



LIBRARY

COLLEGE OF ENGINEERING AND AGRO-INDUSTRIAL TECHNOLOGY
UNIVERSITY OF THE PHILIPPINES LOS BAÑOS



Dante B. de Padua Hall, Pili Drive, UP Los Baños, College, Laguna, 4031 Philippines
ceatlibrary.uplb@up.edu.ph | <https://library.ceat.uplb.edu.ph/> | +639985362853

RENEWABLE ENERGY SOURCES

Scope Note: Here are entered works on Renewable Energy Sources and other related topics.

Renewable energy is energy derived from natural sources that are replenished at a higher rate than they are consumed. Sunlight and wind, for example, are such sources that are constantly being replenished. Renewable energy sources are plentiful and all around us. (What is renewable energy?. (n.d.) Retrieved Jul 20, 2022 from, <https://www.un.org/en/climatechange/what-is-renewable-energy>)

EBOOKS

Ahmad, K., & Raza, W. (2022). [Perovskite Materials for Energy and Environmental Applications](#). Scrivener Publishing LLC.

Ahmad, M. (2017). [Operation and Control of Renewable Energy Systems](#). John Wiley & Sons, Ltd.

Ahmad, S., Kazim, S., & Grätzel, M. (2022). [Perovskite Solar Cells: Materials, Processes, and Devices](#). Wiley-VCH GmbH.

Altawell, N. (2014). [The Selection Process of Biomass Materials for the Production of Bio-Fuels and Co-firing](#). The Institute of Electrical and Electronics Engineers, Inc.

Anaya-Lara, O., Campos-Gaona, D., Moreno-Goytia, E., & Adam, G. (2014). [Offshore Wind Energy Generation: Control, Protection, and Integration to Electrical Systems](#). John Wiley & Sons, Ltd.

Araneo, R., & Mitolo, M. (2022). [Electrical Safety Engineering of Renewable Energy Systems](#). The Institute of Electrical and Electronics Engineers, Inc.

Bollen, M., & Hassan, F. (2011). [Integration of Distributed Generation in the Power System](#). Institute of Electrical and Electronics Engineers.



LIBRARY

COLLEGE OF ENGINEERING AND AGRO-INDUSTRIAL TECHNOLOGY
UNIVERSITY OF THE PHILIPPINES LOS BAÑOS



Dante B. de Padua Hall, Pili Drive, UP Los Baños, College, Laguna, 4031 Philippines
ceatlibrary.uplb@up.edu.ph | <https://library.ceat.uplb.edu.ph/> | +639985362853

Brabec, C., Scherf, U., & Dyakonov, V. (2014). [Organic Photovoltaics](#). Wiley-VCH Verlag GmbH & Co. KGaA.

Ding, L. (2022). [Organic Solar Cells: Materials Design, Technology and Commercialization](#). WILEY-VCH GmbH.

Duffie, J. A., & Beckman, W. A. (2013). [Solar Engineering of Thermal Processes \(4th ed.\)](#). John Wiley & Sons, Inc.

Duffie, J. A., Beckman, W. A., & Blair, N. (2020). [Solar Engineering of Thermal Processes, Photovoltaics and Wind: Photovoltaics and Wind \(5th ed.\)](#). John Wiley & Sons, Inc.

Ferrari, M. L., Damo, U. M., Turan, A., & Sánchez, D. (2017). [Hybrid Systems Based on Solid Oxide Fuel Cells](#). John Wiley & Sons Ltd.

Fthenakis, V. M., & Lynn, P. A. (2018). [Electricity from Sunlight: Photovoltaic-Systems Integration and Sustainability, Second Edition](#). John Wiley & Sons Ltd.

Fujiwara, H. (2022). [Hybrid Perovskite Solar Cells: Characteristics and Operation](#). Wiley-VCH GmbH.

Hayes, J. G., & Goodarzi, A. G. (2017). [Electric Powertrain: Energy Systems, Power Electronics and Drives for Hybrid, Electric and Fuel Cell Vehicles](#). John Wiley & Sons Ltd.

Heier, S. (2014). [Grid Integration of Wind Energy: Onshore and Offshore Conversion Systems](#). John Wiley & Sons, Ltd.

Hornik, T., & Zhong, Q. (2012). [Control of Power Inverters in Renewable Energy and Smart Grid Integration](#). John Wiley & Sons, Ltd.

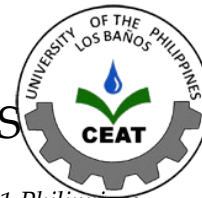
Huenges, E. (2010). [Geothermal Energy Systems: Exploration, Development, and Utilization](#). Wiley-VCH Verlag GmbH & Co. KGaA.



LIBRARY

COLLEGE OF ENGINEERING AND AGRO-INDUSTRIAL TECHNOLOGY

UNIVERSITY OF THE PHILIPPINES LOS BAÑOS



Dante B. de Padua Hall, Pili Drive, UP Los Baños, College, Laguna, 4031 Philippines
ceatlibrary.uplb@up.edu.ph | <https://library.ceat.uplb.edu.ph/> | +639985362853

Inamuddin, I., Ahamed, M. I., Boddula, R., & Rezakazemi, M. (2021). [Fundamentals of Solar Cell Design](#). Scrivener Publishing LLC.

Jiang, S. P., Yan, Y., & Lu, M. (2013). [Materials for High-Temperature Fuel Cells](#). Wiley-VCH Verlag GmbH & Co. KGaA.

Kathiresh, M., Subahani, A. M., & Kanagachidambaresan, G. R. (2021). [Integration of Renewable Energy Sources with Smart Grid](#). Scrivener Publishing LLC.

Keyhani, A., Marwali, M. N., & Dai, M. (2009). [Integration of Green and Renewable Energy in Electric Power Systems](#). John Wiley & Sons, Inc.

Khatib, T., & Elmenreich, W. (2016). [Modeling of Photovoltaic Systems Using MATLAB®: Simplified Green Codes](#). John Wiley & Sons, Inc.

Kim, C., Sood, V. K., Jang, G., Lim, S., & Lee, S. (2009). [HVDC Transmission: Power Conversion Applications in Power Systems](#). John Wiley & Sons (Asia) Pte Ltd.

Ladewig, B., Jiang, S. P., Yan, Y., & Lu, M. (2014). [Materials for Low-Temperature Fuel Cells](#). Wiley-VCH Verlag GmbH & Co. KGaA.

Larminie, J., & Dicks, A. L. (2003). [Fuel Cell Systems Explained, Second Edition](#). John Wiley & Sons Ltd.

Lee, K. Y., & Vale, Z. A. (2020). [Application of Modern Heuristic Optimization Methods in Power and Energy Systems](#). The Institute of Electrical and Electronics Engineers, Inc.

Lund, P. D., Byrne, J., Haas, R., & Flynn, D. (2019). [Advances in Energy Systems: The Large-scale Renewable Energy Integration Challenge](#). John Wiley & Sons Ltd.

Lyatkhher, V. M., & Rahman, Z. (2022). [Wave, Wind, and Current Power Generation](#). Scrivener Publishing LLC.

Ma, J. (2022). [Liquid Electrolyte Chemistry for Lithium Metal Batteries: Design, Mechanisms, Strategies](#). WILEY-VCH GmbH.



LIBRARY

COLLEGE OF ENGINEERING AND AGRO-INDUSTRIAL TECHNOLOGY
UNIVERSITY OF THE PHILIPPINES LOS BAÑOS



Dante B. de Padua Hall, Pili Drive, UP Los Baños, College, Laguna, 4031 Philippines
ceatlibrary.uplb@up.edu.ph | <https://library.ceat.uplb.edu.ph/> | +639985362853

Majumdar, P. (2021). [Design of Thermal Energy Systems](#). John Wiley & Sons Ltd.

Miyasaka, T. (2022). [Perovskite Photovoltaics and Optoelectronics: From Fundamentals to Advanced Applications](#). WILEY-VCH GmbH.

Müller, M. F. (2020). [Indoor Photovoltaics: Materials, Modeling, and Applications](#). Scrivener Publishing LLC.

Ogale, S. B., Venkatesan, V. T., & Blamire, M. (2013). [Functional Metal Oxides: New Science and Novel Applications](#). Wiley-VCH Verlag GmbH & Co. KGaA.

Packer, N. P., & Tarik, T. A. (2018). [Conventional and Alternative Power Generation: Thermodynamics, Mitigation and Sustainability](#). John Wiley & Sons, Ltd.

Pandikumar, A., Jothivenkatachalam, K., & Bhojanaa, K. B. (2019). [Interfacial Engineering in Functional Materials for Dye-Sensitized Solar Cells](#). John Wiley & Sons, Inc.

Priyadarshi, N., Bhoi, A. K., Padmanaban, S., Balamurugan, S., & Holm-Nielsen, J. B. (2022). [Intelligent Renewable Energy Systems](#). Scrivener Publishing LLC.

Qurashi, M. (2014). [Metal Chalcogenide Semiconductor Nanostructures and Their Applications in Renewable Energy](#). Scrivener Publishing LLC.

Rajasekar, R., Moganapriya, C., & Mohankumar, A. (2021). [Materials for Solar Energy Conversion: Materials, Methods and Applications](#). Scrivener Publishing LLC.

Rand, D. A. J., & Dicks, A. L. (2018). [Fuel Cell Systems Explained, Third Edition](#). John Wiley & Sons Ltd.

Sahoo, U. (2021). [Hybrid Renewable Energy Systems](#). Scrivener Publishing LLC.

Sankir, M., & Sankir, N. D. (2017). [Hydrogen Production Technologies](#). Scrivener Publishing LLC.



LIBRARY

COLLEGE OF ENGINEERING AND AGRO-INDUSTRIAL TECHNOLOGY
UNIVERSITY OF THE PHILIPPINES LOS BAÑOS



Dante B. de Padua Hall, Pili Drive, UP Los Baños, College, Laguna, 4031 Philippines
ceatlibrary.uplb@up.edu.ph | <https://library.ceat.uplb.edu.ph/> | +639985362853

Sharifabadi, K., Harnefors, L., Nee, H. P., Teodorescu, R., & Norrga, S. (2016). [Design, Control, and Application of Modular Multilevel Converters for HVDC Transmission Systems.](#) John Wiley & Sons Ltd.

Sharon, M. (2016). [An Introduction to the Physics and Electrochemistry of Semiconductors: Fundamentals and Applications.](#) Scrivener Publishing LLC.

Strangas, E. G., Clerc, G., Razik, H., & Soualhi, A. (2021). [Fault Diagnosis, Prognosis, and Reliability for Electrical Machines and Drives.](#) The Institute of Electrical and Electronics Engineers, Inc.

Tande, J. O., Anaya-Lara, O., Uhlen, K., & Merz, K. (2018). [Offshore Wind Energy Technology.](#) John Wiley & Sons Ltd.

Teodorescu, R., Liserre, M., & Rodriguez, P. (2010). [Grid Converters for Photovoltaic and Wind Power Systems.](#) John Wiley & Sons, Ltd.

Tesfatsion, L. (2020). [A New Swing-Contract Design for Wholesale Power Markets. The Institute of Electrical and Electronics Engineers, Inc.](#) Published 2021 by John Wiley & Sons, Inc.

Vyas, A. K., Balamurugan, S., Hiran, K. K., & Dhiman, H. S. (2022). [Artificial Intelligence for Renewable Energy Systems.](#) Scrivener Publishing LLC.

Wicks, G., Simon, J., Zidan, R., Lara-Curzio, E., Adams, T., Zayas, J., Karkamkar, A., Sindelar, R., & Garcia-Diaz, B. (2010). [Materials Challenges in Alternative and Renewable Energy: Ceramic Transactions, Volume 224.](#) The American Ceramic Society.

Wu, T., & Chen, Y. (2020). [Origin of Power Converters: Decoding, Synthesizing, and Modeling.](#) John Wiley & Sons, Inc.

Xu, D., Blaabjerg, F., Chen, W., & Zhu, N. (2018). [Advanced Control of Doubly Fed Induction Generator for Wind Power Systems.](#) The Institute of Electrical and Electronic Engineers, Inc.



LIBRARY

COLLEGE OF ENGINEERING AND AGRO-INDUSTRIAL TECHNOLOGY
UNIVERSITY OF THE PHILIPPINES LOS BAÑOS



Dante B. de Padua Hall, Pili Drive, UP Los Baños, College, Laguna, 4031 Philippines
ceatlibrary.uplb@up.edu.ph | <https://library.ceat.uplb.edu.ph/> | +639985362853

Xu, Y., Zhang, W., Liu, W., & Yu, W. (2020). [Distributed Energy Management of Electrical Power Systems](#). The Institute of Electrical and Electronics Engineers, Inc. Published 2021 by John Wiley & Sons, Inc.

Yang, Y. (2021). [Hybridized and Coupled Nanogenerators: Design, Performance, and Applications](#). Wiley-VCH GmbH, Boschstr.

Zhang, H., Zhang, X., & Han, M. (2019). [Flexible and Stretchable Triboelectric Nanogenerator Devices: Toward Self-powered Systems](#). Wiley-VCH Verlag GmbH & Co. KGaA.

Zhao, B., Wang, C., & Zhang, X. (2017). [Grid-Integrated and Standalone Photovoltaic Distributed Generation Systems: Analysis, Design, and Control](#). China Electric Power Press.

Zhou, S., & Lu, Z. (2018). [Integration of Large Scale Wind Energy with Electrical Power Systems in China](#). China Electric Power Press.