

Selección bibliográfica

- ACCENTURE (2023). *Total Enterprise Reinvention. The strategy that leads to a new performance frontier*
- ACCENTURE (2013). *Accenture Technology Vision 2013*
- ACCENTURE (2022). *Keeping an eye on methane emissions. Case Study Duke Energy*
- ACER (2022). *Network Code on sector-specific rules for cybersecurity aspects of crossborder electricity flows (NCCS)*
- AEDIVE (2023). *Anuario de la Movilidad Eléctrica 2022-2023*
- AMERICA'S ARMY (2019). *Ready Now, Investing in the future. Multidomain Operations*
- ARCOS-VARGAS, J.M. MAZA-ORTEGA, F. NÚÑEZ (2018). *Propuestas para el fomento de la movilidad eléctrica: barreras identificadas y medidas que se deberían adoptar*. Real Academia de Ingeniería de España
- ARGHANDEH R. Y ZHOU Y. (2017). *Big Data Application in Power Systems*. Elsevier.
- BAGGINI (2008). *Handbook of power quality*. Wiley
- CAIXABANK RESEARCH (2023). *El impacto del aumento del precio de la electricidad sobre la economía española*
- CAMACHO PAREJO, M. (2013). *El trilema energético*. Cuadernos de energía, ISSN 1698-3009, N.º. Extra 1, 2013 (Ejemplar dedicado a: Separata del número 38.), pp. 1-22
- DIGITRANS (2022). *Austrias Autonomous Mobility and Autonomous Driving Ecosystem Landscape - the map for autonomous driving and automated mobility in Austria*
- E. ROMERO-RAMOS, A. GÓMEZ-EXPÓSITO, A. MARANO-MARCOLINI, J.M. MAZA-ORTEGA, J.L. MARTINEZ-RAMOS (2011). *Assessing the loadability of active distribution networks in the presence of DC controllable links*. IET Generation, Transmission and Distribution, 2011, vol. 5, no. 11, p. 1105-1113, DOI: 10.1049/iet-gtd.2011.0080
- EAFO (2023). *European Alternative Fuels Observatory*. eafo.edu
- EGGERS, W.D., KISHNANI, P. Y TURLEY, M. (2018). *The future of regulation*. Deloitte Insights.
- JOERGENSEN, C., WALSH, S.J., KISHNANI, P. Y EGGERS, W. (2023). *Regulation that enables innovation*. Deloitte Insights
- EMBER (2023). *Global Electricity Review*
- ENTSO-E (2022). *European Resource Adequacy Assessment*. 2021 Edition
- ENTSO-E (2023). *European Resource Adequacy Assessment*. 2022 Edition
- ENTSO-E (2023). *TERRE, PICASSO, MARI*. https://www.entsoe.eu/network_codes/eb/
- ENTSO-E (2022). *Costs of Congestion Management*. Transparency Platform
- EPRI (2017). *A Guidebook to Centralized, Distributed, and Decentralized Intelligence*
- EPRI (2020). *Federated architecture for distributed energy resources integration*
- EURELECTRIC (2023). *Power Barometer 2023*. <https://powerbarometer.eurelectric.org/>
- EUROPEAN COMMISSION (2019). *Smart Grid Task Force Experts Group 2 Final Report 2019*
- F.J. MATAS-DÍAZ, J.M. MAZA-ORTEGA, C.S. DEMOULLIAS (2023). *Use of ultracapacitor for provision of inertial response in virtual synchronous generator: Design and experimental validation*. Electric Power Systems Research, Vol. 223, 2023, 109607. <https://doi.org/10.1016/j.epsr.2023.109607>
- F.J. MATAS-DÍAZ, M. BARRAGÁN-VILLAREJO, J.M. MAZA-ORTEGA (2024). *Harmonic mitigation in distribution networks by means of DERs with active power filtering capabilities in Design and Control of Active Power Filters towards the Decarbonisation of Smart Grid Networks*. Elsevier (in press)
- F.P. GARCÍA-LÓPEZ, M. BARRAGÁN-VILLAREJO, A. MARANO-MARCOLINI, J.M. MAZA-ORTEGA, J.L. MARTÍNEZ-RAMOS (2018). *Experimental Assessment of a Centralised Controller for High-RES Active Distribution Networks*. Energies, 2018, 11, 3364, <https://doi.org/10.3390/en11123364>
- F.P. GARCÍA-LÓPEZ, M. BARRAGÁN-VILLAREJO, J.M. MAZA-ORTEGA (2020). *Grid-friendly integration of electric vehicle fast charging station based on multiterminal DC link*. International Journal of Electrical Power & Energy Systems, Vol. 114, 2020, <https://doi.org/10.1016/j.ijepes.2019.05.078>
- FERNANDES, C., FRÍAS, P., LATORRE, J.M. (2023). *Impact of vehicle-to-grid on power system operation costs: the Spanish case study*. Applied Energy. Vol. 96, pp. 194 - 202, August 2012. Fortinet - State of Operational Technology and Cybersecurity Report, 2023
- FRÍAS, P., MATEO, C., PÉREZ-ARRIAGA, I.J. (2011). *Evaluación del impacto de la integración del coche eléctrico en las redes de distribución de energía eléctrica*. Lychnos. Cuadernos de la Fundación General CSIC. N.º. 6, pp. 56 - 61, September 2011
- G.C. KRYONIDIS, J.M. MAURICIO, K.-N. D. MALAMAKI, M. BARRAGÁN-VILLAREJO, F.P. GARCÍA-LÓPEZ, GASTALVER-RUBIO, E. ROMERO-RAMOS AND J. M. MAZA-ORTEGA (2019). *Improving*

- the Performance of Low Voltage Networks by an Optimized Unbalance Operation of Three-Phase Distributed Generators. IEEE Access, vol. 7, pp. 177504-177516, (2019), doi: 10.1109/ACCESS.2019.2958206
- GÓMEZ-EXPÓSITO ET AL., (2018). *City-Friendly Smart Network Technologies and Infrastructures: The Spanish Experience*. Proceedings of the IEEE, vol. 106, no. 4, pp. 626-660, April 2018, doi: 10.1109/JPROC.2018.2793461
- GONZÁLEZ GARCÍA, M. T. (2016). *La transformación digital en el sector eléctrico*. Cuadernos de energía, ISSN 1698-3009, 49, 116-124
- GUERRERO-IBÁÑEZ, J.; ZEADALLY, S.; CONTRERAS-CASTILLO, J. (2018). *Sensor Technologies for Intelligent Transportation Systems*. Sensors 2018, 18, 1212
- H. AKAGI, E. H. WATANABE, M. AREDES (2007). *Shunt Active Filters in Instantaneous Power Theory and Applications to Power Conditioning*. IEEE, 2007, pp.109-220, doi: 10.1002/9780470118931.ch4
- H. AKAGI, Y. KANAZAWA, AND A. NABAE (1984). *Instantaneous Reactive Power Compensators Comprising Switching Devices without Energy Storage Components*. IEEE Trans. on Industry Applications, vol. IA-20, pp. 625-630, 1984
- H. LEE WILLIS (2004). *Power Distribution Planning Reference Book*. Boca Raton, FL, USA: CRC Press, 2004
- HEINRICH, STEPHAN AND MOTORS, LUCID (2017). *Flash memory in the emerging age of autonomy*. Flash Memory Summit, 2017, p. 1-10
- IEEE (2003). *Guide for Applications and Specification of Harmonic Filters*. IEEE Working Group, Standard 1531-2003, 2003
- IRENA (2019). *Innovation Landscape. Electric-Vehicle Smart Charging*
- IZADKHAHAST, S., GARCÍA-GONZÁLEZ, P., FRÍAS, P., RAMÍREZ-ELIZONDO, L., BAUER, P. (2016). *An aggregate model of plug-in electric vehicles including distribution network characteristics for primary frequency control*. IEEE Transactions on Power Systems. Vol. 31, n°. 4, pp. 2987 - 2998, July 2016
- J.C. CHURIO-BARBOZA, J.M. MAZA-ORTEGA (2014). *Comprehensive design methodology of tuned passive filters based on a probabilistic approach*. IET Gener. Transm. Distrib., Vol. 8, pp. 170-177, 2014, <https://doi.org/10.1049/iet-gtd.2012.0734>
- KOSKA T. ET AL (2021). *The Path to Sustainable Mobility Systems – 8 Theses on a digital mobility transition*. Huawei, Wuppertal Institut, 2021.
- L. PIELTAIN FERNÁNDEZ, T. GOMEZ SAN ROMAN, R. COSSSENT, C. MATEO DOMINGO AND P. FRÍAS (2011). *Assessment of the Impact of Plug-in Electric Vehicles on Distribution Networks*. IEEE Transactions on Power Systems, vol. 26, no. 1, pp. 206-213, Feb. 2011. doi: 10.1109/TPWRS.2010.2049133
- MCKINSEY (2023). *Five key action areas to put Europe's energy transition on a more orderly path*
- MILLARES, R. (2017). *Gas 4.0: la transformación digital. retos y oportunidades de la industria gasista en la Cuarta Revolución Industrial*. Gas actual, ISSN 9950-0892, n° 144 (julio-septiembre), pp. 22-30
- NATALYA A. MASHKINA, ELENA S. BELYAEVA, ANNA S. OBUKHOVA, OLGA V. BELYAEVA (2021). *Digitalization of The Transport Industry in The Context of Globalization of The World Economy*. SHS Web of Conferences 9 2, 0 (2021) Globalization and its Socio-Economic Consequences 2020
- OMIE (2023). *Evolución del mercado de electricidad. Informe anual 2022*
- OVEMS (2023). *Observatorio de la Movilidad Eléctrica y Sostenible, 2023*. Evobservatory.iit.comillas.edu
- PIELTAIN, L., GÓMEZ, T., COSSSENT, R., MATEO, C., FRÍAS, P. (2011). *Assessment of the impact of plug-in electric vehicles on distribution networks*. IEEE Transactions on Power Systems. Vol. 26, n°. 1, pp. 206 - 213, February 2011
- S. HABEN, M. VOSS, W. HOLDERBAUM (2023). *Core Concepts and Methods in Load Forecasting With Applications in Distribution Networks*. ISBN 978-3-031-27851-8, Springer
- SOOYEOB K. (2019). *Sustainable Transport and Digitalization*. ESCAP
- SOPENA DAGANZO, E. (2016). *Iberdrola, la energética del futuro. La transformación digital y la lucha contra el cambio climático, claves en su modelo de negocio*. El siglo de Europa, ISSN 2254- 9234, n°. 1178, pp. 24-30
- SOVACOOOL, B. K. (2016). *How long will it take? Conceptualizing the temporal dynamics of energy transitions*. Energy Research & Social Science, Volume 13, 202-215
- THE OFFICE OF GAS AND ELECTRICITY MARKETS (OFGEM) (2020). *Energy Regulation Sandbox: Guidance for Innovators*
- W. LUO, S. STYNSKI, A. CHUB, L. G. FRANQUELO, M. MALINOWSKI, D. VINNIKOV (2021). *Utility-Scale Energy Storage Systems: A Comprehensive Review of Their Applications, Challenges, and Future Directions*. IEEE Industrial Electronics Magazine, vol. 15, no. 4, pp. 17-27, Dec. 2021, doi: 10.1109/MIE.2020.3026169
- WESTERMAN, G., BONNET, D., MCAFEE, A. (2014). *Leading Digital: Turning Technology into Business Transformation*. Harvard Business Review
- WESTERMAN, G., BONNET, D., MCAFEE, A. (2014). *The Nine Elements of Digital Transformation*. MIT Sloan Management Review. January 07, 2014
- WORLD ENERGY COUNCIL (2012). *World Energy Trilemma. Time to get real – the case for sustainable energy policy*