
Selección bibliográfica

ALVAREZ ABAD, J.; MARTINEZ MARTINEZ, A.; DAZA, L.; y GARCIA-YBARRA, P.L. (2019). *HYCOGEN: Sistema eficiente de generación de energía limpia*. IV Congreso Iberoamericano de Hidrógeno y Pilas de Combustible IBERCONAPPICE 2019 pp: 83-88, APPICE, Madrid, ISBN: AE-2019-19011772. 2019

ASENSIO, C. (2021). *Valles de hidrógeno: El paisaje del futuro*. El Economista (14/12/2021). Recuperado de: <https://www.economista.es/energia/noticias/11516648/12/21/Valles-de-hidrogeno-El-paisaje-del-futuro.html>

AYERS, K. (2021). *High efficiency PEM water electrolysis: enabled by advanced catalysts, membranes, and processes*. Current Opinion in Chemical Engineering, 33, 100719

BARD J., GERHARDT N., SELZAM P., BEIL M., WIEMER M, y BUDDENSIEK M. (2022). *A study on the use, limitations and cost of hydrogen blending in the European gas grid at the transport and distribution level*. Fraunhofer Institute for Energy Economics and Energy System Technology (IEE) report, Jan. 2022.

BARNES, A. (2021). *Regulation of hydrogen markets – are concerns about 'lock-in' effects valid?* The Role of Hydrogen in the Energy Transition, OIES Forum, 127, mayo, 26-31. Recuperado de: <https://www.oxfordenergy.org/publications/oxford-energy-forum-the-role-of-hydrogen-in-the-energy-transition-issue-127/>

BARRERO, A. (2021). *La geografía española del hidrógeno*. Energías Renovables, N.º 670, pp. 40-42. Recuperado de: [Revista670.pdf \(energias-renovables.com\)](#).

BARRERO, A. (2021). *Mapa español del hidrógeno*. Energías Renovables. Recuperado de: [Hidrógeno - Mapa español del hidrógeno - Energías Renovables, el periodismo de las energías limpias \(energias-renovables.com\)](#)

BH2C (2021a). *Plataforma Industrial del Hidrógeno*. Recuperado de: <https://bh2c.es/proyectos/plataforma-industrial-del-hidrogeno/>

BH2C (2021b). *Corredor Vasco del Hidrógeno*. Recuperado de: [BH2C | Corredor Vasco de Hidrógeno](#)

BH2C (2021c). *Proyectos*. Recuperado de: [Proyectos | BH2C | Corredor Vasco del Hidrógeno](#)

CLEAN HYDROGEN PARTNERSHIP (2021). *About us*. Recuperado de: [About Us \(europa.eu\)](#)

COMISIÓN EUROPEA (2019). *Comunicación de la Comisión al Parlamento Europeo, al Consejo Europeo, al Consejo, al Comité Económico y Social Europeo y al Comité de las Regiones sobre el Pacto Verde Europeo*. EU COM/2019/640 final

COMISIÓN EUROPEA (2020). *A hydrogen strategy for a climate-neutral Europe*. https://ec.europa.eu/energy/sites/ener/files/hydrogen_strategy.pdf

COMISIÓN EUROPEA (2020). *Communication from the Commission to the European Parliament, the Council, the European Economic and Social Committee and the Committee of the Regions: A Hydrogen Strategy for a Climate-Neutral Europe*. COM(2020) 301 final

COMISIÓN EUROPEA (2020). *Communication from the Commission to the European Parliament, the Council, the European Economic and Social Committee and the Committee of the Regions. A hydrogen strategy for a climate-neutral Europe*. Recuperado de: [hydrogen_strategy.pdf \(europa.eu\)](#)

COMISIÓN EUROPEA (2021). *Pacto Verde Europeo (Green Deal)*. https://ec.europa.eu/info/strategy/priorities-2019-2024/european-green-deal_es

COMISIÓN EUROPEA (2021). *Programa "Fit for 55" de la Unión Europea*. https://ec.europa.eu/commission/presscorner/detail/es/IP_21_3541

COMISIÓN EUROPEA (2022). *Building a European Research Area for clean hydrogen – the role of EU research and innovation investments to deliver on the EU's Hydrogen Strategy*. Commission Staff Working Document SWD (2022) 15 final, Brussels 20.1.2022. Recuperado de: https://ec.europa.eu/info/files/commission-staff-working-document-building-european-research-area-clean-hydrogen_es

CONCAWE (2021). *Proyecto Re-Stream - Study on the reuse of oil and gas infrastructure for hydrogen and CCS in Europe*. Octubre 2021. https://www.concawe.eu/wp-content/uploads/Re-stream-final-report_Oct2021.pdf

ENTE VASCO DE LA ENERGÍA (EVE) y GOBIERNO VASCO (2021). *Estrategia Vasca del Hidrógeno*. Recuperado de: <Estrategia-Vasca-del-Hidrogeno.pdf> (eve.eus)

FCH (2019). *Hydrogen Roadmap Europe: A Sustainable Pathway For The European Energy Transition*. <https://www.fch.europa.eu/news/hydrogen-roadmap-europe-sustainable-pathway-european-energy-transition>

FCH (2020). *Opportunities for Hydrogen Energy Technologies considering the National Energy & Climate Plans*. www.fch.europa.eu/

FERNÁNDEZ GÓMEZ, J.; ÁLVARO HERMANA, R. y MENÉNDEZ SÁNCHEZ, J. (2021). *Perspectivas de desarrollo de un mercado global de hidrógeno. Implicaciones para la CAPV*. Cuadernos Orkestra 03/2021. Orkestra-Instituto Vasco de Competitividad, San Sebastián. Recuperado de: <https://www.orkestra.deusto.es/images/investigacion/publicaciones/informes/cuadernos-orkestra/210006-Perspectivas-desarrollo-mercado-global-hidr%C3%B3geno-COMPLETO.pdf>

GAS FOR CLIMATE 2050 (2020). *European Hydrogen Backbone*. https://gasforclimate2050.eu/sdm_downloads/european-hydrogen-backbone/

GAS FOR CLIMATE 2050 (2022). *European Hydrogen Backbone initiative adds six new members and sets its agenda for 2022*. Recuperado de: <https://gasforclimate2050.eu/news-item/european-hydrogen-backbone-initiative-adds-six-new-members-and-sets-its-agenda-for-2022/>

GHAVAM S., VAHDATI M., WILSON I.A.G. y STYRING P. (2021). *Sustainable Ammonia Production Processes*. *Front. Energy Res.* 9:580808.

GOBIERNO DE ESPAÑA (2019). *Marco Estratégico de Energía y Clima: Una oportunidad para la modernización de la economía española y la creación de empleo*. <https://www.miteco.gob.es/es/cambio-climatico/participacion-publica/marco-estrategico-energia-y-clima.aspx>

GOBIERNO DE ESPAÑA (2020). *Hoja de Ruta del Hidrógeno: una apuesta por el hidrógeno renovable*. https://energia.gob.es/es-es/Novedades/Documents/hoja_de_ruta_del_hidrogeno.pdf

GOBIERNO DE ESPAÑA (2020). *Plan Nacional Integrado de Energía y Clima (PNIEC)*. <https://www.miteco.gob.es/es/prensa/pniec.aspx>

GOBIERNO DE ESPAÑA (2021). *PERTE de Energías Renovables, Hidrógeno Renovable y Almacenamiento – Documento Resumen*. Recuperado de: https://planderecuperacion.gob.es/sites/default/files/2021-12/PERTE_Energias%20renovables_RE_14122021.pdf

GOVERNMENT OF JAPAN (2019). *The Strategic Road Map for Hydrogen and Fuel Cells, Hydrogen and Fuel Cell Strategy Council*. Ministry of Economy, Trade and Industry. https://www.meti.go.jp/english/press/2019/pdf/0312_002b.pdf

GOVERNMENT OF THE UNITED KINGDOM (2021). *UK Hydrogen Strategy*. https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/1011283/UK-Hydrogen-Strategy_web.pdf

GRIGORIEV, S.A.; FATEEV, V.N.; BESSARABOV, D.G. y MILLET, P. (2020). *Current status, research trends, and challenges in water electrolysis science and technology*. *International Journal of Hydrogen Energy*, 45, Issue 49; 26036-26058

HEATHER, P. (2021). *How a traded hydrogen market might develop – lessons from the natural gas industry*. *The Role of Hydrogen in the Energy Transition*, OIES Forum, 127, mayo, 31-36. Recuperado de: <https://www.oxfordenergy.org/publications/oxford-energy-forum-the-role-of-hydrogen-in-the-energy-transition-issue-127/>

HYDROGEN EUROPE (2020). *Green Hydrogen for a European Green Deal A 2x40 GW Initiative*. www.hydrogeneurope.eu

HYDROGEN EUROPE (2020). *Hydrogen Europe Clean Hydrogen Monitor*. www.hydrogeneurope.eu

IEA (2019). *The future of hydrogen*. <https://www.iea.org/reports/the-future-of-hydrogen>

IEA (2020). *Current limits on hydrogen blending in natural gas networks and gas demand per capita in selected locations*. IEA, Paris, marzo 2020 <https://www.iea.org/data-and-statistics/charts/current-limits-on-hydrogen-blending-in-natural-gas-networks-and-gas-demand-per-capita-in-selected-locations>

IEA (2021). *Global Hydrogen Review*. <https://www.iea.org/reports/global-hydrogen-review-2021>

IRENA (2020). *Green Hydrogen, A guide to policy making*. International Renewable Energy Agency, Abu Dhabi. Recuperado de: https://www.irena.org/-/media/Files/IRENA/Agency/Publication/2020/Nov/IRENA_Green_hydrogen_policy_2020.pdf

IRENA (2022). *Geopolitics of the Energy Transformation. The Hydrogen Factor*. <https://www.irena.org/publications/2022/Jan/Geopolitics-of-the-Energy-Transformation-Hydrogen>

JRC (2020). *JEC Well to Wheel report v5*. <https://publications.jrc.ec.europa.eu/repository/handle/JRC121213>

KREEFT (2021). *HyWay27 study on the reuse of natural gas network for a hydrogen backbone in the Netherlands*. Presentación de KREEFT en el 35º Foro de Madrid, abril 2021. https://ec.europa.eu/info/sites/default/files/energy_climate_change_environment/events/presentations/05.02_mf35-presentation-netherlands-hyway27_study-kreeft_v2.pdf

LAZARD (2021). *Lazard's Levelized Cost of Hydrogen Analysis. Version 2.0*. Recuperado de: <https://www.lazard.com/media/451895/lazards-levelized-cost-of-hydrogen-analysis-version-20-vf.pdf>

LEE B., LIM D., LEE H. y LIM H., (2021). *Which water electrolysis technology is appropriate?: Critical insights of potential water electrolysis for green ammonia production*. *Renewable and Sustainable Energy Reviews*, 143, 110963

LEE H., LEE B., BYUN M. y LIM H. (2020). *Economic and environmental analysis for PEM water electrolysis based on replacement moment and renewable electricity resources*. *Energy Conversion and Management*, 224, 113477

MARGENAT, S.; GARCIA-SORIANO, G.; CASTILLO, J.L. y GARCIA-YBARRA, P.L. (2019). *Fabricación de electrodos para células de combustible PEM por electrospay de alto caudal*. IV Congreso Iberoamericano de Hidrógeno y Pilas de Combustible IBERCONAPPICE 2019 pp: 53-58, APPICE, Madrid, ISBN: AE-2019-19011772.

MARTÍN, I. y FERNÁNDEZ, J. (2022). *El futuro del hidrógeno como vector energético y la sostenibilidad*. *Economistas*, 176, 77-83. ISSN 0212-4386. Recuperado de: <https://privado.cemad.es/revistas/online/Revistas/Economistas-Num-176-WEB.pdf/192>

MARTÍN, S.; GARCIA-YBARRA, P.L. y CASTILLO, J.L. (2017). *Ensayos de larga duración de una pila PEM de alta temperatura en régimen de auto humidificación*. III Congreso Iberoamericano de Hidrógeno y Pilas de Combustible IBERCONAPPICE 2017 pp: 81-84, APPICE, Madrid, ISBN: 978-84-697-6342-1.

MARTÍN, S.; GARCIA-YBARRA, P.L. y CASTILLO, J.L. (2017). *Operación de larga duración de una pila PEM en régimen de auto humidificación*. III Congreso Iberoamericano de Hidrógeno y Pilas de Combustible IBERCONAPPICE 2017 pp: 61-64, APPICE, Madrid, ISBN: 978-84-697-6342-1.

MARTIN, S.; JENSEN, J. O.; Li, Q.; GARCIA-YBARRA, P.L. y CASTILLO, J.L. (2019). *Feasibility of ultra-low Pt loading electrodes for high temperature proton exchange membrane fuel cells based in phosphoric acid-doped membrane*. International Journal of Hydrogen Energy 40:5384-5389.

MARTÍN, S.; MARTINEZ-VAZQUEZ, B.; GARCIA-SORIANO, G.; CASTILLO, J.L. y GARCIA-YBARRA, P.L. (2017). *Low and ultra-low Pt loading PEMFC*. III Congreso Iberoamericano de Hidrógeno y Pilas de Combustible IBERCONAPPICE 2017 pp: 17-18, APPICE, Madrid, ISBN: 978-84-697-6342-1.

MARTINEZ MARTINEZ, A. y ALVAREZ ABAD, J. (2019). *Aplicaciones del hidrógeno para movilidad urbana: Proyecto E-H2 BIKE*. IV Congreso Iberoamericano de Hidrógeno y Pilas de Combustible IBERCONAPPICE 2019 pp: 83-88, APPICE, Madrid, ISBN: AE-2019-19011772. 2019

PUSHKAREVA I.V., PUSHKAREV A.S., GRIGORIEV S.A., MODISHA P. y BESSARABOV D.G. (2020). *Comparative study of anion exchange membranes for low-cost water electrolysis*. International Journal of Hydrogen Energy, 45, Issue 49; 26070-26079

SÁNCHEZ MOLINA, P. (2022). *Alemania considera a España el país europeo con mayor potencial para producir hidrógeno verde a un coste competitivo*. Recuperado de: [Alemania considera a España el país europeo con mayor potencial para producir hidrógeno verde a un coste competitivo – pv magazine España \(pv-magazine.es\)](https://www.pv-magazine.es)

SWANSEA UNIVERSITY (2021). *Green hydrogen research helps industry reduce carbon emissions*. Recuperado de: <https://www.swansea.ac.uk/press-office/news-events/news/2021/02/green-hydrogen-research-helps-industry-reduce-carbon-emissions.php>

THE OXFORD ENERGY STUDIES INSTITUTE (2021). *The role of hydrogen in the energy transition*. <https://www.oxfordenergy.org/wpcms/wp-content/uploads/2021/05/OEF-127.pdf>

US DEPARTMENT OF ENERGY (2020). *Hydrogen Strategy. Enabling a low-carbon economy*. https://www.energy.gov/sites/prod/files/2020/07/f76/USDOE_FE_Hydrogen_Strategy_July2020.pdf

WEICHENHAIN, U.; KAUFMANN, M.; BENZ, A.; y MATUTE GOMEZ, G. (2021). *Hydrogen Valleys. Insights into the emerging hydrogen economies around the world*. Luxembourg. ISBN: 978-92-9246-370-0 doi: 10.2843/133091. Recuperado de: <https://www.fch.europa.eu/publications/hydrogen-valleys-insights-emerging-hydrogen-economies-around-world>

WORLD ENERGY COUNCIL (2021). *Hydrogen on the Horizon: Hydrogen Demand and Cost Dynamics*. <https://www.worldenergy.org/publications/entry/working-paper-hydrogen-demand-and-cost-dynamics>

WORLD ENERGY COUNCIL (2021). *Hydrogen on the Horizon: National Hydrogen Strategies*. https://www.worldenergy.org/assets/downloads/Working_Paper_-_National_Hydrogen_Strategies_-_September_2021.pdf

WORLD ENERGY COUNCIL (2021a). *Estrategias internacionales del hidrógeno*. Consejo Mundial de la Energía (weltenergief.de)

WORLD ENERGY COUNCIL (2021b). *Hydrogen on the horizon: Ready, almost set, go? Working paper*. National hydrogen strategies. Working_Paper_-_National_Hydrogen_Strategies_-_September_2021.pdf (worldenergy.org)