

# 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	Post-Synthetic Modification of a Metal-Organic Framework Glass. <i>Chemistry of Materials</i> , 2022, 34, 2187-2196.	3.2	27
2	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
3	Breaking with the Principles of Coreduction to Form Stoichiometric Intermetallic PdCu Nanoparticles. <i>Small Methods</i> , 2022, 6, e2200420.	4.6	5
4	Glassy behaviour of mechanically amorphised ZIF-62 isomorphs. <i>Chemical Communications</i> , 2021, 57, 9272-9275.	2.2	15
5	Stepwise collapse of a giant pore metal-organic framework. <i>Dalton Transactions</i> , 2021, 50, 5011-5022.	1.6	23
6	Intra- and Interchain Interactions in $(\text{Cu}_{1/2}\text{Au}_{1/2})\text{CN}$ , $(\text{Ag}_{1/2}\text{Au}_{1/2})\text{CN}$ , and $(\text{Cu}_{1/3}\text{Ag}_{1/3}\text{Au}_{1/3})\text{CN}$ and Their Effect on One-, Two-, and Three-Dimensional Order. <i>Inorganic Chemistry</i> , 2020, 59, 11704-11714.	1.9	1
7	A new route to porous metal-organic framework crystal-glass composites. <i>Chemical Science</i> , 2020, 11, 9910-9918.	3.7	21
8	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
9	Investigating the melting behaviour of polymorphic zeolitic imidazolate frameworks. <i>CrystEngComm</i> , 2020, 22, 3627-3637.	1.3	37
10	Displacive Order-Disorder Behavior and Intrinsic Clustering of Lattice Distortions in Bi-Substituted $\text{NaNbO}_3$ . <i>Advanced Functional Materials</i> , 2020, 30, 2001840.	7.8	19
11	Halogenated Metal-Organic Framework Glasses and Liquids. <i>Journal of the American Chemical Society</i> , 2020, 142, 3880-3890.	6.6	83
12	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
13	Fast <i>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
14	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
15	Nanoscale Polar Heterogeneities and Branching Bi-Displacement Directions in $\text{K}_{0.5}\text{Bi}_{0.5}\text{TiO}_3$ . <i>Chemistry of Materials</i> , 2019, 31, 2450-2458.	3.2	31
16	A novel, 1.1 m long multilayer-coated piezo deformable bimorph mirror for focusing high-energy x-rays. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	1
17	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
18	Anomalous thermal expansion in one-dimensional transition metal cyanides: Behavior of the trimetallic cyanide $\text{C}_3\text{Ag}_3\text{g}$	1.1	3

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19	Structural features of selected protic ionic liquids based on a super-strong base. Physical Chemistry Chemical Physics, 2019, 21, 25369-25378.	1.3	6
20	Neutron and X-ray total scattering study of hydrogen disorder in fully hydrated hydrogrossular, Ca <sub>3</sub> Al <sub>2</sub> (OH) <sub>4</sub> . Physics and Chemistry of Minerals, 2018, 45, 333-342.	0.3	5
21	Direct solid state NMR observation of the <sup>105</sup> Pd nucleus in inorganic compounds and palladium metal systems. Physical Chemistry Chemical Physics, 2018, 20, 26734-26743.	1.3	16
22	Laser-heating system for high-pressure X-ray diffraction at the Extreme Conditions beamline I15 at Diamond Light Source. Journal of Synchrotron Radiation, 2018, 25, 1860-1868.	1.0	21
23	Relationship between the structure and optical properties of lithium tantalate at the zero-birefringence point. Journal of Applied Physics, 2017, 121, .	1.1	12
24	Crystallographic and optical study of LiNb <sub>3</sub> Ta <sub>3</sub> O <sub>3</sub> . Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 498-506.	0.5	11
25	Three-energy focusing Laue monochromator for the diamond light source x-ray pair distribution function beamline I15-1. AIP Conference Proceedings, 2016, , .	0.3	5
26	Transverse field muon-spin rotation signature of the skyrmion-lattice phase in Cu <sub>2</sub> Mn <sub>2</sub> O <sub>7</sub> . Physical Review B, 2015, 91, .	1.2	18
27	Exploring high temperature templating in non-planar phthalocyanine/copper iodide (111) bilayers. Journal of Materials Chemistry C, 2015, 3, 461-465.	2.7	23
28	Structural and magnetic investigations of single-crystalline neodymium zirconate pyrochlore Nd <sub>2</sub> O <sub>7</sub> . Physical Review B, 2015, 91, .	1.2	17
29	Topology and temperature dependence of the diffuse X-ray scattering in Na <sub>0.5</sub> Bi <sub>0.5</sub> Ti <sub>3</sub> ferroelectric single crystals. Journal of Applied Crystallography, 2015, 48, 1543-1550.	1.9	24
30	Structural Templating in a Nonplanar Phthalocyanine Using Single Crystal Copper Iodide. Advanced Materials Interfaces, 2015, 2, 1400540.	1.9	9
31	The missing boundary in the phase diagram of PbZr <sub>1-x</sub> Ti <sub>x</sub> O <sub>3</sub> . Nature Communications, 2014, 5, 5231.	5.8	234
32	Investigation of the depolarisation transition in Bi-based relaxor ferroelectrics. Journal of Applied Physics, 2014, 115, .	1.1	25
33	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
34	Structural and magnetic properties of single-crystals of the geometrically frustrated zirconium pyrochlore, Pr <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> . Materials Research Express, 2014, 1, 026109.	0.8	14
35	Spontaneous formation of skyrmions in a perovskite. Nature Communications, 2014, 5, 5231.	1.1	14
36	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

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37	Optical crystallographic study of piezoelectric $KxNa1-xNbO_3$ ( $x = 0.4, 0.5$ and $0.6$ ) single crystals using linear birefringence. <i>CrystEngComm</i> , 2013, 15, 6790.	1.3	17
38	Piezoelectric Materials: Bifurcated Polarization Rotation in Bismuth-Based Piezoelectrics ( <i>Adv. Funct.</i> ) Tj ETQq0 0 0,rgBT /Overlock 10 Tf	7.8	2
39	Revised structural phase diagram of $(Ba_{0.7}Ca_{0.3}TiO_3)-(BaZr_{0.2}Ti_{0.8}O_3)$ . <i>Applied Physics Letters</i> , 2013, 102, .	1.5	319
40	Bifurcated Polarization Rotation in Bismuth-Based Piezoelectrics. <i>Advanced Functional Materials</i> , 2013, 23, 185-190.	7.8	150
41	First-Order Reorientation Transition of the Flux-Line Lattice in $CaAlSi$ . <i>Physical Review Letters</i> , 2012, 108, 077001.	2.9	5
42	$LiTaO_3$ crystals with near-zero birefringence. <i>Journal of Applied Crystallography</i> , 2012, 45, 1030-1037.	1.9	10
43	Resolving the Nanoscale Morphology and Crystallographic Structure of Molecular Thin Films: $F_{16}CuPc$ on Graphene Oxide. <i>Chemistry of Materials</i> , 2012, 24, 1365-1370.	3.2	30
44	Growth of $LiNb_{1-x}Ta_xO_3$ solid solution crystals. <i>Materials Chemistry and Physics</i> , 2012, 134, 728-735.	2.0	28
45	High-resolution x-ray diffraction study of single crystals of lead zirconate titanate. <i>Physical Review B</i> , 2011, 84, .	1.1	58
46	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
47	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.	1.9	3
48	Observation of unusual temperature-dependent stripes in $LiTaO_3$ and $LiTa_{1-x}Nb_xO_3$ crystals with near-zero birefringence. <i>Journal of Applied Crystallography</i> , 2010, 43, 1305-1313.	1.9	13
49	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
50	Leakage and Proton Conductivity in the Predicted Ferroelectric $CsBiNb_2O_7$ . <i>Chemistry of Materials</i> , 2009, 21, 1296-1302.	3.2	35