

## DAFTAR PUSTAKA

- Al-Eshaikh, M.A. and Kadachi, A., 2011, Elemental Analysis of Steel Products Using X-ray Fluorescence (XRF) Technique, *J. King Saud Univ.*, 23, 75-79.
- Anku, W.W., Oppong, S.O.B., Sukla, S.K., Agorku, E.S. and Govender, P.P., 2016, Cobalt Doped  $\text{ZrO}_2$  Decorated Multiwalled Carbon Nanotube: A Promising Nanocatalyst for Photodegradation of Indigo Carmine and Eosin Y Dyes, *Prog. Nat. Sci.*, 4(26), 1-8.
- Basahel, S.N., Ali T.T., Mokhtar, M. and Narasimharao K., 2015, Influence of Crystal Structure of Nanosized  $\text{ZrO}_2$  on Photocatalytic Degradation of Methyl Orange, *Nanoscale. Res. Lett.*, 10(73), 1-13.
- Botta, S.G., Navío J.A., Hidalgo, M., Restrepo, G.M. and Litter, M.I., 1999, Photocatalytic Properties of  $\text{ZrO}_2$  and Fe/ $\text{ZrO}_2$  Semiconductors Prepared by a Sol-gel Technique, *J. Photochem. Photobiol., A.*, 129, 89-99.
- Chang, S. and Doong, R., 2004, The Effect of Chemical States of Dopants on The Microstructures and Band Gaps of Metal-Doped  $\text{ZrO}_2$  Thin Films at Different Temperatures, *J. Phys. Chem. B.*, 46(108), 18098-18103.
- Chang, Y., Wang, C., Liang, T., Zhao, C., Luo, X., Guo, T., Gong, J. and Wu, H., 2015, Sol-gel Synthesis of Mesoporous Spherical Zirconia, *RSC Adv.*, 5, 104629-104634.
- Garcia, F.L., Resende, V.G., Grave, E.D., Peigney, A., Barnabe, A. and Laurent, C., 2009, Iron-stabilized Nanocrystalline  $\text{ZrO}_2$  Solid Solutions: Synthesis by Combustion and Thermal Stability, *Mater. Res. Bull.*, 44, 1301-1311.
- Gorban, O., Synyakina, S., Volkova, G., Gorban, S., Konstantiova, T. dan Lyubchik, S., 2015, Formation of Metastable Tetragonal Zirconia Nanoparticles; Competitive Influence of The Dopants and Surface State, *J. Solid State Chem.*, 232, 249-255.
- Gurushantha, K., Anantharaju, K.S., Nagabhushana, H., Sharmac, S.C., Vidyad, Y.S., Shivakumarae, C., Nagaswarupaa, H.P., Prashantha, S.C. and Anilkumar, M.R., 2014, Facile Green Fabrication of Iron-Doped Cubic  $\text{ZrO}_2$  Nanoparticles by *Phyllanthus acidus*: Structural, Photocatalytic and Photoluminescent Properties, *J. Mol. Catal. A: Chem.*, 397, 36-47.
- Herrera, G., Montoya, N., Doménech-Carbó, A. and Alarcón, J., 2013, Synthesis, Characterization and Electrochemical Properties of Iron-Zirconia Solid Solution Nanoparticles Prepared Using a Sol-gel Technique, *Phys. Chem. Chem. Phys.*, 15, 19312-19321.
- Jenskin, R., 1999, *X-Ray Fluorescence Spectrometry*, 2<sup>nd</sup> Ed., A Wiley Interscience Publication, New York.
- Karunakaran, C. and Senthilvelan, S., 2005, Photocatalysis with  $\text{ZrO}_2$ : Oxidation of Aniline, *J. Mol. Catal. A: Chem.*, 233, 1-8.
- Kudo, A. and Miseki, Y., 2009, Heterogeneous Photocatalyst Materials for Water Splitting, *Chem. Soc. Rev.*, 38, 253-278.

- Kumar, S., Bhunia, S. and Ojha, A.K., 2015, Effect of Calcination Temperature on Phase Transformation, Structural and Optical Properties of Sol-gel Derived  $\text{ZrO}_2$  Nanostructures, *Physica E.*, 66, 74-80.
- Matos, J.M.E., Cavalcante, L.S., Santos, V., Leal, S.H., Santos Junior, L.S., Santos, M.R.MC. and Longo, E., 2009, Reflux Synthesis and Hydrothermal Processing of  $\text{ZrO}_2$  Nanopowders at Low Temperature, *Mater. Chem. Phys.*, 117, 455-459.
- Matta, J., Lamonier, J.F., Abi-Aad, E., Zhilinskaya, E.A. and Aboukais, A., 1999, Transformation of Tetragonal Zirconia Phase to Monoclinic Phase in the Presence of  $\text{Fe}^{3+}$  Ions as Probes: an EPR Study, *Phys. Chem. Chem. Phys.*, 1, 4975-4980.
- Murase, Y and Kato, E., 1983, Role of Water Vapor Crystallite Growth and Tetragonal-Monoclinic Phase Transformation of  $\text{ZrO}_2$ , *J. Am. Ceram. Soc.*, 66(3), 196-200.
- Navio, J.A., Hidalgo, M.C., Colon, G., Botta, S.G. and Litter, M.I., 2001, Preparation and Physicochemical Properties of  $\text{ZrO}_2$  and  $\text{Fe/ZrO}_2$  by a Sol-gel Technique, *Langmuir.*, 1(17), 201-210.
- Okabayashi, J., Kono, S., Yamada, Y. and Nomura, K., 2011, Fabrication and Magnetic Properties of Fe and Co co-doped  $\text{ZrO}_2$ , *AIP Adv.*, 1, 1-8.
- Patterson, A.L., 1939, The Scherrer Formula for X-ray Particle Size Determination. *Phys. Rev.*, 56, 978-982.
- Perry, D.L., 1997, *Materials Synthesis and Characterization*, Springer US, New York.
- Reddy, V.R., Hwang, D.W. and Lee, J.S., 2003, Photocatalytic Water Splitting over  $\text{ZrO}_2$  Prepared by Precipitation Method, *Korean J. Chem. Eng.*, 20(6), 1026-1029.
- Shu, Z., Jiao, X. and Chen, D., 2013, Hydrothermal Synthesis and Selective Photocatalytic Properties of Tetragonal Star-Like  $\text{ZrO}_2$  Nanostructures, *CrystEngComm.*, 15, 4288-4294.
- Wu, W., Jiang, C. and Roy, V.A.L., 2014, Recent Progress in Magnetic Iron Oxide Semiconductor Composite Nanomaterials as Promising Photocatalysts, *Nanoscale.*, 7, 38-58.
- Xiao, M., Li, Y., Lu, Y. and Ye, Z., 2015, Synthesis of  $\text{ZrO}_2$ :Fe Nanostructures with Visible-Light Driven  $\text{H}_2$  Evolution Activity, *J. Mater. Chem. A.*, 3, 2701-2706.
- Zhang, H., Chen, G. and Bahnemann, D.W., 2009, Photoelectrocatalytic Materials for Environmental Applications., *J. Mater. Chem.*, 19, 5089-5121.