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REFERENCES

- Bureau of Energy, Ministry of Economic Affairs, Taiwan [BOE] (2017).

 Energy Statistical Monthly Report (2017.5.23 updated). < https://www.moeaboe.gov.tw/ECW/populace/web_book/WebReports. aspx?book=M_CH&menu_id=142>, 06/10/2017 referred. (Written in traditional Chinese)
- Chen, H.P. (2015). Green Technology and Local Use: An Analysis of the Photovoltaic Socio-Technical Networks in Taiwan. Doctoral Dissertation. Department of Sociology, College of Social Science, National Taiwan University, (Written in traditional Chinese)
- Chen, Y. C. (2018). Does the electricity market reform indicate a true energy transition? An analysis of the 2017 Electricity Act Amendments in Taiwan. International Public Economy Studies (『国際公共経済研究』), No. 29. (forthcoming)
- Chiang, W.C. (2008). Chasing the wind: The evolution of Taiwan's wind power development. Energy Monthly (May 2008).
 http://energymonthly.tier.org.tw/outdatecontent.asp?ReportIssue=2
 00805&Page=5>, 04/05/2016 referred. (Written in traditional Chinese)
- Chou, K. T. (2017). Sociology of Climate Change: High Carbon Society and Its Transformation Challenge. Taipei: National Taiwan University Press. (Written in traditional Chinese)
- Elzen, B., Geels, F. W., & Green, K. (2004). System innovation and the transition to sustainability: theory, evidence and policy. Edward Elgar Publishing.
- Geels, F. W. (2002). Technological transitions as evolutionary reconfiguration processes: a multi-level perspective and a case-study. *Research Policy*, 31(8), 1257-1274.
- Geels, F. W. (2004). From sectoral systems of innovation to socio-technical systems: Insights about dynamics and change from sociology and institutional theory. Research Policy, 33(6-7), 897-920.
- Geels, F. W. (2011). The multi-level perspective on sustainability transitions: Responses to seven criticisms. *Environmental Innovation* and Societal Transitions, 1(1), 24-40.
- Geels, F. W., & Schot, J. (2010). The Dynamics of Transitions: A Socio-Technical Perspective. In J. Grin, J. Rotmans, & J. W. Schot (Eds.), "Transitions to Sustainable Development: New Directions in the Study of Long Term Transformative Change" (pp. 9-101). New York: Routledge.
- Geels, F. W., Kern, F., Fuchs, G., Hinderer, N., Kungl, G., Mylan, J., . . . Wassermann, S. (2016). The enactment of socio-technical transition pathways: a reformulated typology and a comparative multi-level analysis of the German and UK low-carbon electricity transitions (1990–2014). Research Policy, 45(4), 896-913.
- Hindmarsh, R. A., & Priestley, R. (2016). The Fukushima effect: a new geopolitical terrain. New York: Routledge.

- Ho, M. S. (2001). The beginning of Taiwan's environmental movements: Experts, outside-the-party, grassroots (1980-1986). *Taiwanese Sociology* (2), pp.97-162. (Written in traditional Chinese)
- Ho, M. S. (2002). Why did the DPP's government's anti-nuclear policy fail? An analysis of social mobilization, reform opportunity and political strategy. *The Taiwanese Political Science Review* (6) 86-137. (Written in traditional Chinese)
- Ho, M. S. (2016). Fukushima effect in Taiwan: An explanation of the resurgence of anti-nuclear movements in recent years. In Chou, K. T. ed. "Sustainability and Green Governance." pp. 123-155. Taipei: Risk Society and Policy Research Center, National Taiwan University. (Written in traditional Chinese)
- Ho, M. S. (2018). Taiwan's anti-nuclear movement: The making of a militant citizen movement. *Journal of Contemporary Asia*, 48(3), 445-464.
- Hsu, J.-Y., Chao, C. L., Tsao, Y. H., & Huang, Y. C. (1995). A Comparative Study of Energy Policies and Their Effects between Taiwan, Japan and the United States. Taipei: Research, Development and Evaluation Commission, Executive Yuan. (Written in traditional Chinese)
- Kang, C. C., Yang, H. J., Wang, M.-C., Shih, K., & Chen, C. Y. (2017).
 2017 Emerging Energy Industry Yearbook. Hsinchu: Industrial Economics & Knowledge Center, Industrial Technology Research Institute. (Written in traditional Chinese)
- Lockwood, M. (2015). The political dynamics of green transformations: Feedback effects and institutional context. In I. Scoones, M. Leach, & P. Newell (Eds.), "The Politics of Green Transformations" (pp. 86-101). London: Routledge.
- Lockwood, M., Kuzemko, C., Mitchell, C., & Hoggett, R. (2013).
 Theorising governance and innovation in sustainable energy transitions. University of Exeter.
- Moallemi, E. A., de Haan, F. J., Webb, J. M., George, B. A., & Aye, L. (2017). Transition dynamics in state-influenced niche empowerments: Experiences from India's electricity sector. *Technological Forecasting and Social Change*, 116, 129-141.
- Mori, A. (2017). Temporal dynamics of infrasystem transition: The case of electricity system transition in Japan. *Technological Forecasting* and Social Change.
- Mori, A. (2018). Socio-technical and political economy perspectives in the Chinese energy transition. *Energy Research & Social Science*, 35, 28-36.
- Shen, T. J. (2001). Political Democratization and Liberalization in Taiwan. In State and Society: An Empirical Analysis of the Republic of China. New Taipei City: Weber Publisher. (Written in traditional Chinese)
- Suzuki, R. (2017, January 11). Taiwan: "Phase-out of Nuclear Power Act"

【環境情報科学学術研究論文集 32】

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passed. Significantly increase the ratio of renewables. Mainichi Newspaper:

https://mainichi.jp/articles/20170111/k00/00m/030/065000c,

08/12/2017 referred. (Written in Japanese)

Taiwan Power Company [Taipower]. (2017). About Taipower: History and development. https://www.taipower.com.tw/tc/page.aspx?mid=33, referred 03/20/2018. (Written in traditional Chinese)

Tseng, Y. J. (2015). An Analysis of Taiwan's Energy Transition Challenge (2008 to 2015). Master Thesis. Graduate Institute of National Development, College of Social Science, National Taiwan University. (Written in traditional Chinese)

Van Driel, H., & Schot, J. (2005). Radical innovation as a multilevel process: introducing floating grain elevators in the port of Rotterdam. *Technology and Culture*, 46(1), 51-76.

Verbong, G., & Geels, F. (2007). The ongoing energy transition: lessons from a socio-technical, multi-level analysis of the Dutch electricity system (1960–2004). *Energy Policy*, 35(2), 1025-1037.

Verbong, G., & Loorbach, D. (2012). Introduction. In G. Verbong & D. Loorbach (Eds.), "Governing the energy transition: reality, illusion or necessity?" (pp. 1-23). New York: Routledge.

Wieczorek, A. J. (2018). Sustainability transitions in developing countries: Major insights and their implications for research and policy. Environmental Science & Policy, 84, 204-216.