DAFTAR PUSTAKA

Achary, S. N., Jayakumar, O. D. and Tyagi, A. K. (2012) *Functional Materials: Preparation, Processing and Applications*. 1st Editio. Edited by S. Banerjee and A. K. Tyagi. Elsevier Ltd.

Adamczyk, M., Kozielski, L., Bochenek, D., Radoszewska, D., Pawelczyk, M., & Wodecka-Dus, B. (2016) 'Impedance spectroscopy of vanadium modified $BaBi_2Nb_2O_9$ Ceramics', *Eur. Psy. J. B*, 89, p. 37.

Afqir, M., Tachafine, A., Fasquelle, D., Elaatmani, M., Carru, J., Zegzouti, A. and Hammioui, M. El (2018) 'Effect of the synthesis route on the structural and dielectric properties of', *International Journal of Minerals, Metallurgy and Materials*, 25(11), pp. 1304–1312.

Afqir, M., Tachafine, A., Fasquelle, D., Elaatmani, M., Carru, J., Zegzouti, A. and Daoud, M. (2018) 'Synthesis, structural and dielectric properties of $SrBi_{2-x}La_xNb_2O_9$ ceramics prepared by hydrothermal treatment', *Applied Physics A*, 124, pp. 83–89.

Alonso, R. E., Ayala, A. P., Castro, A., Silva, J. J. L., Garcia, A. L., & Paschoal, A. R. (2004) 'The orthorhombic to tetragonal phase transition in $Bi_{1.75}Te_{0.25}SrNb_{1.75}Hf_{0.25}O_9$', *J. Phys.: Condens. Matter*, 16, pp. 4139–4148.

Arreguín-Zavala, J., Villafuerte-Castrejón, M. E., González, F., Bucio, L., Novelo-Peralta, O., Sato-Berrú, R. Y., & Ocotlán-Flores, J. (2008) 'Cation distribution in the $Bi_{4-x}RE_xTi_3O_{12}$ (RE=La, Nd) solid solution and Curie temperature dependence', *Materials Characterization*. Elsevier B.V., 60(3), pp. 219–224.

Aurivillius, B. (1949a) 'Mixed Bismuth Oxides with Layer Lattices 1. The Structure Type of $CaNb_2Bi_2O_9$', *Arkiv för kemi*, 1, pp. 463–480.

Aurivillius, B. (1949b) 'Mixed bismuth oxides with layer lattices 2. Structure of $Bi_4Ti_3O_{12}$', *Arkiv för kemi*, 1, pp. 499–512.

Bai, W., Chen, C., Tang, K., Yang, J., Tang, X., & Chu, J. (2016) 'Sintering, Structural and Optical Properties of Aurivillius $Bi_4LaTi_3TMO_{15}$ (TM = Co, Cr, Fe, Mn and Ni) Ceramics', *Ferroelectrics*, 492, pp. 109–116.

Blake, S. M., Falconer, M. J., Mccreedy, M., & Lightfoot, P. (1997) 'Cation disorder in ferroelectric Aurivillius phases of the type $Bi_2ANb_2O_9$ (A = Ba, Sr, Ca)', *Journal of Materials Chemistry*, 7(8), pp. 1609–1613.

Bokov, A. A. and Ye, Z. G. (2006) 'Recent progress in relaxor ferroelectrics with perovskite structure', *Journal of Materials Science*, 41(1), pp. 31–52.

Chakrabarti, A. and Bera, J. (2010) 'Effect of La-substitution on the structure and dielectric properties of $BaBi_4Ti_4O_{15}$ ceramics', *Journal of Alloys and Compounds*. Elsevier B.V., 505(2), pp. 668–674.

Chen, X., Lu, Z., Huang, F., Min, J., Li, J., Xiao, J., Yang, F., Zeng, X. (2017) 'Molten salt synthesis and magnetic anisotropy of multiferroic $Bi_4NdTi_3Fe_{0.7}Ni_{0.3}O_{15}$ ceramics', *Journal of Alloys and Compounds*. Elsevier B.V, 693, pp. 448–453.

Chou, C. C., Huang, C. L., Mukherjee, S., Chen, Q. Y., Sakurai, H., Belik, A. A., & Yang, H. D. (2009) 'Multiple magnetic transitions in multiferroic $BiMnO_3$', *Physical Review B*, 80, p. 184426.

Cui, Y., Fu, X. and Yan, K. (2012) 'Effects of Mn-Doping on the Properties of $BaBi_4Ti_4O_{15}$ Bismuth Layer Structured Ceramics', *Journal of Inorganic and Organometallic Polymers Materials*, 22(1), pp. 82–85.

Diao, C., Li, H., Chen, Z., & Zheng, H. (2016) 'Effect of samarium substitution on the dielectric and ferroelectric properties of $BaBi_{4-x}Sm_xTi_4O_{15}$ceramics', *Ceramics International*. Elsevier, 42(1), pp. 621–626.

Diao, C. L., Zheng, H. W., Gu, Y. Z., Zhang, W. F., & Fang, L. (2014) 'Structural and electrical properties of four-layers Aurivillius phase $BaBi_{3.5}Nd_{0.5}Ti_4O_{15}$ ceramics', *Ceramics International*, 40(4), pp. 5765–5769.

Dolgos, M. R., Adem, U., Manjon-sanz, A., Wan, X., Comyn, T. P., Stevenson, T., Bennett, J., Bell, A. J., Tran, T. T, Halasyamani, P. S., Claridge, J. B., Rosseinsky, M. J. (2012) 'Angewandte Perovskite *B*-Site Compositional Control of [110]p Polar Displacement Coupling in an Ambient-Pressure-Stable Bismuth-based Ferroelectric', pp. 10928–10933.

Du, H., Li, Y., Li, H., Shi, X., & Liu, C. (2008) 'Relaxor behavior of bismuth layer-structured ferroelectric ceramic with $m = 2$', *Solid State Communications*, 148 (7–8), pp. 357–360.

Eerenstein, W., Mathur, N. D. and Scott, J. F. (2006) 'Multiferroic and magnetoelectric materials', *Nature*, 442, pp. 759–765.

Fang, P., Liu, P. and Xi, Z. (2015) 'Quantitative description of the phase transition of Aurivillius oxides Sm modified $BaBi_4Ti_4O_{15}$ ceramics', *Physica B: Condensed Matter*. Elsevier, 468–469, pp. 34–38.

Fukunaga, M., Takesada, M. and Onodera, A. (2016) 'Ferroelectricity in Layered Perovskites as a Model of Ultra-Thin Films', *World Journal of Condensed Matter Physics*, 6, pp. 224–243.

García-Guaderrama, M., Arizaga, G. G. C. and Durán, A. (2014) 'Effect of synthesis conditions on the morphology and crystal structure of biferroic Bi5Ti3FeO15', *Ceramics International*. Elsevier, 40(5), pp. 7459–7465.

González-Abreu, Y., Pelaíz-Barranco, A., Gagou, Y., Belhadi, J., & Saint-Grégoire, P. (2015) 'Vibrational analysis on two-layer Aurivillius phase $Sr_{1-x}Ba_xBi_2Nb_2O_9$ using Raman spectroscopy', *Vibrational Spectroscopy*. Elsevier B.V., 77, pp. 1–4.

Hao, A., Liu, H. X., Cao, M. H., Min, X. M., & Ouyang, S. X. (2006) 'Study of A-site doping of $SrBi_4Ti_4O_{15}$ Bi-layered compounds using micro-Raman spectroscopy', *Appl. Phys. A*, 85, pp. 69–73.

Hervoches, C. H., Irvine, J. T. S. and Lightfoot, P. (2001) 'Two high-temperature paraelectric phases in $Sr_{0.85}Bi_{2.1}Ta_2O_9$', *Physical Review B - Condensed Matter and Materials Physics*, 64, p. 100102.

Huang, C. J., Li, K., Wu, S.Y., Zhu, X.L., Chen, X.M. (2015) 'Variation of ferroelectric hysteresis loop with temperature in $(Sr_xBa_{1-x})Nb_2O_6$ unfilled tungsten bronze ceramics', *Journal of Materiomics*. Elsevier Ltd, 1(2), pp. 146–152. doi: 10.1016/j.jmat.2015.02.004.

Hyatt, N. C., Reaney, I. M. and Knight, K. S. (2005) 'Ferroelectric-paraelectric phase transition in the n = 2 Aurivillius phase $Bi_3Ti_{1.5}W_{0.5}O_9$: A neutron powder diffraction study', *Physical Review B*, 71, p. 024119.

Ismunandar, Kamiyama, T., Hoshikawa, A., Zhou, Q., Kennedy, B. J., Kubota, Y., & Kato, K. (2004) 'Structural studies of five layer Aurivillius oxides : $A_2Bi_4Ti_5O_{18}$ (A = Ca , Sr , Ba and Pb)', *Journal of Solid State Chemistry*, 177, pp. 4188–4196.

Ismunandar, Hunter, B. A. and Kennedy, B. J. (1998) 'Cation disorder in the ferroelectric Aurivillius phase $PbBi_2Nb_2O_9$: an anamolous dispersion X-ray diffraction study', *Solid State Ionics*, 112, pp. 281–289.

Kan, Y., Jin, X., Wang, P., Li, Y., Cheng, Y. B., & Yan, D. (2003) 'Anisotropic grain growth of $Bi_4Ti_3O_{12}$ in molten salt fluxes', *Materials Research Bulletin*, 38(4), pp. 567–576.

Kennedy, B. J. (1999) 'Effect of temperature on cation disorder in ABiNbO (A = Sr , Ba)', *J. Mater. Chem*, 9, pp. 541–544.

Kennedy, B. J., Zhou, Q., Ismunandar, Kubota, Y., & Kato, K. (2008) 'Cation disorder and phase transitions in the four-layer ferroelectric Aurivillius phases $ABi_4Ti_4O_{15}$ (A=Ca, Sr, Ba, Pb)', 181(6), pp. 1377–1386.

Khokhar, A., Goyal, P. K., Thakur, O. P., Shukla, A. K., & Sreenivas, K. (2014) 'Influence of lanthanum distribution on dielectric and ferroelectric properties of $BaBi_{4-x}La_xTi_4O_{15}$ ceramics', 15, pp. 1–13.

Khokhar, A., Goyal, P. K., Thakur, O. P., & Sreenivas, K. (2015) 'Effect of excess of bismuth doping on dielectric and ferroelectric properties of $BaBi_4Ti_4O_{15}$ ceramics', *Ceramics International*. Elsevier, 41(3), pp. 4189–4198.

Khokhar, A., Goyal, P. K. and Sreenivas, K. (2015) 'Site selectivity of Sm^{3+} ions in $BaBi_{4-x}Sm_xTi_4O_{15}$ ceramics and its influence on electrical properties', *Materials Letters*, 160, pp. 408–411.

Kimura, T. (2011). Molten salt synthesis of ceramic powders. In Advances in Ceramics-Synthesis and Characterization, Processing and Specific Applications (pp. 75–100). InTech.

Koval, V., Skorvanek, I., Viola, G., Zhang, M., Jia, C., & Yan, H. (2018) 'Crystal Chemistry and Magnetic Properties of Gd-Substituted Aurivillius-Type $Bi_5FeTi_3O_{15}$ Ceramics', *The Journal of Physical Chemistry C*. American Chemical Society, 122, pp. 15733–15743.

Kumar, S. and Varma, K. B. R. (2009) 'Influence of lanthanum doping on the dielectric , ferroelectric and relaxor behaviour of barium bismuth titanate', *J. Phys. D: Appl. Phys*, 42, p. 075405.

Kundu, A. K., Seikh, M. M. and Nautiyal, P. (2015) 'Bismuth centred magnetic perovskite: A projected multiferroic', *Journal of Magnetism and Magnetic Materials*. Elsevier, 378, pp. 506–528.

Li, B., Zhang, N., Chang, H., Cheng, Y., & Bin-Cao. (2010) 'Synthesis and characterization of Bi_3NbTiO_9 powders prepared by molten salt method', *Journal of Alloys and Compounds*. Elsevier B.V., 505(2), pp. 542–548.

Lin, S., Jun-hao, C., Ping-xiong, Y., Fang-yu, Y., Ya-wei, L., Chu-de, F., & Cao-liang, M. (2009) 'Influence of substitution of Nd^{3+} for Bi^{3+} on structure and piezoelectric properties of $SrBi_{2-x}Nd_xNb_2O_9$ (x = 0, 0.1, 0.2 and 0.4)', *Transactions of Nonferrous Metals Society of China*, 19, pp. 1459–1463.

Liu, S., Yan, S., Luo, H., Yao, L., Hu, Z., Huang, S., & Deng, L. (2018) 'Enhanced magnetoelectric coupling in La-modified $Bi_5Co_{0.5}Fe_{0.5}Ti_3O_{15}$ multiferroic ceramics', *Journal of Materials Science*. Springer US, 53(2), pp. 1014–1023.

Long, C., Fan, H. and Ren, P. (2013) 'Structure , Phase Transition Behaviors and Electrical Properties of Nd Substituted Aurivillius Polycrystallines $Na_{0.5}Nd_xBi_{2.5-x}Nb_2O_9$ (x = 0.1, 0.2, 0.3, and 0.5)', *Inorganic Chemistry*, 52, pp. 5045–5054.

Luo, Y. (2007) *Comprehensive Handbook of Chemical Bond Energies*. 1st Edition. Boca Raton: CRC Press.

Macquart, H. and Kennedy, B. J. (2006) 'Cation Disorder in the Ferroelectric Oxides $ABi_2Ta_2O_9$, A= Ca, Sr, Ba', 177, pp. 174–177.

Macquart, R., Kennedy, B. J., Hunter, B. A., & Howard, C. J. (2002) 'High-temperature structural studies of $PbBi_2M_2O_9$ (M = Nb and Ta)', *J. Phys.: Condens. Matter*, 14, pp. 7955–7962.

Macquart, R., Kennedy, B. J., Kamiyama, T., & Izumi, F. (2004) 'Structural phase transitions in the ferroelectric oxides $Ba_{1-x}Pb_xBi_2Nb_2O_9$ (x = 0.375 , 0.625)', *Journal of Physics: Condensed Matter*, 16, pp. 5443–5452.

Mao, X. *et al.* Mao, X., Wang, W., Sun, H., Lu, Y., & Chen, X. (2012) 'Structural , Magnetic and Ferroelectric Structural , Magnetic and Ferroelectric

Properties', *Integrated Ferroelectrics*, 132, pp. 16–21.

Missyul, A. B., Zvereva, I. A., Palstra, T. T. M., & Kurbakov, A. I. (2010) 'Double-layered Aurivillius-type ferroelectrics with magnetic moments', *Materials Research Bulletin*. Elsevier Ltd, 45(5), pp. 546–550.

Missyul, A. B., Khairullina, E. M. and Zvereva, I. A. (2010) 'Synthesis of the Aurivillius Phases $Bi_2LnTaTiO_9$ (Ln = La ,Nd ,Sm ,Gd)', 36(2), pp. 247–250.

Mufti, N., Nugroho, A. A., Blake, G. R., & Palstra, T. T. M. (2010) 'Magnetodielectric coupling in frustrated spin systems : the spinels MCr_2O_4 (M = Mn, Co and Ni)', *Journal of Physics: Condensed Matter*, 22, p. 075902.

Nayak, P., Badapanda, T. and Panigrahi, S. (2016) 'Dielectric and ferroelectric properties of Lanthanum modified $SrBi_4Ti_4O_{15}$ ceramics', *Materials Letters*. Elsevier, 172, pp. 32–35.

Nayak, P., Badapanda, T. and Panigrahi, S. (2017) 'Investigation of site selectivity of lanthanum in $SrBi_4Ti_4O_{15}$ ceramic by structural , dielectric , ferroelectric and conduction behavior', *Journal of Materials Science: Materials in Electronics*. Springer US, 28, pp. 625–632.

Park, B. H., Kang, B. S., Bu, S. D., Noh, T. W., Lee, J., & Jo, W. (1999) 'Lanthanum-substituted bismuth titanate for use in non-volatile memories', *Nature*, 401, pp. 682–684.

Paul, J., Bhardwaj, S., Sharma, K.K., Kotnala, R.K., & Kumar, R., (2015) 'Room temperature multiferroic behaviour and magnetoelectric coupling in Sm/Fe modified Bi4Ti3O12 ceramics synthesized by solid state reaction method', *Journal of Alloys and Compounds*. Elsevier B.V., 634, pp. 58–64.

Phadtare, V. D. and Puri, V. R. (2016) 'Studies on electrical and dielectric properties of co-precipitated Aurivillius phase $Ca_{1-x}Ba_xBi_2Nb_2O_9$ ceramics', *Ceramics International*. Elsevier, 42(7), pp. 8581–8586.

Pikula, T., Dzik, J., Guzdek, P., Mitsiuk, V. I., Surowiec, Z., Panek, R., & Jartych, E. (2017) 'Magnetic properties and magnetoelectric coupling enhancement in $Bi_5Ti_3FeO_{15}$ ceramics', *Ceramics International*. Elsevier Ltd, 43(14), pp. 11442–11449.

Porob, D. G. and Maggard, P. A. (2006) 'Synthesis of textured $Bi_5Ti_3FeO_{15}$ and $LaBi_4Ti_3FeO_{15}$ ferroelectric layered Aurivillius phases by molten-salt flux methods', *Materials Research Bulletin*, 41(8), pp. 1513–1519.

Prasetyo, A., Mihailova, B., Suendo, V., Nugroho, A. A., Zulhadjri, & Ismunandar. (2017) 'Structural transformations in $Pb_{1-x}Bi_{4+x}Ti_{4-x}Mn_xO_{15}$ (x=0.2 and 0.4): a Raman scattering study', *Journal of Raman Spectroscopy*, 48(2), pp. 292–297

Ranieri, M. G. A., Aguiar, E. C., Cilense, M., Simões, A. Z., & Varela, J. A. (2013) 'Syntheses of bismuth titanate templates obtained by the molten salt method', *Ceramics International*. Elsevier, 39(7), pp. 7291–7296.

Rehman, F., Wang, L., Jin, H., Bukhtiar, A., Zhang, R., Zhao, Y., & Li, J. (2016) 'Effect of Fe/Ta Doping on Structural, Dielectric, and Electrical Properties of $Bi_4Ti_{2.5}Fe_{0.25}Ta_{0.25}O_{12}$Ceramics', *J. Am. Ceram. Soc.*, pp. 1–8.

Rentschler, T., Karus, M., Wellm, A., & Reller, A. (1996) 'Synthesis and characterization of the Aurivillius phases $Bi_{2-x}Pb_xSr_{1-x}Nd_xNb_2O_9$', *Solid State Ionics*, 90, pp. 49–55.

Roy, M., Bala, I., Barbar, S. K., Jangid, S., & Dave, P. (2011) 'Synthesis, structural and electrical properties of La and Nb modified $Bi_4Ti_3O_{12}$ ferroelectric ceramics', *Journal of Physics and Chemistry of Solids*. Elsevier, 72(11), pp. 1347–1353.

Samara, G. A. (2003) 'The relaxational properties of compositionally disordered ABO_3 perovskites', *Journal of Physics: Condensed Matter*, 15, pp. 367–411.

Scott, J. F. (2008) 'Ferroelectrics go bananas', *Journal of Physics Condensed Matter*, 20(2), p. 021001.

Setasuwon, P. and Kijamnajsak, S. (2008) 'Effects of Starting Materials on Molten Salt Synthesis of $Bi_4Ti_3O_{12}$', *Advanced Materials Research*, 55, pp. 165–168.

Shannon, R. D. (1976) 'Revised Effective Ionic Radii and Systematic Studies of Interatomie Distances in Halides and Chaleogenides', *Acta Cryst.*, 32, pp. 751–767.

Shi, Y., Pu, Y., Zhang, Q., Li, J., & Guo, L. (2018) 'Dielectric and multiferroic properties of two-layered $SrBi_2Nb_{2-x}Fe_xO_9$ Aurivillius compounds', *Ceramics International*, 44, pp. S61–S64.

Shi, Y., Pu, Y., Li, J., Shi, R., Wang, W., Zhang, Q., & Guo, L. (2019) 'Structure, dielectric and multiferroic properties of three-layered aurivillius $SrBi_3Nb_2FeO_{12}$ ceramics', *Ceramics International*. Elsevier Ltd., 45(7), pp. 9283–9287.

Shimakawa, Y., Kubota, Y., Nakagawa, Y., Goto, T., Kamiyama, T., Asano, H., & Izumi, F. (2000) 'Crystal structure and ferroelectric properties of $ABi_2Ta_2O_9$ (A = Ca, Sr, and Ba)', *Physical Review B*, 61(10), pp. 6559–6564.

Shimakawa, Y., Kubo, Y., Tauchi, Y., Kamiyama, T., Asano, H., & Izumi, F. (2000) 'Structural distortion and ferroelectric properties of $SrBi_2(Ta_{1-x}Nb_x)_2O_9$', *Applied Physics Letters*, 77, p. 2749.

Shu, Y., Ma, Q., Cao, L., Ding, Z., Chen, X., & Yang, F. (2019) 'Bandgap tunability of Aurivillius $Bi_4NdTi_3(Fe_{0.5}M_{0.5})O_{15}$ (M=Cr, Ni, Fe, Co, Mn) thin film', *Journal of Alloys and Compounds*. Elsevier B.V, 773, pp. 934–939.

Shu, Y., Ma, Q., Ding, Z., Cao, L., Chen, X., & Yang, F. (2019) 'Multiferroic behaviors of Co-doped $Bi_4NdTi_3FeO_{15}$ ceramics', *Physics Letters A*. Elsevier B.V., 1, pp. 12–15.

Singh, L., Rai, U. S., Mandal, K. D., & Singh, N. B. (2014) 'Progress in the growth

of $CaCu_3Ti_4O_{12}$ and related functional dielectric perovskites', *Progress in Crystal Growth and Characterization of Materials*. Elsevier Ltd, 60(1), pp. 1–48.

Smolenskii, G. A., Isupov, V. A. and Agranovskaya, A. I. (1959) 'A new group of ferroelectrics (layered structure)', *Fiz. Tverd. Tela*, 1, pp. 169–172.

Snedden, A., Hervoches, C. H. and Lightfoot, P. (2003) 'Ferroelectric phase transitions in $SrBi_2Nb_2O_9$ and $Bi_5Ti_3FeO_{15}$: A powder neutron diffraction study', 67, p. 092102.

Srikanth, V., Idink, H., White, W. B., Subbarao, E. C., Rajagopal, H., & Sequeira, A. (1996) 'Cation Disorder in Ferroelectric $PbBi_2Nb_20_9$', *Acta Crystallographica*. International Union of Crystallography, B52, pp. 432–439.

Suárez, D. Y., Reaney, I. M. and Lee, W. E. (2001) 'Relation between tolerance factor and Tc in Aurivillius compounds', *Journal of Materials Research*, 16(11), pp. 3139–3149.

Subbarao, E. C. (1962) 'A family of ferroelectric bismuth compounds', *Journal of Physics and Chemistry of Solids*, 23(6), pp. 665–676.

Sun, L., Feng, C., Chen, L., & Huang, S. (2007) 'Dielectric and Piezoelectric Properties of $SrBi_{2-x}Sm_xNb_2O_9$ (x = 0, 0.05, 0.1, 0.2, 0.3, and 0.4) Ceramics', *J. Am. Ceram. Soc.*, 90(12), pp. 3875–3881.

Sun, S., Chen, Z., Wang, G., Geng, X., Xiao, Z., Sun, Z., Sun, Z., Peng, R., Lu, Y. (2018) 'Nanoscale Structural Modulation and Low-temperature Magnetic Responsse in Mixed-layer Aurivillius- type Oxides', *Scientific Reports*. Springer US, 8, p. 871.

Surta, T. W., Manjón-Sanz, A., Qian, E. K., Mansergh, R. H., Tran, T. T., Fullmer, L. B., & Dolgos, M. R. (2017) 'Dielectric and Ferroelectric Properties in Highly Substituted $Bi_2Sr(A)TiNb_2O_{12}$ (A = Ca^{2+}, Sr^{2+}, Ba^{2+}) Aurivillius Phases', *Chemistry of Materials*, 29, pp. 7774–7784.

Tang, K., Bai, W., Liu, J., Yang, J., Zhang, Y., Duan, C., Tang, X., Chu, J. (2015) 'The effect of Mn doping contents on the structural , dielectric and magnetic properties of multiferroic $Bi_5Ti_3FeO_{15}$ Aurivillius ceramics', *Ceramics International*. Elsevier, 41, pp. 1–6.

Tanwar, A., Verma, M., Gupta, V., & Sreenivas, K. (2011) 'A-site substitution effect of strontium on bismuth layered $CaBi_4Ti_4O_{15}$ ceramics on electrical and piezoelectric properties', *Materials Chemistry and Physics*. Elsevier B.V., 130(1–2), pp. 95–103.

Teweldemedhin, Z. S., Fuller, R. L. and Greenblatt, M. (1996) 'Magnetic susceptibility measurements of solid manganese compounds with Evan's balance', *Journal of Chemical Education*, 73(9), pp. 906–909.

Ti, B., Shao, C., Lu, Y., Wang, D., & Li, Y. (2012) 'Effect of Nd substitution on

the microstructure and electrical properties of', *Journal of the European Ceramic Society*. Elsevier Ltd, 32(14), pp. 3781–3789.

Ti, B., Co, F., Yu, Z., Meng, X., Zheng, Z., Lu, Y., Chen, H., Huang, C., Sun, H. (2019) 'Room temperature multiferroic properties of rare-earth-substituted', *Materials Research Bulletin*. Elsevier, 115(March), pp. 235–241.

Tian, X., Gao, F., Qu, S., Ma, H., & Wang, B. (2015) 'Effects of molten salt content and reaction temperature on molten salt preparation of $CaNaBi_2Nb_3O_{12}$ powder', *Journal of Materials Science: Materials in Electronics*. Springer US, 26(8), pp. 6189–6193.

Toby, B. H. (2006) 'R factors in Rietveld analysis : How good is good enough ?', *Powder Diffraction*, 21(1), pp. 67–70.

Venkata Ramana, E., Graça, M. P. F., Valente, M. A., & Bhima Sankaram, T. (2014) 'Improved ferroelectric and pyroelectric properties of Pb-doped $SrBi_4Ti_4O_{15}$ ceramics for high temperature applications', *Journal of Alloys and Compounds*. Elsevier B.V., 583, pp. 198–205.

Verma, M., Sreenivas, K. and Gupta, V. (2009) 'Influence of La doping on structural and dielectric properties of $SrBi_2Nb_2O_9$ ceramics', *Journal of Applied Physics*, 105, p. 024511.

Wallace, R. M. (2017) 'Dielectric Materials for Microelectronics', pp. 615–644.

Wang, J., Li, L., Peng, R., Fu, Z., Liu, M., & Lu, Y. (2015) 'Structural evolution and multiferroics in Sr-doped $Bi_7Fe_{1.5}Co_{1.5}Ti_3O_{21}$ ceramics', *Journal of the American Ceramic Society*, 98(5), pp. 1–8.

Whatmore, R. (2017) 'Ferroelectric Materials', in *Springer Handbook of Electronic and Photonic Materials*. Springer, Cham, pp. 589–614.

Wu, M. S., Tian, Z.M., Yuan, S.L., Duan, H.N., Qiu, Y., (2012) 'Dielectric behavior and ac conductivity in Aurivillius $Bi_4Ti_3O_{12}$ doped by antiferromagnetic $BiFeO_3$', *Physics Letters A*, 376, pp. 2062–2066.

Xiao, J., Zhang, H., Xue, Y., Lu, Z., Chen, X., Su, P., Yang, F., Zeng, X. (2015) 'The influence of Ni-doping concentration on multiferroic behaviors', *Ceramics International*. Elsevier, 41(1), pp. 1087–1092.

Yang, J., Yin, L. H., Shao, D. F., Zhu, X. B., Dai, J. M., & Sun, Y. P., (2011) 'Magnetic and dielectric properties of Aurivillius phase $Bi_{4.2}Nd_{0.8}Ti_3Fe_{0.5}Co_{0.5}O_{15}$', *Epl*, 96(6).

Yao, Z., Li, H., Ma, M., Chu, R., Xu, Z., Hao, J., Li, G., (2016) 'Preparation and electrical properties of $(1-x)SrBi_2Nb_2O_{9-x}BiFeO_3$ lead-free piezoelectric ceramics', *Ceramics International*. Elsevier, 42(4), pp. 5391–5396.

Yin, Z., Sheng, Y. and Ma, G. (2019) 'Dielectric, multiferroic and magnetodielectric properties of Co/Fe co-doped$Bi_4Ti_3O_{12}$ ceramics', *Journal of Materials Science: Materials in Electronics*. Springer US, 30(11), pp.

10483–10490.

Yu, Z., Yu, B., Liu, Y., Zhou, P., Jiang, J., Liang, K., Lu, Y., Sun, H., Chen, X., Ma, Z., Zhang, T., Huang, C., Qi, Y. (2017) 'Enhancement of multiferroic properties of Aurivillius $Bi_5Ti_3FeO_{15}$ ceramics by Co doping', *Ceramics International*. Elsevier Ltd and Techna Group S.r.l., 43, pp. 14996–15001.

Yuan, J., Nie, R., Chen, Q., Xiao, D., & Zhu, J. (2019) 'Structural distortion, piezoelectric properties, and electric resistivity of A-site substituted Bi_3TiNbO_9-based high-temperature piezoceramics', *Materials Research Bulletin*. Elsevier, 115, pp. 70–79.

Zhang, H., Yan, H., Ning, H., Reece, M. J., Eriksson, M., Shen, Z.. Kan, Y., Wang, P. (2009) 'The grain size effect on the properties of Aurivillius phase $Bi_{3.15}Nd_{0.85}Ti_3O_{12}$ ferroelectric ceramics', *Nanotechnology*, 20, p. 385708.

Zhang, S. (2007) 'Low Temperature Synthesis of Complex Refractory Oxide Powders From Molten Salts', *J Pak Mater Soc*, 1(2), pp. 49–53.

Zhang, S. and Yu, F. (2011) 'Piezoelectric Materials for High Temperature Sensors', *Journal of the American Ceramic Society*, 94, pp. 3153–3170.

Zhao, H., Wang, H., Cheng, Z., Fu, Q., Tao, H., Ma, Z., Jia, T., Kimura, Hi., Li, H (2018) 'Electric and magnetic properties of Aurivillius-phase compounds: $Bi_5Ti_3XO_{15}$ (X = Cu, Mn, Ni, V)', *Ceramics International*. Elsevier Ltd and Techna Group S.r.l., 44(11), pp. 13226–13231.

Zhou, J., Zhang, Y., Liu, Q., & Liu, P. (2014) 'Magnetoelectric effects on ferromagnetic and ferroelectric phase transitions in multiferroic materials', *Acta Materialia*. Acta Materialia Inc., 76, pp. 355–370.

Zhou, Q., Kennedy, B. J. and Elcombe, M. M. (2006) 'Synthesis and structural studies of cation-substituted Aurivillius phases $ASrBi_2Nb_2TiO_{12}$', *Journal of Solid State Chemistry*, 179(12), pp. 3744–3750.

Zulhadjri, Prijamboedi, B., Nugroho, A. A., Mufti, N., Fajar, A., Palstra, T. T. M., & Ismunandar. (2011) 'Aurivillius phases of $PbBi_4Ti_4O_{15}$ doped with Mn^{3+} synthesized by molten salt technique: Structure, dielectric, and magnetic properties', *Journal of Solid State Chemistry*. Elsevier, 184(5), pp. 1318–1323.

Zulhadjri, Prijamboedi, B., Nugroho, A. A., Mufti, N. and Ismunandar (2011) 'Five Layers Aurivillius Phases $Pb_{2-x}Bi_{4+x}Ti_{5-x}Mn_xO_{18}$: Synthesis, Structure, Relaxor Ferroelectric and Magnetic Properties', *ITB Journal of Science*, 43(2), pp. 139–150.

Zulhadjri, Pakpahan, E., Misfadhila, S., & Arief, S. (2015) 'Synthesis and Characterization of Four-Layer Aurivillius Phases $SrBi_3LaTi_4O_{15}$ Doped with Mn^{3+}', *Research Journal of Pharmaceutical, Biological and Chemical Sciences*, 6, pp. 461–465.