

## DAFTAR PUSTAKA

- Abdullah, M. and Khairurrijal, K. (2009) ‘Review: Karakterisasi Nanomaterial’, *J. Nano Saintek*, 2(1), pp. 1–9.
- AlKahtani, R. N. (2018) ‘The implications and applications of nanotechnology in dentistry: A review’, *Saudi Dental Journal*. King Saud University, 30(2), pp. 107–116. doi: 10.1016/j.sdentj.2018.01.002.
- Bunaciu, A. A., Udriștioiu, E. gabriela and Aboul-Enein, H. Y. (2015) ‘X-Ray Diffraction: Instrumentation and Applications’, *Critical Reviews in Analytical Chemistry*, 45(4), pp. 289–299. doi: 10.1080/10408347.2014.949616.
- Chang, H. Y. et al. (2010) ‘Highly efficient cathodoluminescence of nanophosphors by solvothermal route’, *Journal of Luminescence*. Elsevier, 130(6), pp. 969–975. doi: 10.1016/j.jlumin.2010.01.007.
- Chen, Z. G. et al. (2012) ‘Nanostructured thermoelectric materials: Current research and future challenge’, *Progress in Natural Science: Materials International*. Elsevier, 22(6), pp. 535–549. doi: 10.1016/j.pnsc.2012.11.011.
- Dahlan, D., Leng, T. S. and Aziz, H. (2016) ‘Dye Sensitized Solar Cells (DSSC) dengan Sensitiser Dye Alami Daun Pandan, Akar Kunyit dan Biji Beras Merah (Black Rice)’, *Jurnal Ilmu Fisika / Universitas Andalas*, 8(1), pp. 1–8. doi: 10.25077/jif.8.1.1-8.2016.
- Dang, F. et al. (2011) ‘Growth of monodispersed SrTiO<sub>3</sub> nanocubes by thermohydrolysis method’, *CrystEngComm*, 13(11), pp. 3878–3883. doi: 10.1039/c1ce05296a.
- Dang, F. et al. (2013) ‘Thermoelectric performance of SrTiO<sub>3</sub> enhanced by nanostructuring - Self-assembled particulate film of nanocubes’, *ACS Applied Materials and Interfaces*, 5(21), pp. 10933–10937. doi: 10.1021/am403112n.
- Demazeau, G. et al. (1997) ‘Solvothermal synthesis of microcrystallites of transition metal oxides’, *Journal of Alloys and Compounds*, 262–263, pp. 271–274. doi: 10.1016/S0925-8388(97)00395-2.
- Ding, G. et al. (2019) ‘A comparative study of thermoelectric properties between bulk and monolayer SnSe’, *Results in Physics*. Elsevier, 15(July), p. 102631. doi: 10.1016/j.rinp.2019.102631.
- Eka, Y. et al. (2018) ‘Low Thermal Conductivity of RE - Doped SrO ( SrTiO<sub>3</sub> ) 1 Ruddlesden Popper Phase Bulk Materials Prepared by Molten Salt Method’, *Electronic Materials Letters*. The Korean Institute of Metals and Materials, (0123456789). doi: 10.1007/s13391-018-0062-x.
- Eka, Y., Mohd, S. and Diantoro, M. (2019) ‘Nanoarchitected titanium complexes for thermal mitigation in thermoelectric materials’, *Renewable and Sustainable Energy Reviews*. Elsevier Ltd, 101(August 2018), pp. 346–360.

- doi: 10.1016/j.rser.2018.10.006.
- Elfeky, S. A., Mahmoud, S. E. and Youssef, A. F. (2017) ‘Applications of CTAB modified magnetic nanoparticles for removal of chromium (VI) from contaminated water’, *Journal of Advanced Research*. Cairo University, 8(4), pp. 435–443. doi: 10.1016/j.jare.2017.06.002.
- Fergus, J. W. (2012) ‘Oxide materials for high temperature thermoelectric energy conversion’, *Journal of the European Ceramic Society*, 32, pp. 525–540. doi: 10.1016/j.jeuceramsoc.2011.10.007.
- Fisika, J. and Universitas, F. (2013) ‘SIFAT LISTRIK DAN OPTIK NANOKOMPOSIT EPOXY RESIN - TiO<sub>2</sub> Hawariyi Ola Yuzria , Astuti’, 2(2), pp. 135–139.
- Francisco, E. V. De and García-estepa, R. M. (2018) ‘Nanotechnology in the agrofood industry’, *Journal of Food Engineering*. Elsevier, 238(November 2017), pp. 1–11. doi: 10.1016/j.jfoodeng.2018.05.024.
- Gayner, C. and Kar, K. K. (2016) ‘Progress in Materials Science Recent advances in thermoelectric materials’, *Progress in Materials Science*. Elsevier Ltd, 83, pp. 330–382. doi: 10.1016/j.pmatsci.2016.07.002.
- Han, L. et al. (2014) ‘The effects of nanoparticle shape on electrical conductivity of Ag nanomaterials’, *Journal of Materials Science: Materials in Electronics*, 25(9), pp. 3870–3877. doi: 10.1007/s10854-014-2101-1.
- Hao, Y., Wang, X. and Li, L. (2014) ‘Highly dispersed SrTiO<sub>3</sub> nanocubes from a rapid sol-precipitation method’, *Nanoscale*, 6(14), pp. 7940–7946. doi: 10.1039/c4nr00171k.
- Host, S. et al. (1992) ‘Structural Aspects of Photosynthesis and Photosynthetic Membrane Systems of membrane proteins’.
- Hou, B. et al. (2006) ‘Preparation and characterization of single-crystalline barium strontium titanate nanocubes via solvothermal method’, *Powder Technology*, 170(1), pp. 26–30. doi: 10.1016/j.powtec.2006.08.010.
- Hussein, A. K. (2015) ‘Applications of nanotechnology in renewable energies — A comprehensive overview and understanding’, *Renewable and Sustainable Energy Reviews*. Elsevier, 42, pp. 460–476. doi: 10.1016/j.rser.2014.10.027.
- Jerić, M. and Ceh, M. (2016) ‘Journal of the European Ceramic Society An enhanced thermoelectric figure of merit for Sr ( Ti 0 . 8 Nb 0 . 2 ) O 3 based on a Ruddlesden – Popper-polytype-induced microstructure’, 36, pp. 1177–1182. doi: 10.1016/j.jeurceramsoc.2015.12.001.
- Kato, K. et al. (2014) ‘Nano-sized cube-shaped single crystalline oxides and their potentials ; composition , assembly and functions’, *Advanced Powder Technology*. The Society of Powder Technology Japan, 25(5), pp. 1401–1414. doi: 10.1016/j.apt.2014.02.006.

- Kato, K., Mimura, K. and Dang, F. (2013) 'BaTiO<sub>3</sub> nanocube and assembly to ferroelectric supracrystals'. doi: 10.1557/jmr.2013.299.
- Kaviyarasu, K. *et al.* (2015) 'Investigation on the structural properties of CeO<sub>2</sub> nanofibers via CTAB surfactant', *Materials Letters*, 160, pp. 61–63. doi: 10.1016/j.matlet.2015.07.099.
- Kolassa, N. *et al.* (1979) *Mechanism of calcium-independent phosphorylation of sarcoplasmic reticulum ATPase by orthophosphate. Evidence of magnesium-phosphoprotein formation*, *FEBS Letters*. doi: 10.1016/0014-5793(79)80596-7.
- Kuang, Q. and Yang, S. (2013) 'Template Synthesis of Single-Crystal-Like Porous SrTiO<sub>3</sub> Nanocube Assemblies and Their Enhanced Photocatalytic Hydrogen Evolution'.
- Laborda, F. and Bolea, E. (2018) *Characterization of Engineered Nanomaterials, Reference Module in Chemistry, Molecular Sciences and Chemical Engineering*. Elsevier Inc. doi: 10.1016/b978-0-12-409547-2.12677-0.
- Lai, J. *et al.* (2015) 'Solvothermal synthesis of metal nanocrystals and their applications', *Nano Today*. Elsevier Ltd, 10(2), pp. 240–267. doi: 10.1016/j.nantod.2015.03.001.
- Lara-Estrada, T. *et al.* (2018) 'Electron transfer in cobalt hexacyanoferrate nanoparticles promoted by reverse microemulsions prepared with Cetyltrimethylammonium surfactants', *Colloids and Surfaces A: Physicochemical and Engineering Aspects*. Elsevier, 544(February), pp. 1–7. doi: 10.1016/j.colsurfa.2018.02.010.
- Li, W. J. *et al.* (1999) 'Growth mechanism and growth habit of oxide crystals', *Journal of Crystal Growth*, 203(1), pp. 186–196. doi: 10.1016/S0022-0248(99)00076-7.
- Liu, D. *et al.* (2018) 'Direct preparation of La-doped SrTiO<sub>3</sub> thermoelectric materials by mechanical alloying with carbon burial sintering', *Journal of the European Ceramic Society*. Elsevier, 38(2), pp. 807–811. doi: 10.1016/j.jeurceramsoc.2017.09.022.
- Luther, W. (2008) 'Application of Nano- technologies in the Energy Sector', *Www.Hessen-Nanotech.De*, p. 88. Available at: [www.hessen-nanotech.de](http://www.hessen-nanotech.de).
- Ma, Q., Mimura, K. I. and Kato, K. (2016) 'Tuning shape of barium titanate nanocubes by combination of oleic acid/tert-butylamine through hydrothermal process', *Journal of Alloys and Compounds*. Elsevier B.V, 655, pp. 71–78. doi: 10.1016/j.jallcom.2015.09.156.
- Ma, Q., Mimura, K. and Kato, K. (2014) 'Diversity in size of barium titanate nanocubes synthesized by a hydrothermal method using an aqueous Ti compound'. Royal Society of Chemistry, pp. 8398–8405. doi: 10.1039/c4ce01195c.

- Meepho, M. *et al.* (2011) ‘Influence of reaction medium on formation of nanocrystalline YSZ prepared by conventional and modified solvothermal process’, *Energy Procedia*, 9, pp. 545–552. doi: 10.1016/j.egypro.2011.09.063.
- Nakashima, K. *et al.* (2019) ‘Effects of raw materials on NaNbO<sub>3</sub> nanocube synthesis via the solvothermal method’, *Journal of Asian Ceramic Societies*. Taylor & Francis, 7(1), pp. 36–41. doi: 10.1080/21870764.2018.1559913.
- Naresh, N. *et al.* (2013) ‘Removal of surfactant and capping agent from Pd nanocubes (Pd-NCs) using tert-butylamine: Its effect on electrochemical characteristics’, *Journal of Materials Chemistry A*, 1(30), pp. 8553–8559. doi: 10.1039/c3ta11183k.
- Nawaratna, G., Lacey, R. and Fernando, S. D. (2012) ‘Effect of hydrocarbon tail-groups of transition metal alkoxide based amphiphilic catalysts on transesterification’, *Catalysis Science and Technology*, 2(2), pp. 364–372. doi: 10.1039/c1cy00397f.
- Nguyen, T., Mrabet, D. and Do, T. (2008) ‘Controlled Self-Assembly of Sm<sub>2</sub>O<sub>3</sub> Nanoparticles into Nanorods : Simple and Large Scale Synthesis using Bulk Sm<sub>2</sub>O<sub>3</sub> Powders’, pp. 15226–15235.
- Novelina, Y. M. and Hudiyono, S. (2018) ‘The effect of power supply variation in Fe<sub>3</sub>O<sub>4</sub> nanoparticles synthesized under solvothermal conditions using microwave’, 020062, p. 020062. doi: 10.1063/1.5064059.
- Park, N. *et al.* (2013) ‘Journal of Asian Ceramic Societies Self-originating two-step synthesis of core – shell structured La-doped SrTiO<sub>3</sub> nanocubes’, *Integrative Medicine Research*. Taibah University, 1(1), pp. 35–40. doi: 10.1016/j.jascer.2013.02.004.
- Precision, B. & K. (2014) ‘LCR Meter Guide’, pp. 1–49.
- Pu, Z. *et al.* (2006) ‘Controlled synthesis and growth mechanism of hematite nanorhombohedra, nanorods and nanocubes’, *Nanotechnology*, 17(3), pp. 799–804. doi: 10.1088/0957-4484/17/3/031.
- Putri, Yulia Eka; Hamsal, Y. zulhadjri (2015) ‘Studi hantaran listrik senyawa sr’, 8(2).
- Putri, Y. E. *et al.* (2019) ‘Peran Capping Agent terhadap Morfologi SrTiO<sub>3</sub> Bulat Berongga yang Terbentuk dari Susunan Nanokubus melalui Metode Solvothermal’, *Jurnal Kimia Valensi*, 5(1), pp. 124–132. doi: 10.15408/jkv.v5i1.9972.
- Ramalingam, G. *et al.* (2020) ‘Quantum Confinement Effect of 2D Nanomaterials’, *Quantum Dots - Fundamental and Applications*, pp. 1–12. doi: 10.5772/intechopen.90140.
- Salah, N. *et al.* (2019) ‘Journal of the European Ceramic Society Nanocomposites

- of CuO / SWCNT : Promising thermoelectric materials for mid-temperature thermoelectric generators', *Journal of the European Ceramic Society*. Elsevier, (November 2018), pp. 0–1. doi: 10.1016/j.jeurceramsoc.2019.04.036.
- Seo, D. K. and Hoffmann, R. (1999) 'Direct and indirect band gap types in one-dimensional conjugated or stacked organic materials', *Theoretical Chemistry Accounts*, 102(1–6), pp. 23–32. doi: 10.1007/s002140050469.
- Shahabuddin, S., Sarih, N. M. and Mohamad, S. (2016) 'Nanocomposites with Enhanced Photocatalytic Degradation of Methylene Blue under Visible Light'. doi: 10.3390/polym8020027.
- Singh, M., Goyal, M. and Devlal, K. (2018) 'Size and shape effects on the band gap of semiconductor compound nanomaterials', 3655(May). doi: 10.1080/16583655.2018.1473946.
- Souza, A E *et al.* (2012) 'Photoluminescence of SrTiO<sub>3</sub> : Influence of Particle Size and Morphology', (2).
- Souza, A. E. *et al.* (2012) 'Photoluminescence of SrTiO<sub>3</sub>: Influence of particle size and morphology', *Crystal Growth and Design*, 12(11), pp. 5671–5679. doi: 10.1021/cg301168k.
- Sreedhar, G. *et al.* (2014) 'A role of lithiated sarcosine TFSI on the formation of single crystalline SrTiO<sub>3</sub> nanocubes via hydrothermal method', *Materials Letters*. Elsevier, 133, pp. 127–131. doi: 10.1016/j.matlet.2014.06.170.
- Srivastava, D. *et al.* (2018) 'Improving the thermoelectric properties of SrTiO<sub>3</sub>-based ceramics with metallic inclusions', *Journal of Alloys and Compounds*, 731, pp. 723–730. doi: 10.1016/j.jallcom.2017.10.033.
- Sui, Z. M. *et al.* (2006) 'Capping effect of CTAB on positively charged Ag nanoparticles', *Physica E: Low-Dimensional Systems and Nanostructures*, 33(2), pp. 308–314. doi: 10.1016/j.physe.2006.03.151.
- Sulaeman, U., Yin, S. and Sato, T. (2011) 'Solvothermal synthesis and photocatalytic properties of chromium-doped SrTiO<sub>3</sub> nanoparticles', *Applied Catalysis B: Environmental*. Elsevier B.V., 105(1–2), pp. 206–210. doi: 10.1016/j.apcatb.2011.04.017.
- Sumanth Kumar, D., Jai Kumar, B. and Mahesh, H. M. (2018) *Quantum Nanostructures (QDs): An Overview, Synthesis of Inorganic Nanomaterials*. Elsevier Ltd. doi: 10.1016/b978-0-08-101975-7.00003-8.
- Szczech, J. R., Higgins, J. M. and Jin, S. (2011) 'Enhancement of the thermoelectric properties in nanoscale and nanostructured materials', *Journal of Materials Chemistry*, 21(12), pp. 4037–4055. doi: 10.1039/c0jm02755c.
- Tan, D. T. *et al.* (2016) 'The effect of CTAB on Na<sub>2</sub>SO<sub>4</sub>nucleation in mixed Na<sub>2</sub>SO<sub>4</sub>/CTAB aerosols by FTIR-ATR technology', *Chinese Chemical*

- Letters*. Chinese Chemical Society and Institute of Materia Medica, Chinese Academy of Medical Sciences, 27(7), pp. 1073–1076. doi: 10.1016/j.cclet.2016.02.019.
- Wang, H. et al. (2016) ‘Recent development of n-type perovskite thermoelectrics’, *Journal of Materomics*. Elsevier Ltd, 2(3), pp. 225–236. doi: 10.1016/j.jmat.2016.06.005.
- Xiao, C. et al. (2012) ‘Solid-Solutioned Homojunction Nanoplates with Disordered Lattice’, *Journal of the American Chemical Society*, 134, p. 7971. doi: 10.1021/ja3020204.
- Yin, X. L. et al. (2019) ‘Room temperature synthesis of CdS/SrTiO<sub>3</sub> nanodots-on-nanocubes for efficient photocatalytic H<sub>2</sub> evolution from water’, *Journal of Colloid and Interface Science*. Elsevier Inc., 536, pp. 694–700. doi: 10.1016/j.jcis.2018.10.097.
- yulia eka putri, Hamsal Yusri, Z. (2015) ‘STUDI HANTARAN LISTRIK SENYAWA SRN+1TINO<sub>3</sub>N+1 (N = 1 DAN 2) FASA RUDDLESDEN-POPPER YANG DISINTESIS DENGAN METODE LELEHAN GARAM’, *J.Ris.Kim*, 8(2).
- Yuliza, E. et al. (2014) ‘Effect of Particle Size on the Electrical Conductivity of Metallic Particles’, (January). doi: 10.2991/icaet-14.2014.37.
- Yuwono, A. H. et al. (2011) ‘Sel Surya Tersensitasi Zat Pewarna Berbasis Nanopartikel TiO<sub>2</sub> Hasil Proses Sol-Gel dan Perlakuan Pasca-Hidrotermal’, *Jurnal Material dan Energi Indonesia*, 01(03), pp. 127–140. doi: 10.1016/j.solmat.2008.11.012.
- Zhan, J. H. et al. (1999) ‘A solvothermal route for the synthesis of ammonium tungsten bronze’, *Solid State Ionics*, 126(3–4), pp. 373–377.