

REFERENCES

- Aarseth, W., Ahola, T., Aaltonen, K., Økland, A., & Andersen, B. (2017). Project sustainability strategies: A systematic literature review. *International Journal of Project Management*, 35(6), 1071–1083.
<https://doi.org/10.1016/j.ijproman.2016.11.006>
- Abeywickrama, M. G. W. U., Sridarran, P., Gowsiga, M., & Dilogini, R. A. A. (2022). STRATEGIES TO ENHANCE THE APPLICABILITY OF GRID POWER SOLAR NET METERING CONCEPT IN SRI LANKA. In *Proceedings The 10th World Construction Symposium/ June* (p. 757).
- Alharthi, Y. Z., Siddiki, M. K., & Chaudhry, G. M. (2018). Resource assessment and techno-economic analysis of a grid-connected solar PV-wind hybrid system for different locations in Saudi Arabia. *Sustainability*, 10(10), 3690.
- Ali, I., Shafiullah, G. M., & Urmee, T. (2018). A preliminary feasibility of roof-mounted solar PV systems in the Maldives. *Renewable and Sustainable Energy Reviews*, 83, 18-32.
- Alvarez-Dionisi, L. E., Turner, R., & Mitra, M. (2016). Global project management trends. *International Journal of Information Technology Project Management (IJITPM)*, 7(3), 54-73.
- Aly, A., Moner-Girona, M., Szabó, S., Pedersen, A. B., & Jensen, S. S. (2019). Barriers to large-scale solar power in Tanzania. *Energy for Sustainable Development*, 48, 43-58.
- Assessment of Power Sector Reforms in Sri Lanka (ADB). (2015), p. 62
- Azzi, M., Duc, H., & Ha, Q. P. (2015). Toward sustainable energy usage in the power generation and construction sectors—a case study of Australia. *Automation in Construction*, 59, 122-127.

- Babatunde, M. O., Akinbulire, T. O., Oluseyi, P. O., & Emezirinwune, M. U. (2019). Techno-economic viability of off-grid standalone PV-powered LED street lighting system in Lagos, Nigeria. *African Journal of Science, Technology, Innovation and Development*, 11(7), 807-819.
- Bakos, G. C., Soursos, M., & Tsagas, N. F. (2003). Technoeconomic assessment of a building-integrated PV system for electrical energy saving in residential sector. *Energy and buildings*, 35(8), 757-762.
- Berardi, U. (2013). Clarifying the new interpretations of the concept of sustainable building. *Sustainable cities and society*, 8, 72-78.
- Beuse, M., Dirksmeier, M., Steffen, B., & Schmidt, T. S. (2020). Profitability of commercial and industrial photovoltaics and battery projects in South-East-Asia. *Applied Energy*, 271, 115218.
- Board, C. E. (2013). Statistical Unit, “. *Statistical Digest.*”
- Board, C. E. (2016). CEB Statistical Digest. *Ceylon Electricity Board, Colombo.*
- Boote, D. N., & Beile, P. (2005). Scholars before researchers: On the centrality of the dissertation literature review in research preparation. *Educational researcher*, 34(6), 3-15.
- Brent, R. J. (2006). *Applied cost-benefit analysis.* Edward Elgar Publishing.
- Bryman, A. (2012). *Social research methods (5th ed.).* Oxford: Oxford University Press.
- Byrnes, L., Brown, C., Foster, J., & Wagner, L. D. (2013). Australian renewable energy policy: Barriers and challenges. *Renewable Energy*, 60, 711-721.
- Cai, Y., Wang, W. W., Liu, C. W., Ding, W. T., Liu, D., & Zhao, F. Y. (2020). Performance evaluation of a thermoelectric ventilation system driven by the

concentrated photovoltaic thermoelectric generators for green building operations. *Renewable Energy*, 147, 1565-1583.

Candanedo, J. A., & Athienitis, A. K. (2009, October). A systematic approach for energy design of advanced solar houses. In 2009 IEEE Electrical Power & Energy Conference (EPEC) (pp. 1-6). IEEE.

Chen, X., & Qi, C. (2014). Nonlinear neighbor embedding for single image super-resolution via kernel mapping. *Signal processing*, 94, 6-22.

Child, M., Haukkala, T., & Breyer, C. (2017). The role of solar photovoltaics and energy storage solutions in a 100% renewable energy system for Finland in 2050. *Sustainability*, 9(8), 1358.

Cho, K., Qu, Y., Kwon, D., Zhang, H., Cid, C. A., Aryanfar, A., & Hoffmann, M. R. (2014). Effects of anodic potential and chloride ion on overall reactivity in electrochemical reactors designed for solar-powered wastewater treatment. *Environmental science & technology*, 48(4), 2377-2384.

Choi, Y., Rayl, J., Tammineedi, C., & Brownson, J. R. (2011). PV Analyst: Coupling ArcGIS with TRNSYS to assess distributed photovoltaic potential in urban areas. *Solar Energy*, 85(11), 2924-2939.

Chopra, K. L., Paulson, P. D., & Dutta, V. (2004). Thin-film solar cells: an overview. *Progress in Photovoltaics: Research and applications*, 12(2-3), 69-92.

Chowdhury, M. S., Rahman, K. S., Chowdhury, T., Nuthammachot, N., Techato, K., Akhtaruzzaman, M., & Amin, N. (2020). An overview of solar photovoltaic panels' end-of-life material recycling. *Energy Strategy Reviews*, 27, 100431.

Ciarreta, A., Espinosa, M. P., & Pizarro-Irizar, C. (2014). Is green energy expensive? Empirical evidence from the Spanish electricity market. *Energy Policy*, 69, 205-215.

- Clement, C., Edwards, S. L., Rapport, F., Russell, I. T., & Hutchings, H. A. (2018). Exploring qualitative methods reported in registered trials and their yields (EQUITY): systematic review. *Trials*, 19(1), 1-8.
- Compagnon, R. (2004). Solar and daylight availability in the urban fabric. *Energy and buildings*, 36(4), 321-328.
- Contreras-Lisperguer, R., Muñoz-Cerón, E., Aguilera, J., & de la Casa, J. (2017). Cradle-to-cradle approach in the life cycle of silicon solar photovoltaic panels. *Journal of Cleaner Production*, 168, 51-59.
- Corbin, J., & Strauss, A. (2014). *Basics of qualitative research: Techniques and procedures for developing grounded theory*. Sage publications.
- Crawley, D. B., Lawrie, L. K., Winkelmann, F. C., Buhl, W. F., Huang, Y. J., Pedersen, C. O., ... & Glazer, J. (2001). EnergyPlus: creating a new-generation building energy simulation program. *Energy and buildings*, 33(4), 319-331.
- Creswell, J W (2014). *Research design*. 4th ed. London: SAGE Publications Ltd.
- Danthurebandara, M., & Rajapaksha, L. (2019). Environmental consequences of different electricity generation mixes in Sri Lanka by 2050. *Journal of Cleaner Production*, 210, 432-444.
- Das, U. K., Tey, K. S., Seyedmahmoudian, M., Mekhilef, S., Idris, M. Y. I., Van Deventer, W., ... & Stojcevski, A. (2018). Forecasting of photovoltaic power generation and model optimization: A review. *Renewable and Sustainable Energy Reviews*, 81, 912-928.
- Devabhaktuni, V., Alam, M., Depuru, S. S. S. R., Green II, R. C., Nims, D., & Near, C. (2013). Solar energy: Trends and enabling technologies. *Renewable and Sustainable Energy Reviews*, 19, 555-564.

- Dhinakaran, R., Muraliraja, R., Elansezhian, R., Baskar, S., Satish, S., & Shaisundaram, V. S. (2020). Utilization of solar resources using phase change material assisted solar water heaters and the influence of nano filler. *Materials Today: Proceedings*.
- Ding, C., Feng, W., Li, X., & Zhou, N. (2019). Urban-scale building energy consumption database: a case study for Wuhan, China. *Energy Procedia*, 158, 6551-6556.
- Do, T. N., Burke, P. J., Baldwin, K. G., & Nguyen, C. T. (2020). Underlying drivers and barriers for solar photovoltaics diffusion: The case of Vietnam. *Energy Policy*, 144, 111561.
- Dubois, A., & Gadde, L. E. (2002). Systematic combining: an abductive approach to case research. *Journal of business research*, 55(7), 553-560.
- Durrheim, K. (2006). Research design. *Research in practice: Applied methods for the social sciences*, 2, 33-59.
- Edenhofer, O., Pichs-Madruga, R., Sokona, Y., Seyboth, K., Kadner, S., Zwickel, T., & Matschoss, P. (Eds.). (2011). *Renewable energy sources and climate change mitigation: Special report of the intergovernmental panel on climate change*. Cambridge University Press.
- Edum-Fotwe, F. T., & McCaffer, R. (2000). Developing project management competency: perspectives from the construction industry. *International journal of project management*, 18(2), 111-124.
- Eker, B. (2005). Solar powered water pumping systems. *Trakia Journal of Sciences*, 3(7), 7-11.
- Eleftheriadis, I. M., & Anagnostopoulou, E. G. (2015). Identifying barriers in the diffusion of renewable energy sources. *Energy Policy*, 80, 153-164.

- Energy Information Administration (EIA), Commercial Buildings Energy Consumption Survey (CBECS). (<http://www.eia.gov/emeu/efficiency/reports.html>)
- Energy Information Administration (US). (2012). *Annual energy review 2011*. Government Printing Office.
- Energy, R. (2010). Energy efficiency trends in residential and commercial buildings.
- Esfahani, S. K., Karrech, A., Cameron, R., Elchalakani, M., Tenorio, R., & Jerez, F. (2020). Optimizing the solar energy capture of residential roof design in the southern hemisphere through Evolutionary Algorithm. *Energy and Built Environment*.
- Fan, Y., Zhao, X., Li, J., Li, G., Myers, S., Cheng, Y., & Ma, X. (2020). Economic and environmental analysis of a novel rural house heating and cooling system using a solar-assisted vapour injection heat pump. *Applied Energy*, 275, 115323.
- Farid, M. M., Khudhair, A. M., Razack, S. A. K., & Al-Hallaj, S. (2004). A review on phase change energy storage: materials and applications. *Energy conversion and management*, 45(9-10), 1597-1615.
- Fathi, S., Srinivasan, R., Fenner, A., & Fathi, S. (2020). Machine learning applications in urban building energy performance forecasting: A systematic review. *Renewable and Sustainable Energy Reviews*, 133, 110287.
- Feng, C., Zheng, H., Wang, R., Yu, X., & Su, Y. (2015). A novel solar multifunctional PV/T/D system for green building roofs. *Energy Conversion and Management*, 93, 63-71.
- Fox, P. W., Fong, S. W., Hills, M. J., Skitmore, R. M., & Hon, C. K. H. (2008). *Building the future: the strength of Hong Kong's construction industry*.

- Fthenakis, V. (2009). Sustainability of photovoltaics: The case for thin-film solar cells. *Renewable and Sustainable Energy Reviews*, 13(9), 2746-2750.
- Gall, M. D., Borg, W. R., & Gall, J. P. (1996). *Educational research: An introduction*. Longman Publishing.
- Garbharran, H., Govender, J., & Msani, T. (2012). Critical success factors influencing project success in the construction industry. *Acta structilia*, 19(2), 90-108.
- Gary, D E (2004). *Doing research in the real world*. London: Sage Publications.
- Geekiyana, D., & Ramachandra, T. (2018). A model for estimating cooling energy demand at early design stage of condominiums. *Journal of Building Engineering*, 17, 43-51.
- Ghenai, C., Salameh, T., & Merabet, A. (2020). Technico-economic analysis of off grid solar PV/Fuel cell energy system for residential community in desert region. *International Journal of Hydrogen Energy*, 45(20), 11460-11470.
- Goud, M., Reddy, M. V. V., Chandramohan, V. P., & Suresh, S. (2019). A novel indirect solar dryer with inlet fans powered by solar PV panels: drying kinetics of Capsicum Annum and Abelmoschus esculentus with dryer performance. *Solar Energy*, 194, 871-885.
- Grätzel, M. (2009). Recent advances in sensitized mesoscopic solar cells. *Accounts of chemical research*, 42(11), 1788-1798.
- Haas, R., Biermayr, P., Zöchling, J., & Auer, H. (1998). Impacts on electricity consumption of household appliances in Austria: a comparison of time series and cross-section analyses. *Energy policy*, 26(13), 1031-1040.
- Häkkinen, T., & Belloni, K. (2011). Barriers and drivers for sustainable building. *Building Research & Information*, 39(3), 239-255.

- Haukkala, T. (2015). Does the sun shine in the High North? Vested interests as a barrier to solar energy deployment in Finland. *Energy research & social science*, 6, 50-58.
- Hernandez, R. R., Easter, S. B., Murphy-Mariscal, M. L., Maestre, F. T., Tavassoli, M., Allen, E. B., ... & Allen, M. F. (2014). Environmental impacts of utility-scale solar energy. *Renewable and sustainable energy reviews*, 29, 766-779.
- Hirt, S. (2015). The rules of residential segregation: US housing taxonomies and their precedents. *Planning Perspectives*, 30(3), 367-395.
- Hlal, M. I., Ramachandaramurthy, V. K., Sarhan, A., Pouryekta, A., & Subramaniam, U. (2019). Optimum battery depth of discharge for off-grid solar PV/battery system. *Journal of Energy Storage*, 26, 100999.
- Horst, G. P., Levine, R. B., LeBrun, J. R., & Bleyer, J. (2014). U.S. Patent Application No. 14/211,100.
- Hwang, B. G., & Tan, J. S. (2012). Green building project management: obstacles and solutions for sustainable development. *Sustainable development*, 20(5), 335-349.
- Irfan, M., Zhao, Z. Y., Ahmad, M., & Rehman, A. (2019). A techno-economic analysis of off-grid solar PV system: A case study for Punjab Province in Pakistan. *Processes*, 7(10), 708.
- ISO 12655: 2013 Energy performance of buildings - presentation of measured energy use of buildings
- Jensen, S. G., & Skytte, K. (2002). Interactions between the power and green certificate markets. *Energy policy*, 30(5), 425-435.
- Jilcha, Kassu. (2019). Research Design and Methodology. 10.5772/intechopen.85731.

- Kabir, S.M.S. (2016). *Basic Guidelines for Research: An Introductory Approach for All Disciplines*. Book Zone Publication, ISBN: 978-984-33-9565-8, Chittagong-4203, Bangladesh.
- Kagioglou, M., Cooper, R., Aouad, G., & Sexton, M. (2000). Rethinking construction: the generic design and construction process protocol. *Engineering, construction and architectural management*.
- Kaiser, B., Eagan, P. D., & Shaner, H. (2001). Solutions to health care waste: life-cycle thinking and "green" purchasing. *Environmental Health Perspectives*, 109(3), 205-207.
- Kalogirou, S. A. (2013). *Solar energy engineering: processes and systems*. Academic Press.
- Kandt, A., Burman, K., & Simpkins, T. (2010). *Solar 2010: Comparative Analysis of Solar Mapping Tools* (No. NREL/CP-7A4-47638). National Renewable Energy Lab. (NREL), Golden, CO (United States).
- Kang, D., Lee, C., & Stewart, I. W. (2016, January). DIS event shape at N3LL. In *XXIII International Workshop on Deep-Inelastic Scattering* (Vol. 247, p. 142). SISSA Medialab.
- Kannan, N., & Vakeesan, D. (2016). Solar energy for future world: -A review. *Renewable and Sustainable Energy Reviews*, 62, 1092-1105.
- Kawajiri, K., Oozeki, T., & Genchi, Y. (2011). Effect of temperature on PV potential in the world. *Environmental Science & Technology*, 45(20), 9030-9035.
- Kayali, H., & Alibaba, H. (2017). *Comparison of Different Solar Thermal Energy Collectors and Their Integration Possibilities in Architecture*.

- Kenneth, Z., & Paul, H. (1984). *Basic photovoltaic principles and methods*. New York: Van Nosstrand Reinhold Company.
- Kershman, S. A., Rheinländer, J., & Gabler, H. (2003). Seawater reverse osmosis powered from renewable energy sources-hybrid wind/photovoltaic/grid power supply for small-scale desalination in Libya. *Desalination*, 153(1-3), 17-23.
- Kivilä, J., Martinsuo, M., & Vuorinen, L. (2017). Sustainable project management through project control in infrastructure projects. *International Journal of Project Management*, 35(6), 1167–1183.
<https://doi.org/10.1016/j.ijproman.2017.02.009>
- Kothari, C R (2004) *Research methodology; methods and techniques*. 2nd ed. New Delhi: New Age International (Pvt) Ltd.
- Krebs, F. C., Tromholt, T., & Jørgensen, M. (2010). Upscaling of polymer solar cell fabrication using full roll-to-roll processing. *Nanoscale*, 2(6), 873-886.
- Kubba, S. (2010). *Green construction project management and cost oversight*. Butterworth-Heinemann.
- Kumanayake, R., Luo, H., & Paulusz, N. (2018). Assessment of material related embodied carbon of an office building in Sri Lanka. *Energy and Buildings*, 166, 250-257.
- Kumar, B. S., & Sudhakar, K. (2015). Performance evaluation of 10 MW grid connected solar photovoltaic power plant in India. *Energy reports*, 1, 184-192.
- Kumar, S. S., Bibin, C., Akash, K., Aravindan, K., Kishore, M., & Magesh, G. (2020). Solar powered water pumping systems for irrigation: A comprehensive review

on developments and prospects towards a green energy approach. *Materials Today: Proceedings*.

Lesser, J. A., & Su, X. (2008). Design of an economically efficient feed-in tariff structure for renewable energy development. *Energy policy*, 36(3), 981-990.

Li, J. (2014). U.S. Patent No. 8,624,103. Washington, DC: U.S. Patent and Trademark Office.

Li, Y., & Liu, C. (2017). Estimating solar energy potentials on pitched roofs. *Energy and Buildings*, 139, 101-107.

Libal, J., Kopecek, R., Roever, I., & Wambach, K. (2007, September). Record efficiencies of solar cells based on n-type multicrystalline silicon. In *Proceedings of the 22th European Photovoltaic Solar Energy Conference* (pp. 1382-1386).

Liu, Y., Hong, Z., Zhu, J., Yan, J., Qi, J., & Liu, P. (2018). Promoting green residential buildings: Residents' environmental attitude, subjective knowledge, and social trust matter. *Energy Policy*, 112, 152-161.

Lukka, K., & Modell, S. (2010). Validation in interpretive management accounting research. *Accounting, organizations and society*, 35(4), 462-477.

Mandell, M. J., Davis, V. A., Cooke, D. L., Wheelock, A. T., & Roth, C. J. (2006). Nascap-2k spacecraft charging code overview. *IEEE Transactions on Plasma Science*, 34(5), 2084-2093.

Mangiante, M. J., Whung, P. Y., Zhou, L., Porter, R., Cepada, A., Campirano Jr, E., & Torres, M. (2020). Economic and technical assessment of rooftop solar photovoltaic potential in Brownsville, Texas, USA. *Computers, Environment and Urban Systems*, 80, 101450.

- Margolis, R., & Zuboy, J. (2006). Nontechnical barriers to solar energy use: review of recent literature.
- Melnikovas, A. (2018). Towards an explicit research methodology: Adapting research onion model for futures studies. *Journal of Futures Studies*, 23(2), 29-44.
- Menanteau, P., Finon, D., & Lamy, M. L. (2003). Prices versus quantities: choosing policies for promoting the development of renewable energy. *Energy policy*, 31(8), 799-812.
- Mendis, T., Huang, Z., Xu, S., & Zhang, W. (2020). Economic potential analysis of photovoltaic integrated shading strategies on commercial building facades in urban blocks: A case study of Colombo, Sri Lanka. *Energy*, 194, 116908.
- Mingers, J. (2006). *Realising Systems Thinking: Knowledge and Action in Management Science*. New York: Springer.
- Minuto, F. D., Lazzeroni, P., Borchiellini, R., Olivero, S., Bottaccioli, L., & Lanzini, A. (2020). Modeling technology retrofit scenarios for the conversion of condominium into an energy community: An Italian case study. *Journal of Cleaner Production*, 124536.
- Moadab, N. H., Olsson, T., Fischl, G., & Aries, M. (2021). Smart versus conventional lighting in apartments-Electric lighting energy consumption simulation for three different households. *Energy and Buildings*, 244, 111009.
- Mohamed, S. A., Al-Sulaiman, F. A., Ibrahim, N. I., Zahir, M. H., Al-Ahmed, A., Saidur, R., & Sahin, A. Z. (2017). A review on current status and challenges of inorganic phase change materials for thermal energy storage systems. *Renewable and Sustainable Energy Reviews*, 70, 1072-1089.
- Molis, A. (2008). Bendrosios ES saugumo ir gynybos politikos plėtros scenarijų tyrimas. Doctoral dissertation. Vilnius: Vilnius university

- Morthorst, P. E. (2000). The development of a green certificate market. *Energy policy*, 28(15), 1085-1094.
- Mughal, S., Sood, Y. R., & Jarial, R. K. (2018). A review on solar photovoltaic technology and future trends. *International Journal of Scientific Research in Computer Science, Engineering and Information Technology*, 4(1), 227-235.
- Musa, M. F., Mohammad, M. F., Yusof, M. R., & Mahbub, R. (2017). Adopting Green and Sustainable Building Approaches. In *Engineering and Technical Development for a Sustainable Environment* (pp. 55-69). Apple Academic Press.
- Naoum, S G (2007) Dissertation research and writing for construction students. 2nd Ed. UK: Butterworth-Heinemann.
- Niemets, K., Kravchenko, K., Kandyba, Y., Kobylin, P., & Morar, C. (2021). World cities in terms of the sustainable development concept.
- NREL, N. (2019). Best research-cell efficiencies.
- Nweke, E., & Orji, N. (2009). A Handbook of Political Science. Abakaliki: Department of Political Science, Ebonyi State University.
- Painuly, J. P. (2001). Barriers to renewable energy penetration; a framework for analysis. *Renewable energy*, 24(1), 73-89.
- Panwar, N. L., Kaushik, S. C., & Kothari, S. (2011). Role of renewable energy sources in environmental protection: A review. *Renewable and sustainable energy reviews*, 15(3), 1513-1524.
- Parida, B., Iniyani, S., & Goic, R. (2011). A review of solar photovoltaic technologies. *Renewable and sustainable energy reviews*, 15(3), 1625-1636.

- Pérez-Lombard, L., Ortiz, J., & Pout, C. (2008). A review on buildings energy consumption information. *Energy and buildings*, 40(3), 394-398.
- Pielichowska, K., & Pielichowski, K. (2014). Progress in materials science. *J Prog Mater Sci*, 65, 67-123.
- Praveen, R. P. (2020). Performance analysis and optimization of central receiver solar thermal power plants for utility scale power generation. *Sustainability*, 12(1), 127.
- Qin, J., Hu, E., & Li, X. (2020). Solar aided power generation: a review. *Energy and Built Environment*, 1(1), 11-26.
- Raithatha, Y. (2017). Understanding the economic impact terrorism has on the destination decision making: Northern Irish tourists (Doctoral dissertation, Dublin Business School).
- Rajapaksha, I., Hyde, R., & Rajapaksha, U. (2010). A modelling appraisal of design standards in retrofitting a high-rise office building in Brisbane. In 44th Annual Conference of the Australian and New Zealand Architectural Science Association (ANZAScA 2010).
- Randolph, J. (2009). A guide to writing the dissertation literature review. *Practical Assessment, Research, and Evaluation*, 14(1), 13.
- Redweik, P., Catita, C., & Brito, M. (2013). Solar energy potential on roofs and facades in an urban landscape. *Solar Energy*, 97, 332-341.
- Rehman, S., Bader, M. A., & Al-Moallem, S. A. (2007). Cost of solar energy generated using PV panels. *Renewable and sustainable energy reviews*, 11(8), 1843-1857.

- Renné, D., George, R., Marion, B., Heimiller, D., & Gueymard, C. (2003). Solar resource assessment for Sri Lanka and Maldives (No. NREL/TP-710-34645). National Renewable Energy Lab. (NREL), Golden, CO (United States).
- Rizi, A. P., Ashrafzadeh, A., & Ramezani, A. (2019). A financial comparative study of solar and regular irrigation pumps: Case studies in eastern and southern Iran. *Renewable Energy*, *138*, 1096-1103.
- Rozentale, L., Lauka, D., & Blumberga, D. (2018). Accelerating power generation with solar panels. Case in Latvia. *Energy Procedia*, *147*, 600-606.
- Ruggiero, S., Varho, V., & Rikkonen, P. (2015). Transition to distributed energy generation in Finland: Prospects and barriers. *Energy Policy*, *86*, 433-443.
- Runge, T. H., & Downie, B. M. (2014). U.S. Patent No. 8,862,275. Washington, DC: U.S. Patent and Trademark Office.
- Sahay, A. (2016). Peeling Saunder's research onion. *Research Gate, Art*, 1-5.
- Salih, K. T. (2018). Finding Alternative Methods for Controlling the Power Shortage in Kurdistan through Improving Buildings' Energy Performance. *Academic Journal of Nawroz University*, *7*(4), 124-132.
- Sallam, Y. I., Aly, M. H., Nassar, A. F., & Mohamed, E. A. (2015). Solar drying of whole mint plant under natural and forced convection. *Journal of Advanced Research*, *6*(2), 171-178.
- Sansaniwal, S. K., Sharma, V., & Mathur, J. (2018). Energy and exergy analyses of various typical solar energy applications: A comprehensive review. *Renewable and Sustainable Energy Reviews*, *82*, 1576-1601.
- Saretta, E., Caputo, P., & Frontini, F. (2019). A review study about energy renovation of building facades with BIPV in urban environments. *Sustainable Cities and Society*, *44*, 343-355.

- Saunders, M., Lewis, P., & Thornhill, A. (2009). *Research methods for business students*. Pearson education.
- Sawin, J. L., Sverrisson, F., & Rickerson, W. (2014). *Renewables 2014 global status report*. Renewable Energy Policy Network for the, 21.
- Sayer, A. (2010). *Method in social science: revised 2nd edition*. Routledge.
- Schock, H. W. (1996). Thin film photovoltaics. *Applied surface science*, 92, 606-616.
- Sellitz, C., & Jahoda, D. (1995). M. and Cook, SW (1967) *Research methods in social relations*. Hoslt. Riveharat & Winston, New York.
- Sev, A. (2009). How can the construction industry contribute to sustainable development? A conceptual framework. *Sustainable Development*, 17(3), 161-173.
- Sheikh, N. M. (2008, March). Efficient utilization of solar energy for domestic applications. In 2008 Second International Conference on Electrical Engineering (pp. 1-3). IEEE.
- Shen, C., Zhao, K., Ge, J., & Zhou, Q. (2019). Analysis of building energy consumption in a hospital in the hot summer and cold winter area. *Energy Procedia*, 158, 3735-3740.
- Slooff, L. H., van Roosmalen, J. A. M., Okel, L. A. G., de Vries, T., Minderhoud, T., Gijzen, G., & de Vries, F. (2017). An architectural approach for improving aesthetics of PV. *EUPVSEC*, 25, 29.
- Stauch, A., & Vuichard, P. (2019). Community solar as an innovative business model for building-integrated photovoltaics: An experimental analysis with Swiss electricity consumers. *Energy and Buildings*, 204, 109526.

- Steffen, B., Matsuo, T., Steinemann, D., & Schmidt, T. S. (2018). Opening new markets for clean energy: The role of project developers in the global diffusion of renewable energy technologies. *Business and Politics*, 20(4), 553-587.
- Stemler, S. E. (2015). Content analysis. *Emerging trends in the social and behavioral sciences: An Interdisciplinary, Searchable, and Linkable Resource*, 1-14.
- Streltsov, A., Malof, J. M., Huang, B., & Bradbury, K. (2020). Estimating residential building energy consumption using overhead imagery. *Applied Energy*, 280, 116018.
- Swamy, D. K., Rajesh, G., Pooja, M. J. K., & Krishna, A. R. (2013). Microcontroller based drip irrigation system. *International Journal of Emerging Science and Engineering*, 1(6), 1-4.
- Swan, L. G., & Ugursal, V. I. (2009). Modeling of end-use energy consumption in the residential sector: A review of modeling techniques. *Renewable and sustainable energy reviews*, 13(8), 1819-1835.
- Tabassi, A. A., Argyropoulou, M., Roufehaei, K. M., & Argyropoulou, R. (2016). Leadership behavior of project managers in sustainable construction projects. *Procedia computer science*, 100, 724-730.
- Tillmans, A., & Schweizer-Ries, P. (2011). Knowledge communication regarding solar home systems in Uganda: The consumers' perspective. *Energy for Sustainable Development*, 15(3), 337-346.
- Toğrul, İ. T., & Pehlivan, D. (2003). The performance of a solar air heater with conical concentrator under forced convection. *International journal of thermal sciences*, 42(6), 571-581.
- Trochim, W.M.K. (2006). Research methods knowledge base. Retrieved on January 25, 2010

- Tyagi, V. V., Rahim, N. A., Rahim, N. A., Jeyraj, A., & Selvaraj, L. (2013). Progress in solar PV technology: Research and achievement. *Renewable and sustainable energy reviews*, 20, 443-461.
- U.S. Energy Information Administration | International Energy Outlook 2016, chapter 6, Energy consumption.
- Uddin, M. R., Mahmud, S., Salehin, S., Bhuiyan, M. A. A., Riaz, F., Modi, A., & Salman, C. A. (2021). Energy analysis of a solar driven vaccine refrigerator using environment-friendly refrigerants for off-grid locations. *Energy Conversion and Management: X*, 11, 100095.
- Wang, J., Han, Z., & Guan, Z. (2020). Hybrid solar-assisted combined cooling, heating, and power systems: A review. *Renewable and Sustainable Energy Reviews*, 133, 110256.
- Wijesinghe, J. K., Najim, M. Y., Fernando, G. L., & Liyanage, M. H. (2020, October). Economic Viability of Solar PV for Domestic Applications in a Middle-Income Country: A case Study of Sri Lanka. In *2020 International Conference and Utility Exhibition on Energy, Environment and Climate Change (ICUE)* (pp. 1-10). IEEE.
- Wijayatunga, P. D. (2014). Regulation for renewable energy development: Lessons from Sri Lanka experience. *Renewable energy*, 61, 29-32.
- Wu, Z., Hou, A., Chang, C., Huang, X., Shi, D., & Wang, Z. (2014). Environmental impacts of large-scale CSP plants in northwestern China. *Environmental Science: Processes & Impacts*, 16(10), 2432-2441.
- Xie, B. C., Zhai, J. X., Sun, P. C., & Ma, J. J. (2020). Assessment of energy and emission performance of a green scientific research building in Beijing, China. *Energy and Buildings*, 224, 110248.

- Xu, L., Wang, Y., Solangi, Y. A., Zameer, H., & Shah, S. A. A. (2019). Off-grid solar PV power generation system in Sindh, Pakistan: a techno-economic feasibility analysis. *Processes*, 7(5), 308.
- Yu, T., Shi, Q., Zuo, J., & Chen, R. (2018). Critical factors for implementing sustainable construction practice in HOPSCA projects: A case study in China. *Sustainable Cities and Society*, 37, 93–103. <https://doi.org/10.1016/j.scs.2017.11.008>
- Zhao, Z., Houchati, M., & Beitelmal, A. (2017). An Energy Efficiency Assessment of the Thermal Comfort in an Office building. *Energy Procedia*, 134, 885-893.
- Žukauskas, P., Vveinhardt, J., & Andriukaitienė, R. (2018). Philosophy and paradigm of scientific research. *Management Culture and Corporate Social Responsibility*, 121.