

**Electrodialysis as a key operating unit in chemical processes:
from lab to pilot scale of latest breakthroughs**

Supporting material

Guillaume Hopsort^{*,a}, Quentin Cacciuttolo^{*,a}, David Pasquier^a

a IFP Energies Nouvelles, Rond-point de l'échangeur de Solaize, BP 3, 69360 Solaize, France

SM1 Distribution by year of all works cited in the manuscript

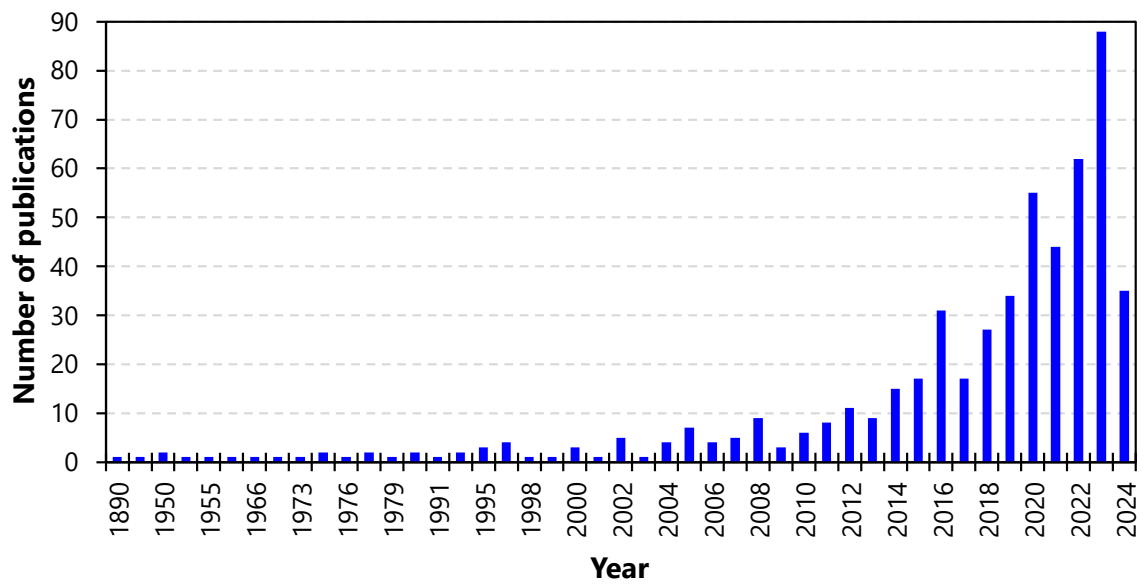


Fig. 1 Year-by-year distribution of all scientific works cited in the manuscript

SM2 Distribution of electrodiagnosis patents

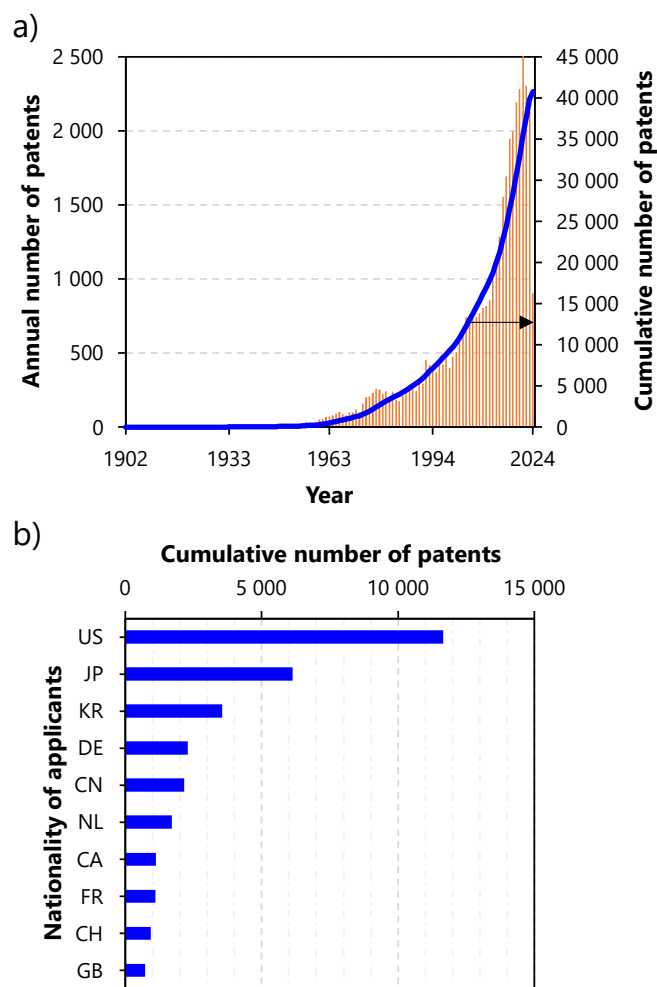


Fig. 2 Synergy of patent publications extracted from the Espacenet database (European Patent Office) when searching for the keyword “electrodiagnosis”, available from <https://worldwide.espacenet.com/>. Accessed on 2024/06/06, under license agreement.

a) Annual/cumulative distribution of the number of patents and b) distribution of the top 10 nationalities¹ (by number) of patent inventors until 2024.

¹ US: United-States; JP: Japan; KR: South Korea; DE: Germany; CN: China; NL: Netherlands; CA: Canada; FR: France; CH: Switzerland; GB: Great Britain.