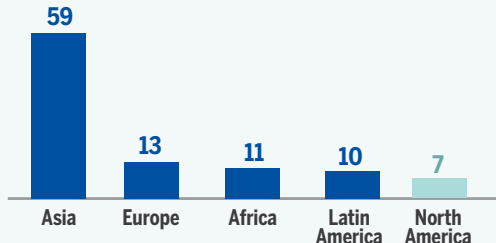


Passport to Innovation

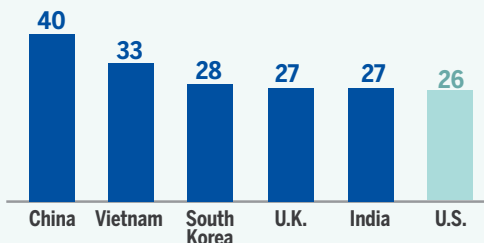
For decades, the U.S. has been a leader in many areas of new and emerging technology. However, investors may be overlooking strong areas of innovation outside the U.S., potentially making international growth companies appealing additions to U.S. dominated portfolios.

Innovation Outside the U.S.

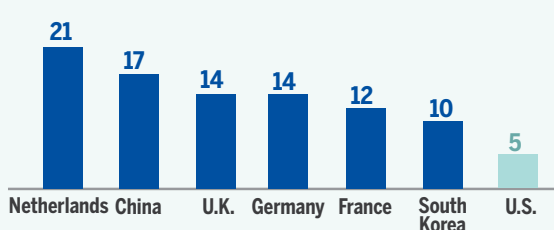
Share of Global Internet Users (%)¹



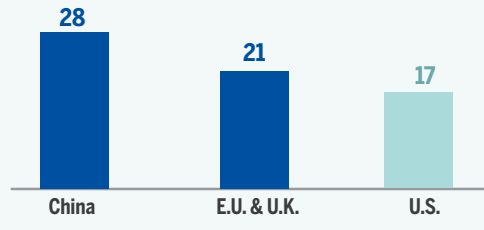
Mobile Point of Sale Penetration (%)²



Electric Vehicle Penetration (%)³



Artificial Intelligence Journal Citations (%)⁴



Source: ¹ Share of global internet users from DataReportal (2022), "Digital 2022 Global Digital Overview."

² Mobile point of sale penetration based on 2022 estimate from Statista Digital Market Outlook.

³ Electric vehicle penetration from PwC and Statista based on new vehicles sales in 2Q22.

⁴ AI journal citations based on 2021 data from Stanford AI Index Report.

- As of July 2022, roughly 63% of the global population has internet access. Interestingly, only 7% of global users are from North America, suggesting noteworthy internet activity abroad and support for non-U.S. digital transformation companies.
- With the rise of global internet adoption, users need a way to pay for goods and services. Payments is another example where many countries have leapfrogged ahead of the U.S. when it comes to paying with a mobile device at point-of-sale (POS). According to Statista, China, Vietnam, South Korea, U.K., and India all have higher mobile POS penetration than the U.S.
- Electric vehicle (EV) penetration is another area where the U.S. isn't in the lead. According to data from PwC, many European and Asian countries have a much greater EV battery market share than the U.S.—in some cases, more than three times higher. In fact, many of these countries have 10x the charging locations per mile of roadway. Moreover, most of the EV battery production is done outside the U.S. where countries such as China dominate in processing necessary key earth metals.
- Finally, while it is hard to generalize artificial intelligence progress among nations, the U.S. lags China and the E.U./U.K. in terms of artificial intelligence journal citations. As a result, investors may want to consider diversifying their portfolios to take advantage of the innovation leadership in areas outside of the U.S.



The views expressed are the views of Fred Alger Management, LLC ("FAM") and its affiliates as of October 2022. These views are subject to change at any time and may not represent the views of all portfolio management teams. These views should not be interpreted as a guarantee of the future performance of the markets, any security or any funds managed by FAM. These views are not meant to provide investment advice and should not be considered a recommendation to purchase or sell securities.

Risk Disclosures: Investing in the stock market involves risks, including the potential loss of principal. Growth stocks may be more volatile than other stocks as their prices tend to be higher in relation to their companies' earnings and may be more sensitive to market, political, and economic developments. Local, regional or global events such as environmental or natural disasters, war, terrorism, pandemics, outbreaks of infectious diseases and similar public health threats, recessions, or other events could have a significant impact on investments. **Past performance is not indicative of future performance.** Investors whose reference currency differs from that in which the underlying assets are invested may be subject to exchange rate movements that alter the value of their investments.

Investing in innovation is not without risk and there is no guarantee that investments in research and development will result in a company gaining market share or achieving enhanced revenue. Companies exploring new technologies may face regulatory, political or legal challenges that may adversely impact their competitive positioning and financial prospects. Also, developing technologies to displace older technologies or create new markets may not in fact do so, and there may be sector specific risks as well. As is the case with any industry, there will be winners and losers that emerge and investors therefore need to conduct a significant amount of due diligence on individual companies to assess these risks and opportunities.

Important Information for US Investors: This material must be accompanied by the most recent fund fact sheet(s) if used in connection with the sale of mutual fund and ETF shares. Fred Alger & Company, LLC serves as distributor of the Alger mutual funds.

Important Information for UK and EU Investors: This material is directed at investment professionals and qualified investors (as defined by MiFID/FCA regulations). It is for information purposes only and has been prepared and is made available for the benefit investors. This material does not constitute an offer or solicitation to any person in any jurisdiction in which it is not authorised or permitted, or to anyone who would be an unlawful recipient, and is only intended for use by original recipients and addressees. The original recipient is solely responsible for any actions in further distributing this material and should be satisfied in doing so that there is no breach of local legislation or regulation.

Certain products may be subject to restrictions with regard to certain persons or in certain countries under national regulations applicable to such persons or countries.

Alger Management, Ltd. (company house number 8634056, domiciled at 78 Brook Street, London W1K 5EF, UK) is authorised and regulated by the Financial Conduct Authority, for the distribution of regulated financial products and services. FAM and/or Weatherbie Capital, LLC, U.S. registered investment advisors, serve as sub-portfolio manager to financial products distributed by Alger Management, Ltd.

Alger Group Holdings, LLC (parent company of FAM and Alger Management, Ltd.), FAM, and Fred Alger & Company, LLC are not authorized persons for the purposes of the Financial Services and Markets Act 2000 of the United Kingdom ("FSMA") and this material has not been approved by an authorized person for the purposes of Section 21(2)(b) of the FSMA.

Important information for Investors in Israel: This material is provided in Israel only to investors of the type listed in the first schedule of the Securities Law, 1968 (the "Securities Law") and the Regulation of Investment Advice, Investment Marketing and Investment Portfolio Management Law, 1995. The Fund units will not be sold to investors who are not of the type listed in the first schedule of the Securities Law.

Alger pays compensation to third party marketers to sell various strategies to prospective investors.

Datareportal is an online platform designed to help people and organizations around the world to find the data, insights, and trends they need to make better informed decisions.

Statista is a German company specializing in market and consumer data. According to the company, its platform contains more than 1,000,000 statistics on more than 80,000 topics from more than 22,500 sources and 170 different industries.