ag_{1/2}Au_{1/2})CN$, and $(Cu_{1/3}Ag_{1/3}Au_{1/3})CN$ and Their Effect on One-, Two-, and Three-Dimensional Order. <i>Inorganic Chemistry</i> , 2020, 59, 11704-11714.	1.9	1
50	Investigating pair distribution function use in analysis of nanocrystalline hydroxyapatite and carbonate-substituted hydroxyapatite. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2022, 78, 271-279.	0.2	1