

Publications list: Professor P.A. Thomas

March 2019

2019

A. BARTASYTE, S. MARGUERON, A. M. GLAZER, S. HUBAND, P. A. THOMAS

Vibrational modes and overlap matrix of $\text{LiNb}_{1-x}\text{Ta}_x\text{O}_3$ mixed crystals

Phys. Rev. B., **99**(9) 094306 (2019)

J. ZHAO, N. ZHANG, W. REN, G. NIU, D. WALKER, P. A. THOMAS, L. WANG, Z.-G. YE

Polar domain structural evolution under electric field and temperature in the $(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3$ -

$_{0.06}\text{BaTiO}_3$ piezoceramics

J. American Ceramic Society, **102**(1), 437-447 (2019)

2018

S. B. SESHADRI, M. M. NOLAN, G. TUTUNCU, J. S. FORRESTER, E. SAPPER, G. ESTEVES, T.

GRAZNOW, P. A. THOMAS, J. C. NINO, T. ROJAC, J. L. JONES

Unexpectedly high piezoelectricity of Sm-doped lead zirconate titanate in the Curie point region

Scientific Reports, **8**(1), 4120 (2018)

H. CHOE, J. BIEKER, N. ZHANG, A. M. GLAZER, P. A. THOMAS, S. GORFMAN

Monoclinic distortion, polarization rotation and piezoelectricity in the ferroelectric $\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3$

IUCrJ, **5**, 417-427 (2018)

N. ZHANG, H. YOKOTA, A. M. GLAZER, D. A. KEEN, S. GORFMAN, P. A. THOMAS, W. REN,

Z.-G. YE

Local-scale structures across the morphotropic phase boundary in $\text{PbZr}_{1-x}\text{Ti}_x\text{O}_3$

IUCrJ, **5**, 73-81 (2018)

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S. HUBAND, D. S. KEEBLE, N. ZHANG, A. M. GLAZER, A. BARTASYTE, P. A. THOMAS

Crystallographic and optical study of $\text{LiNb}_{1-x}\text{Ta}_x\text{O}_3$

Acta. Cryst. B. **3**, 498-506 (2017)

S. HUBAND, P. A. THOMAS

Depolarisation of $\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3$ -based relaxors and the resultant double hysteresis loops

J. Appl. Phys. **121**(18), 184105 (2017)

C. A. L. DIXON, J. A. MCNULTY, S. HUBAND, P. A. THOMAS, P. LIGHTFOOT

Unprecedented phase transition sequence in the perovskite $\text{Li}_{0.2}\text{Na}_{0.8}\text{NbO}_3$

IUCrJ, **4**, 215-222 (2017)

S. HUBAND, D. S. KEEBLE, N. ZHANG, A. M. GLAZER, A. BARTASYTE, P. A. THOMAS

Relationship between the structure and optical properties of lithium tantalate at the zero-birefringence point

J. Appl. Phys. **121**(2), 024102 (2017)

S. HUBAND, A. M. GLAZER, K. ROLEDER, A. MAJCHROWSKI, P. A. THOMAS

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J. Appl. Cryst. **50**, 378-384 (2017)

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A. SCHILLING, A. KUMAR, R. G. P. MCQUAID, A. M. GLAZER, P. A. THOMAS, J. M. GREGG

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