

# Crescat Firm Presentation



**CRESCAT CAPITAL®**  
THE VALUE OF GLOBAL MACRO INVESTING

December 2022

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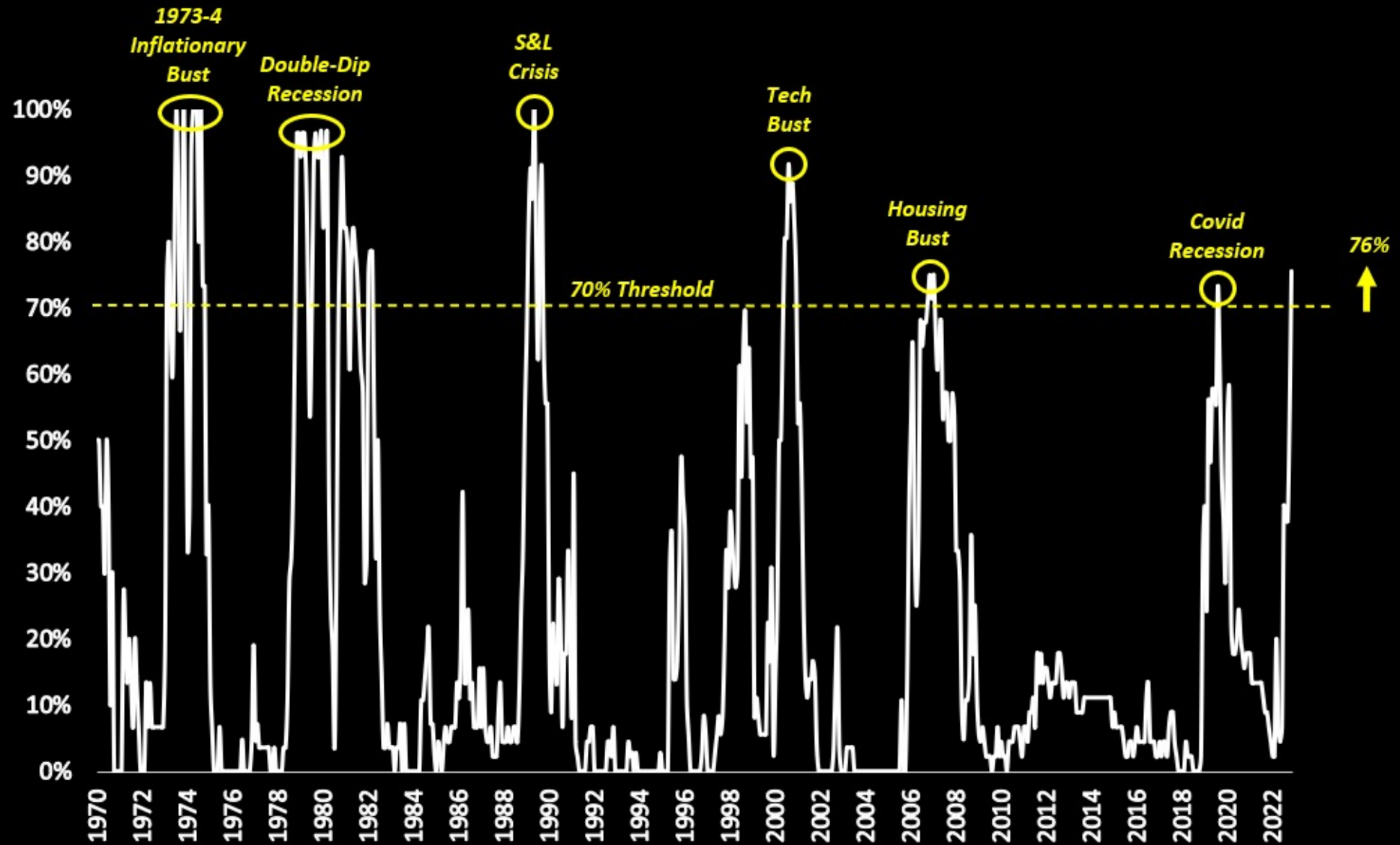
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# US % of Yield Curve Inversions



\*Yields used for calculation: 30, 10, 7, 5, 3, 2-Year, and also  
12-Month, 3-Month, 1-Month, Fed Funds Rate

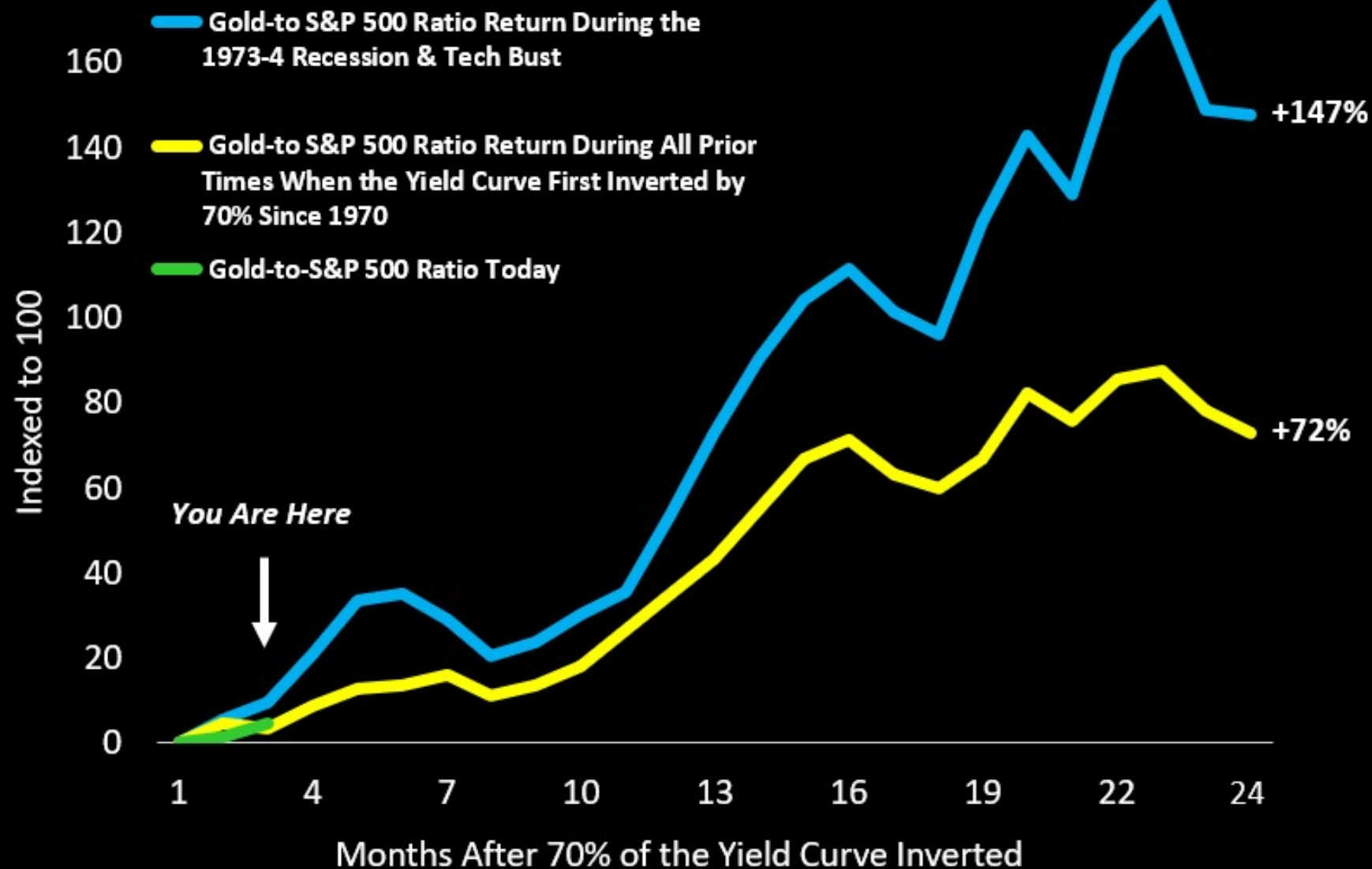
Source: Bloomberg

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# Gold-to-S&P 500 After Yield Curve Inversions

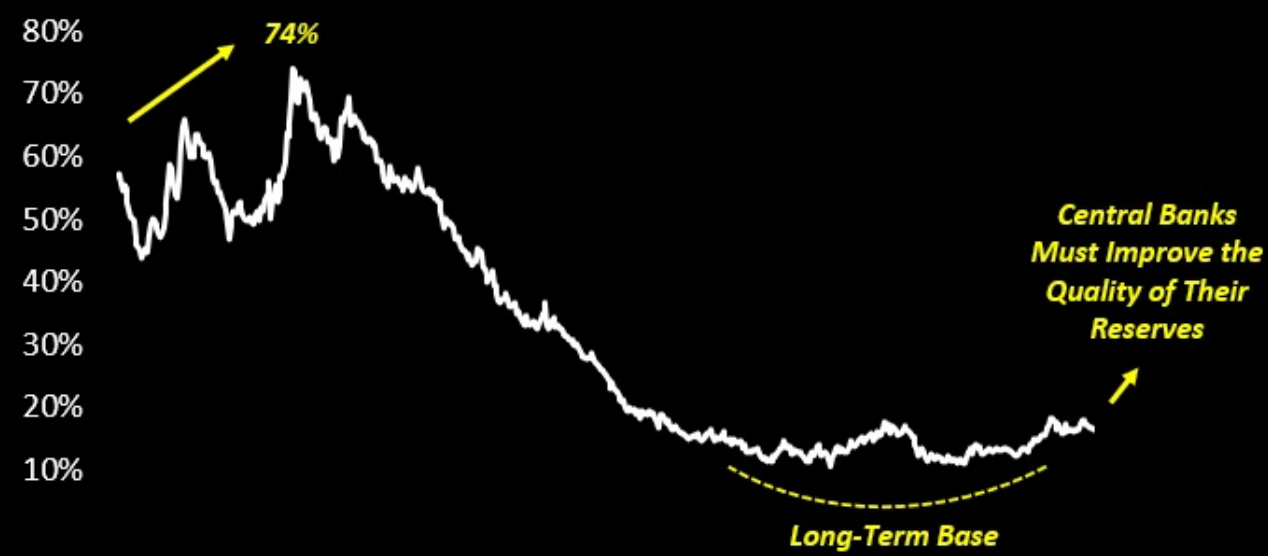
## 2-Year Average Performance



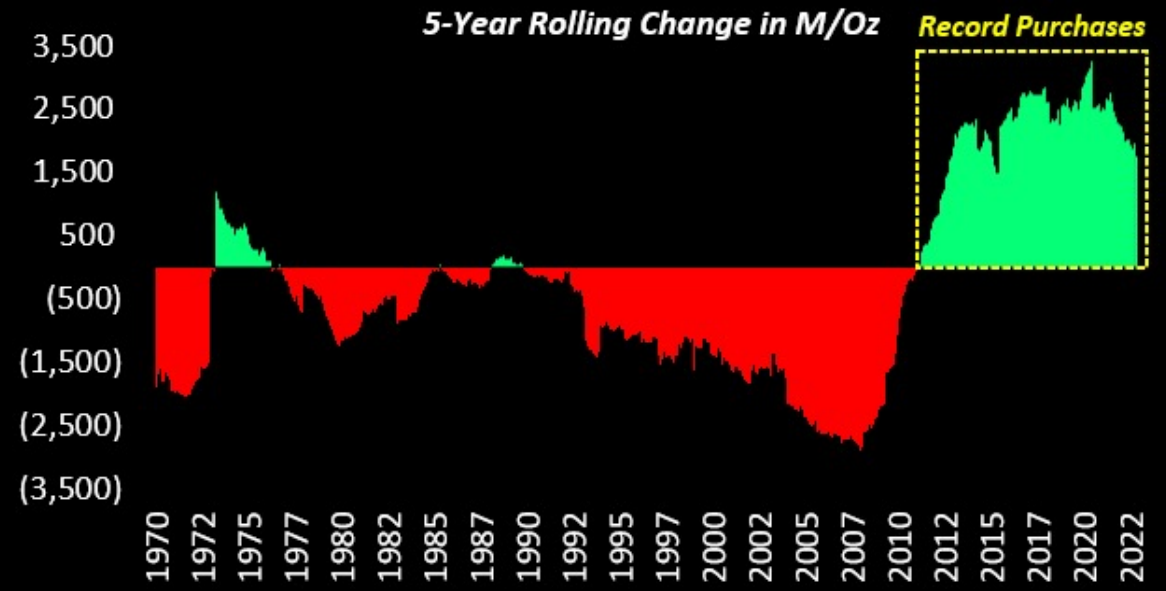


# Global Central Banks

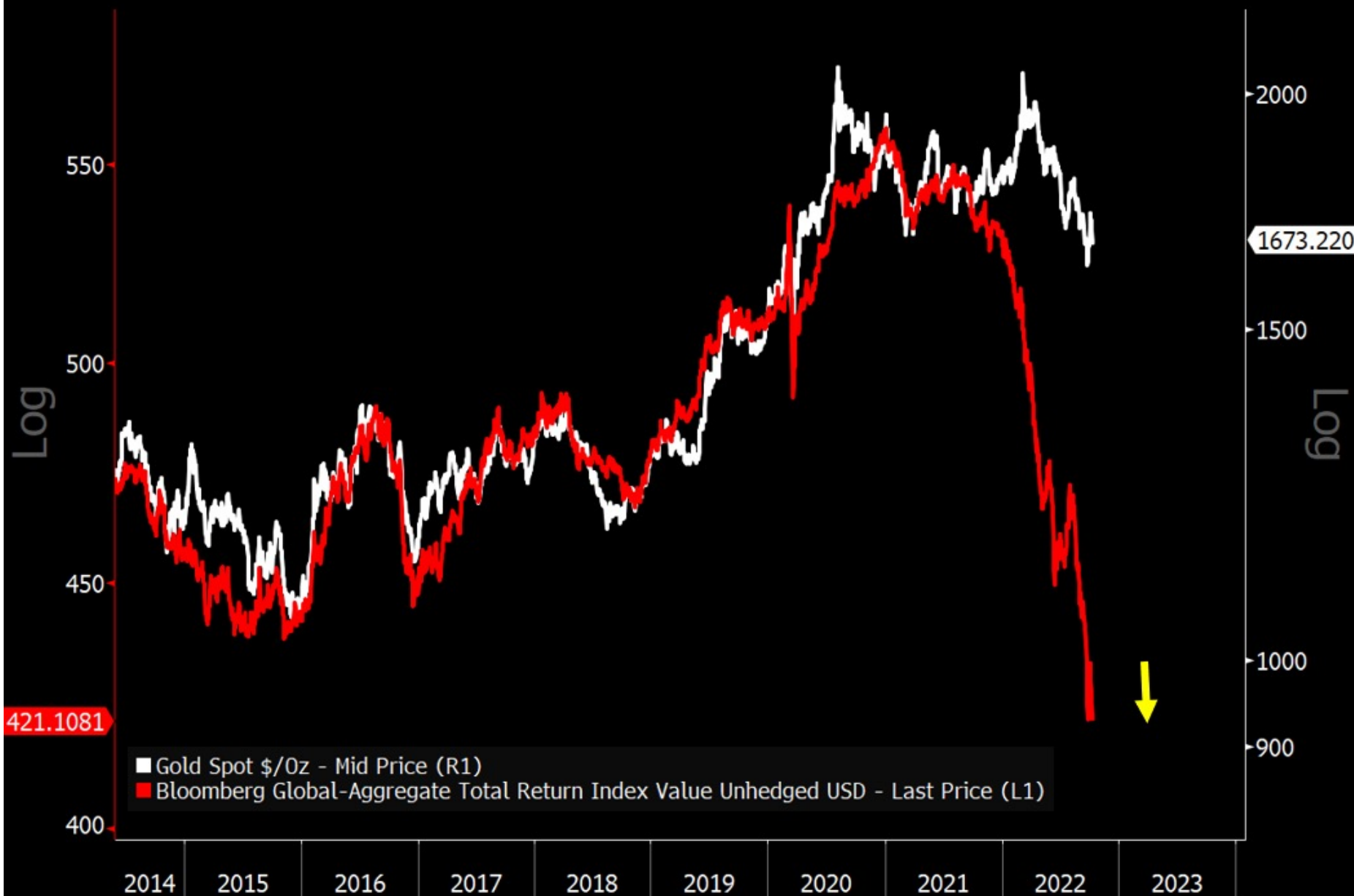
*Gold Holdings as a % of Foreign Reserves*



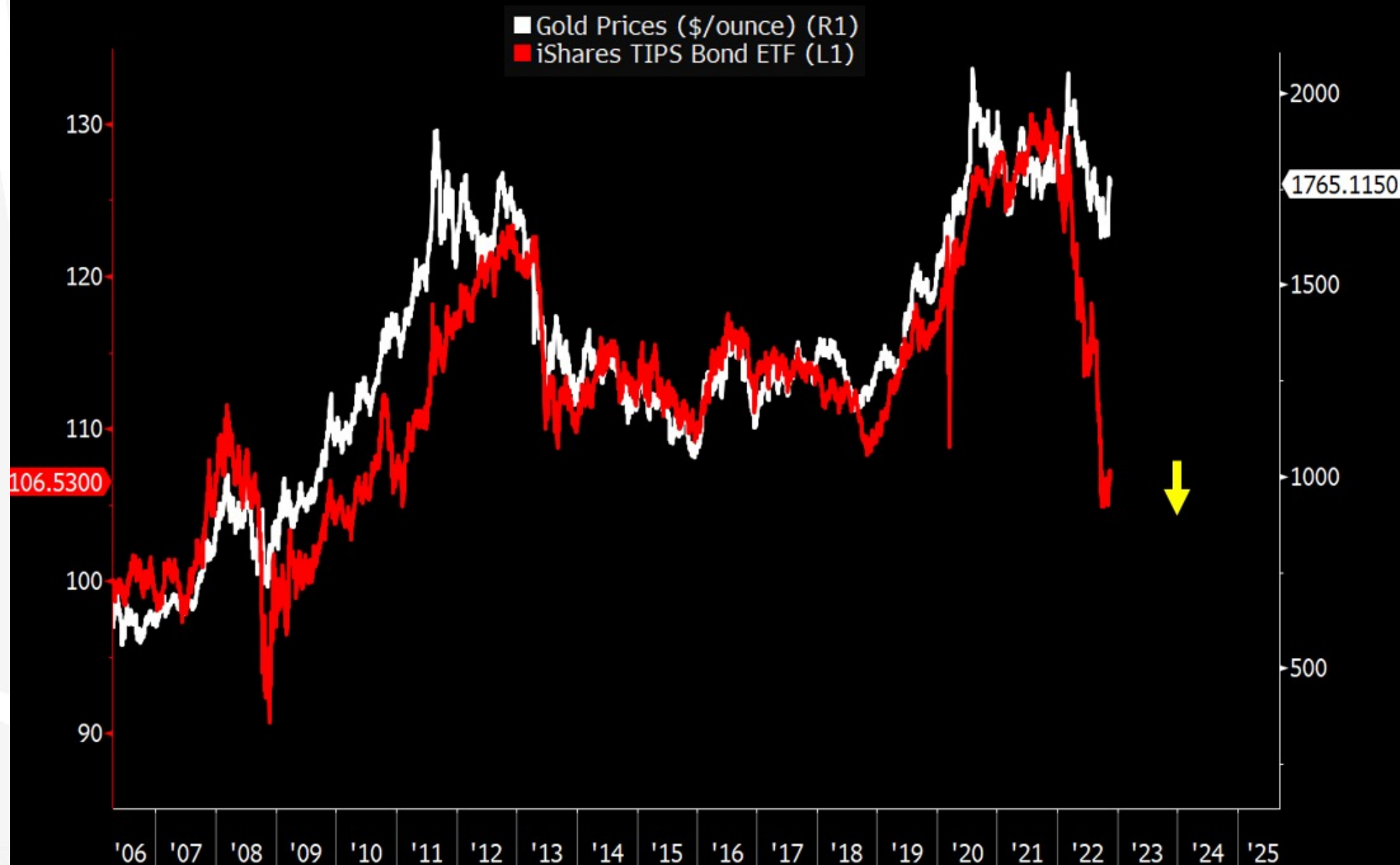
*Gold Purchases  
5-Year Rolling Change in M/Oz*



# Gold vs. Global Bonds



# Treasury Inflation Protected Securities vs. Gold

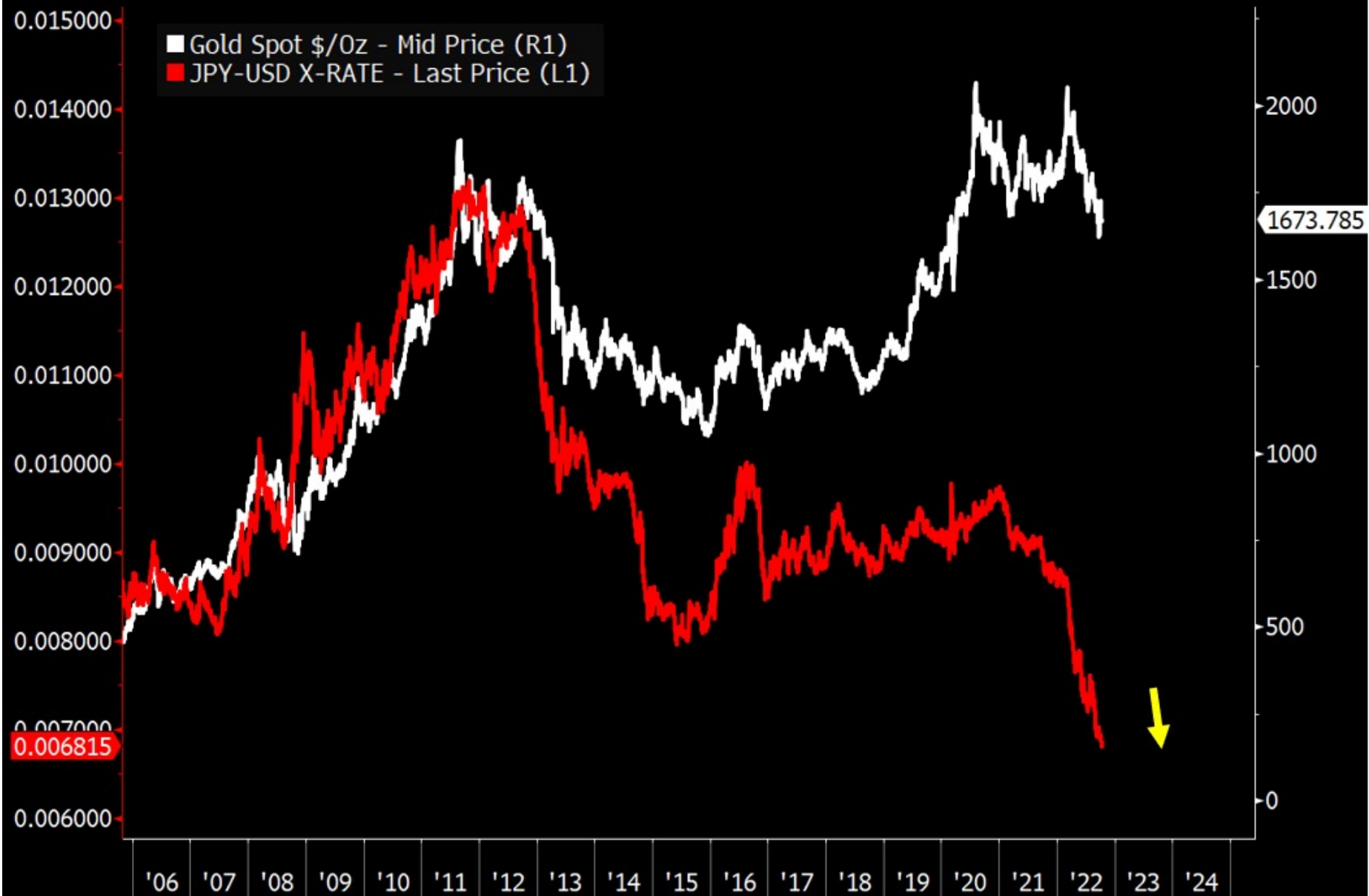


Source: Bloomberg

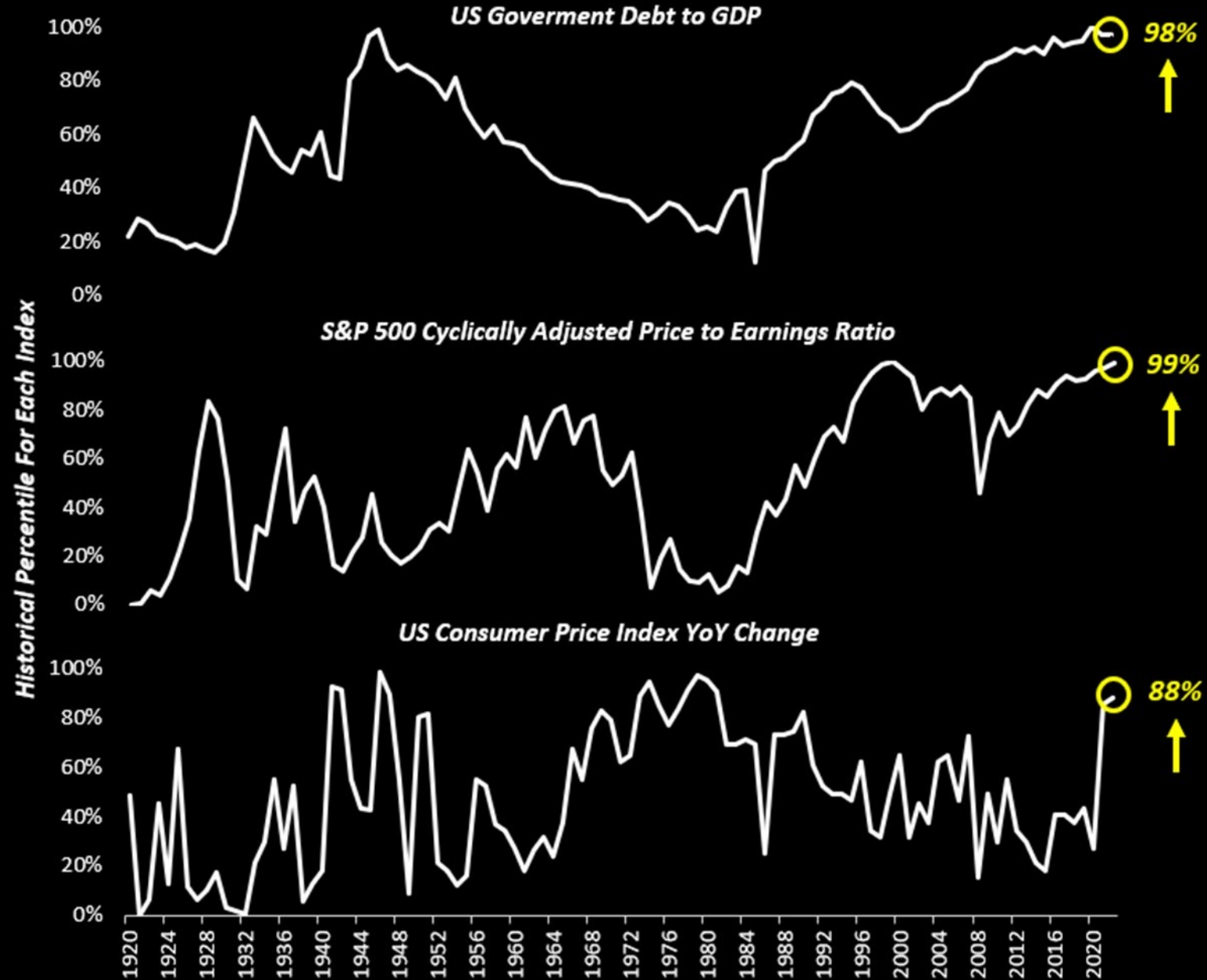
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# Gold vs. Japanese Yen



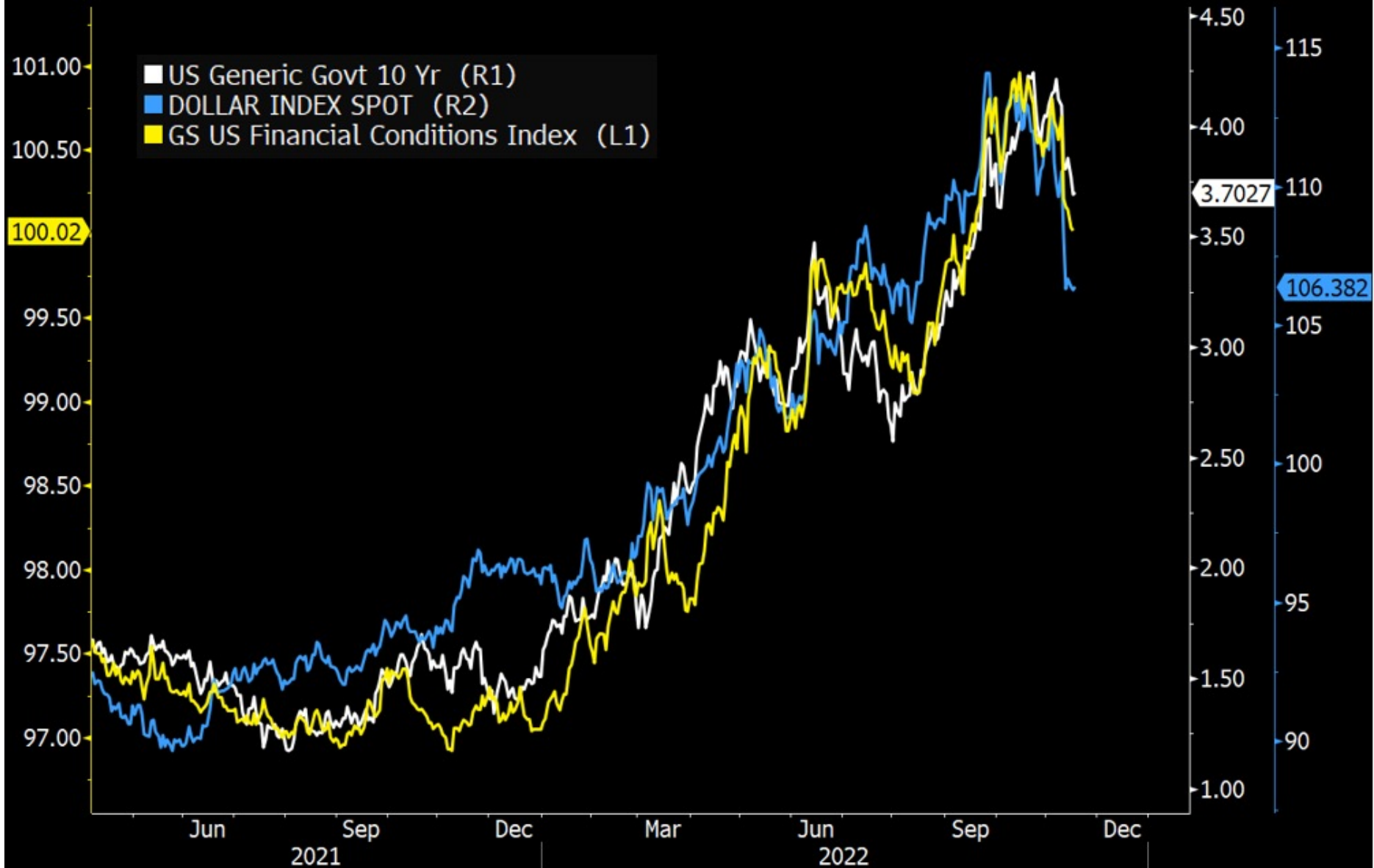
# Debt, Valuation & Inflation



Source: Federal Reserve, Yale University, Robert J. Shiller

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# US Dollar, Interest Rates & Financial Conditions

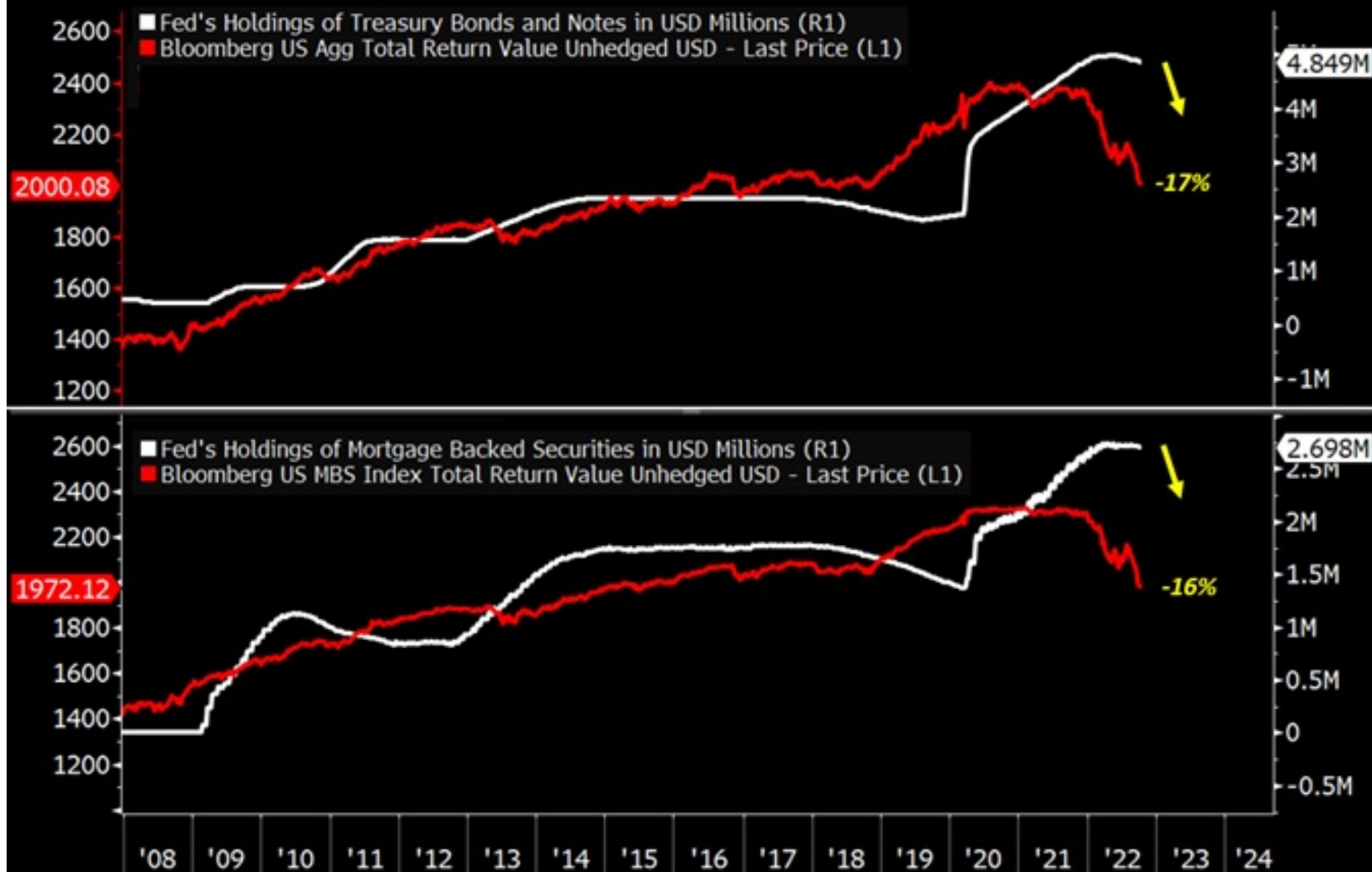




# Global Central Banks vs. S&P 500

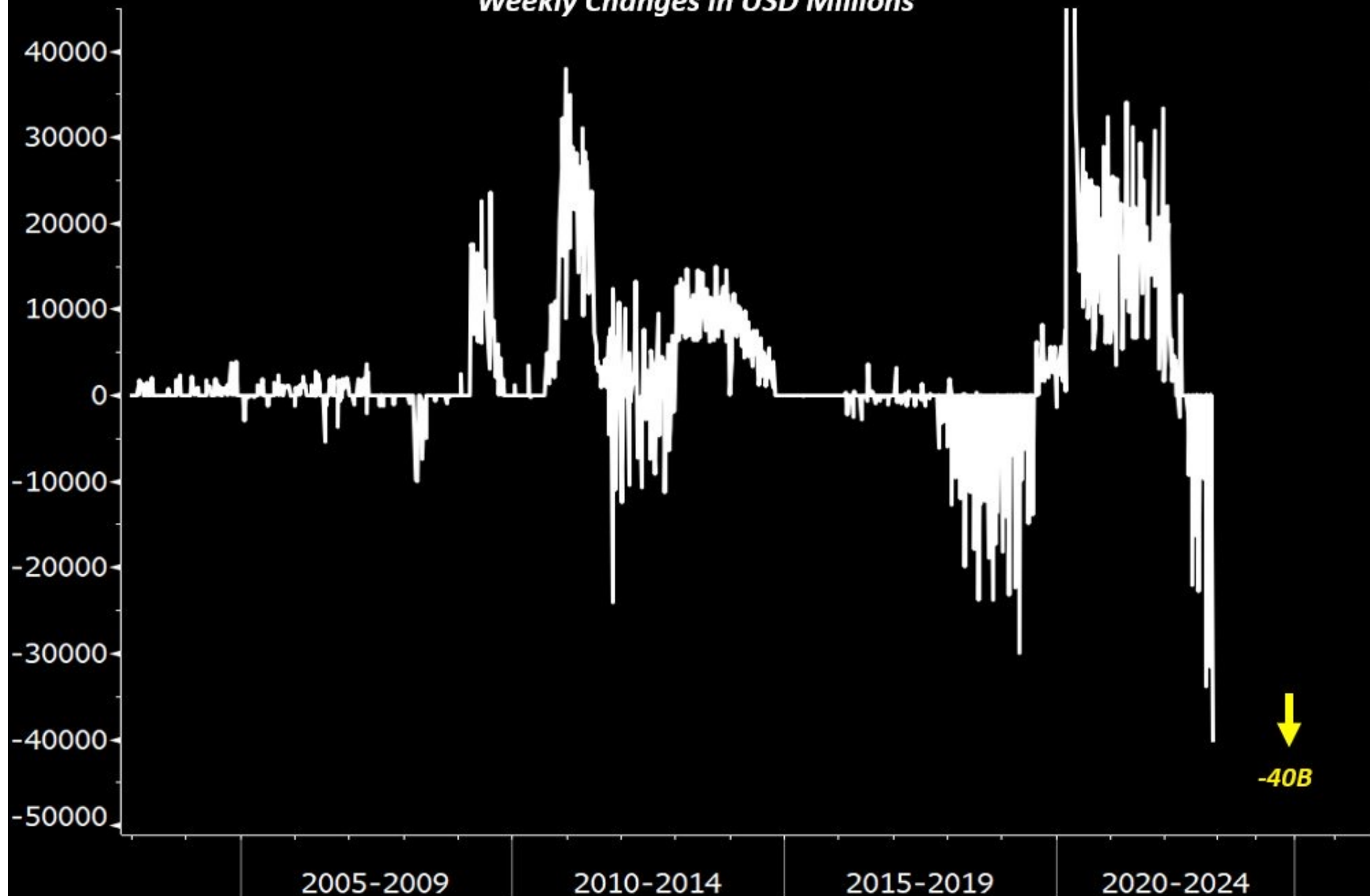


# Fed Holdings of Treasury Notes, Bonds & MBS



# Fed's Holdings of Treasury Bonds and Notes

*Weekly Changes in USD Millions*



Source: Bloomberg

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# US 30-Year Mortgage Rates



Source: Bloomberg

Ibovespa in USD / S&P 500

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# US Personal Savings as a % of Disposable Income

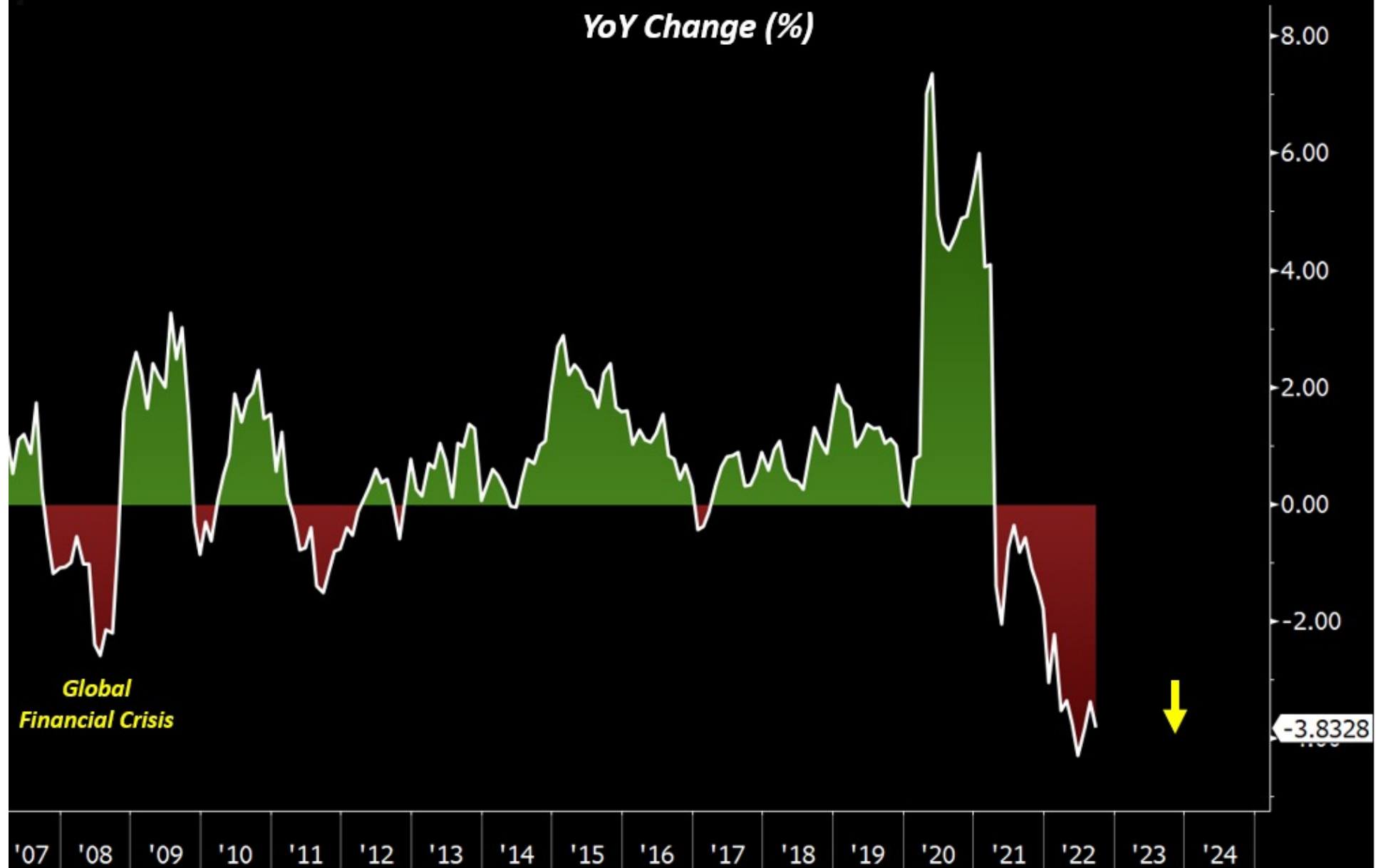


Source: Bloomberg; Tavi Costa

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# US Real Wages Growth

YoY Change (%)



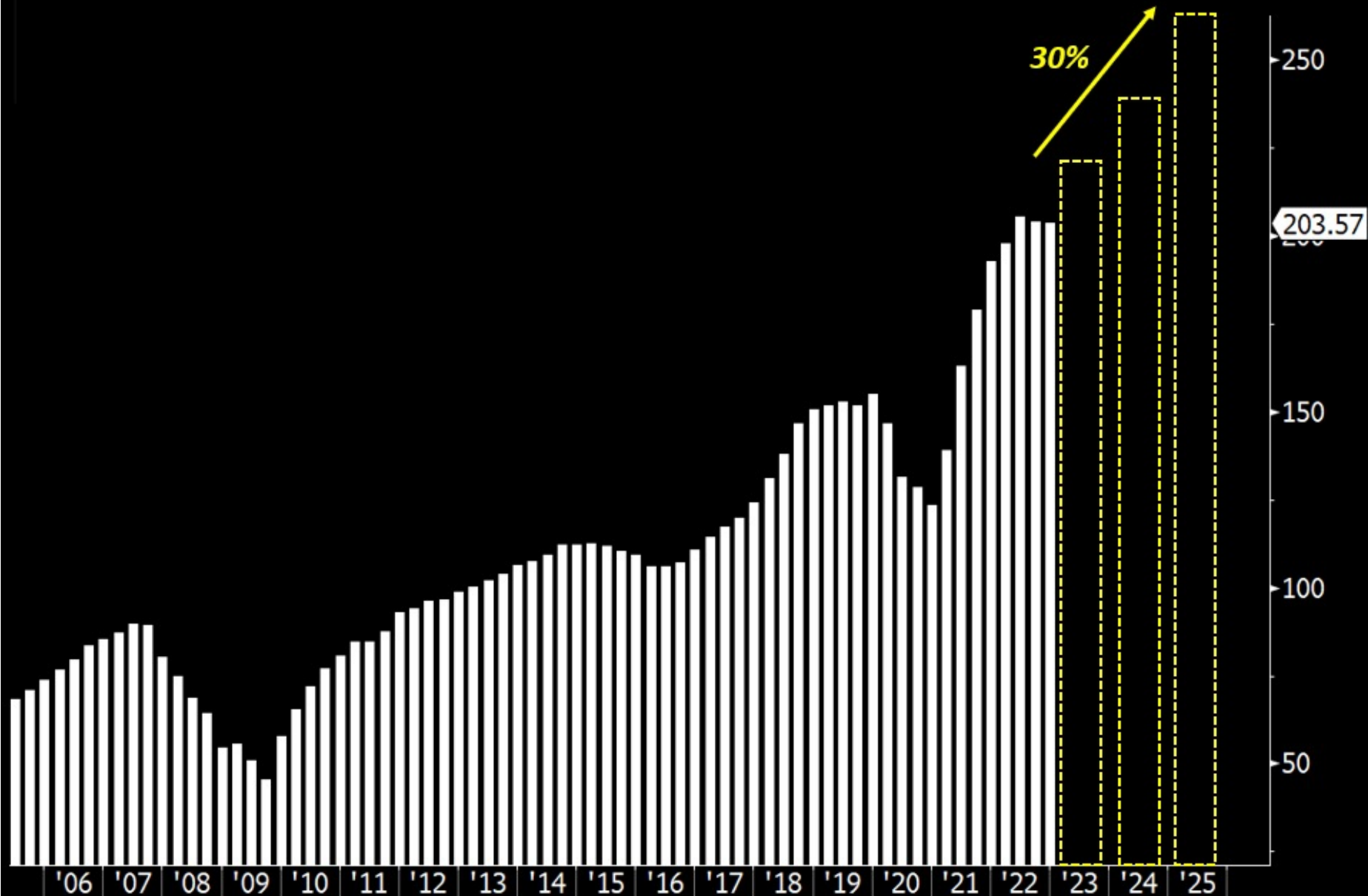
Global  
Financial Crisis

Source: Bloomberg

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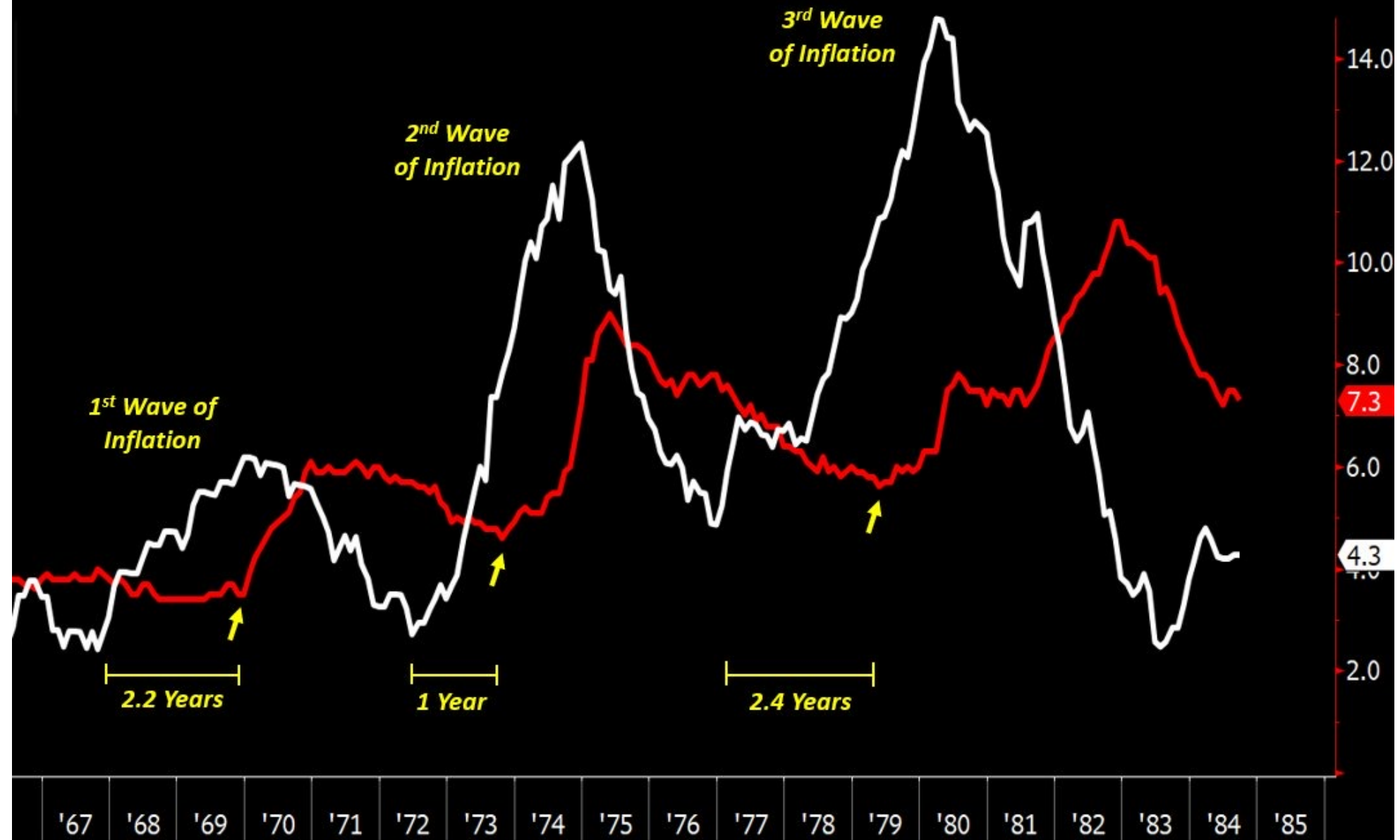
# S&P 500 Earnings Per Share Estimates



Source: Bloomberg

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# 1960-70s: Inflation Led to Higher Unemployment Rates

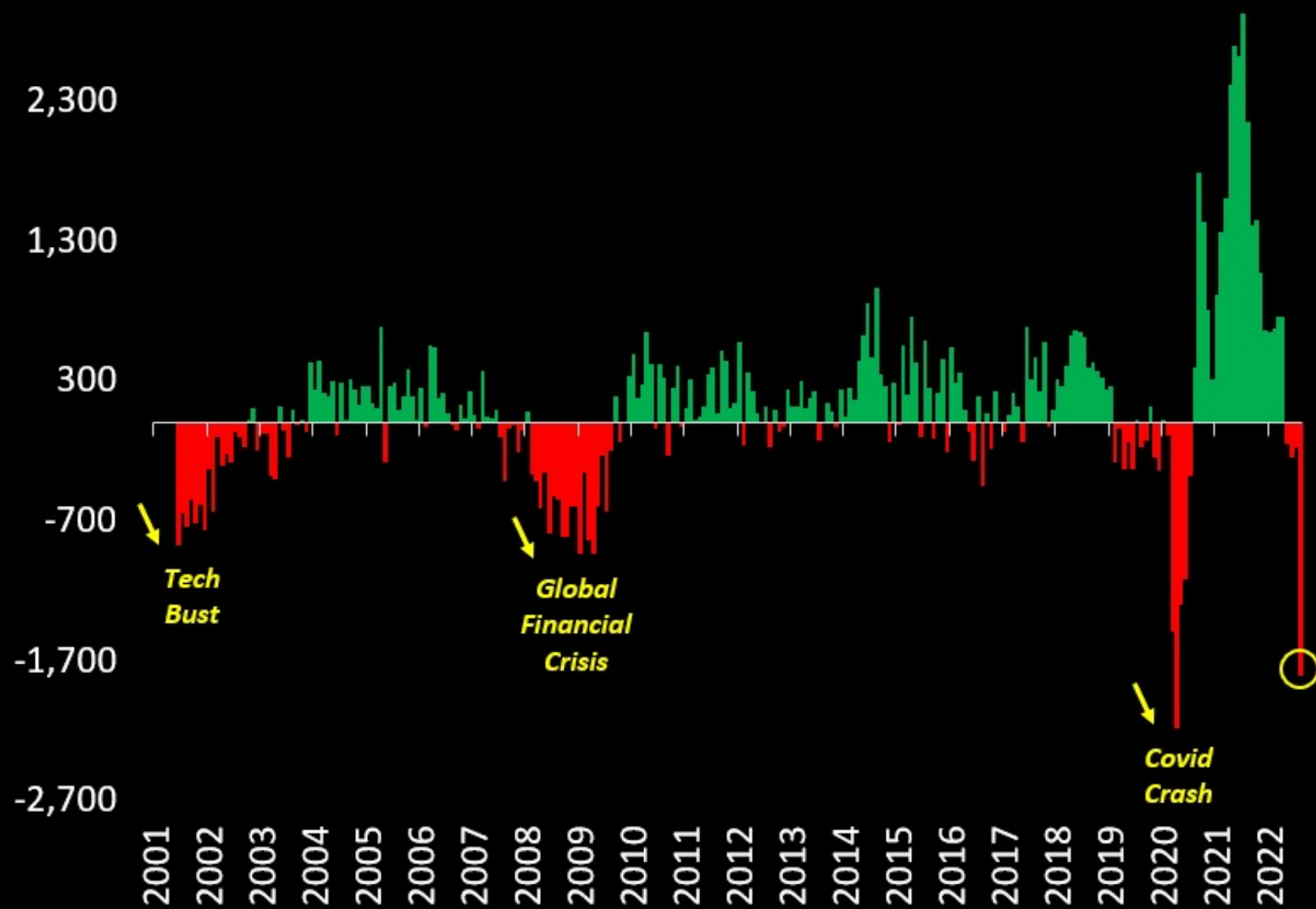


Source: Bloomberg

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# US Job Openings

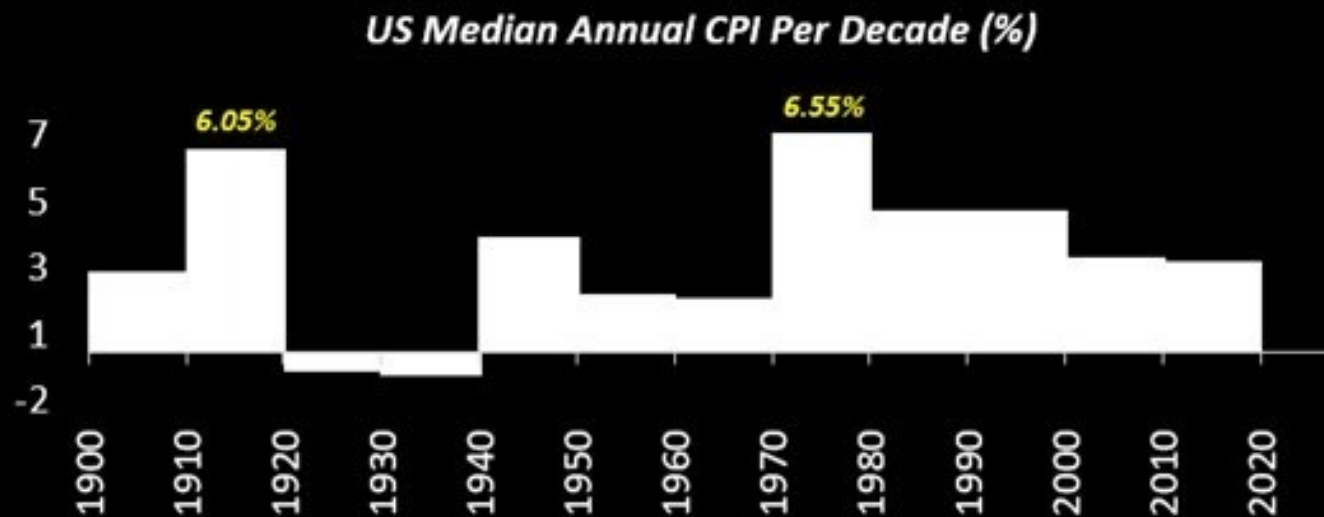
4-Month Change in Thousands of Persons



Source: BLS

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# Stocks During Inflationary Periods





# US Market Cap to GDP (%)

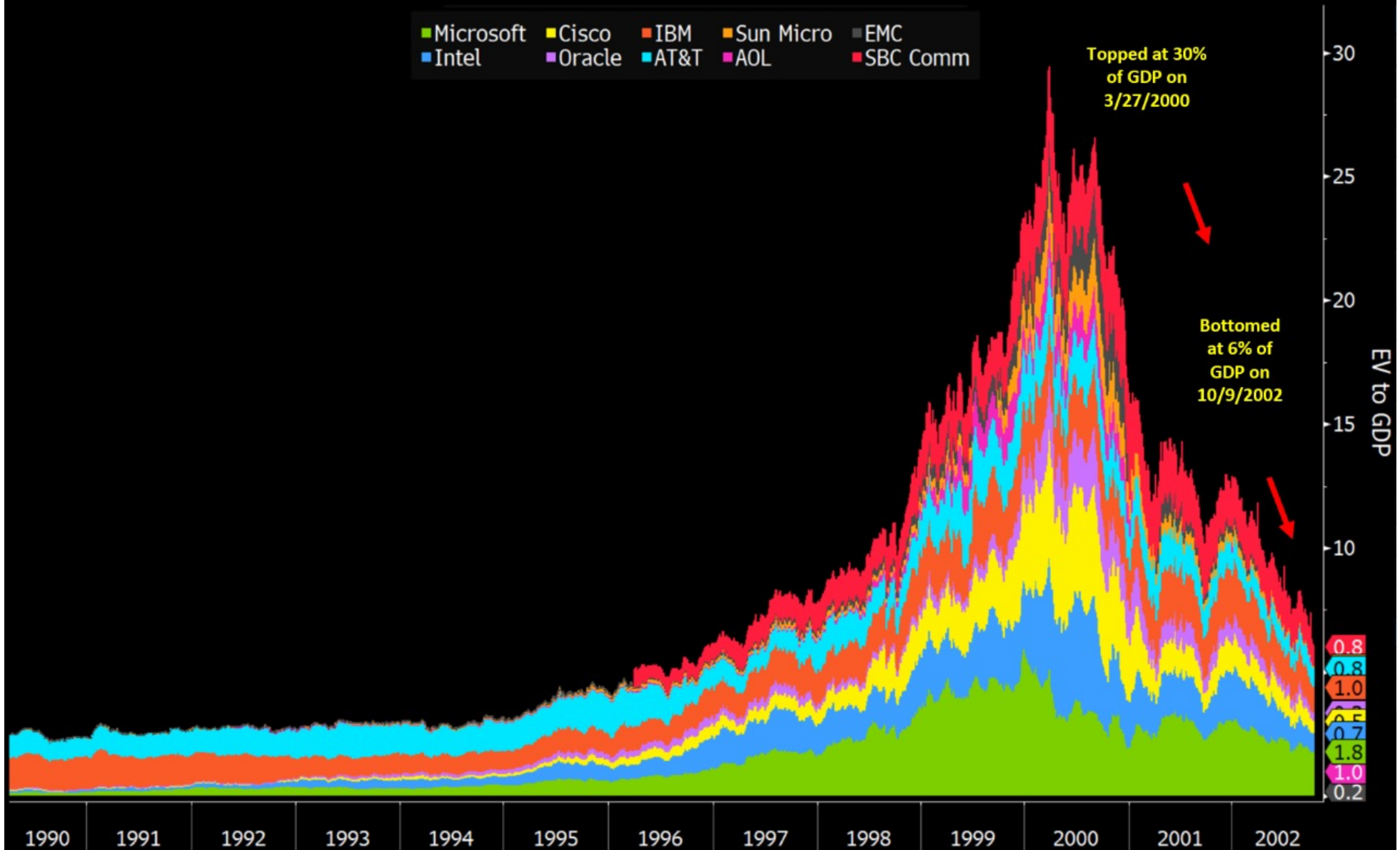


Source: Bloomberg

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# The Tech Bubble in 2000

*Top 10 US Technology Stocks by Market Cap at S&P 500 Peak (3/24/2000): Enterprise Value as % of GDP*

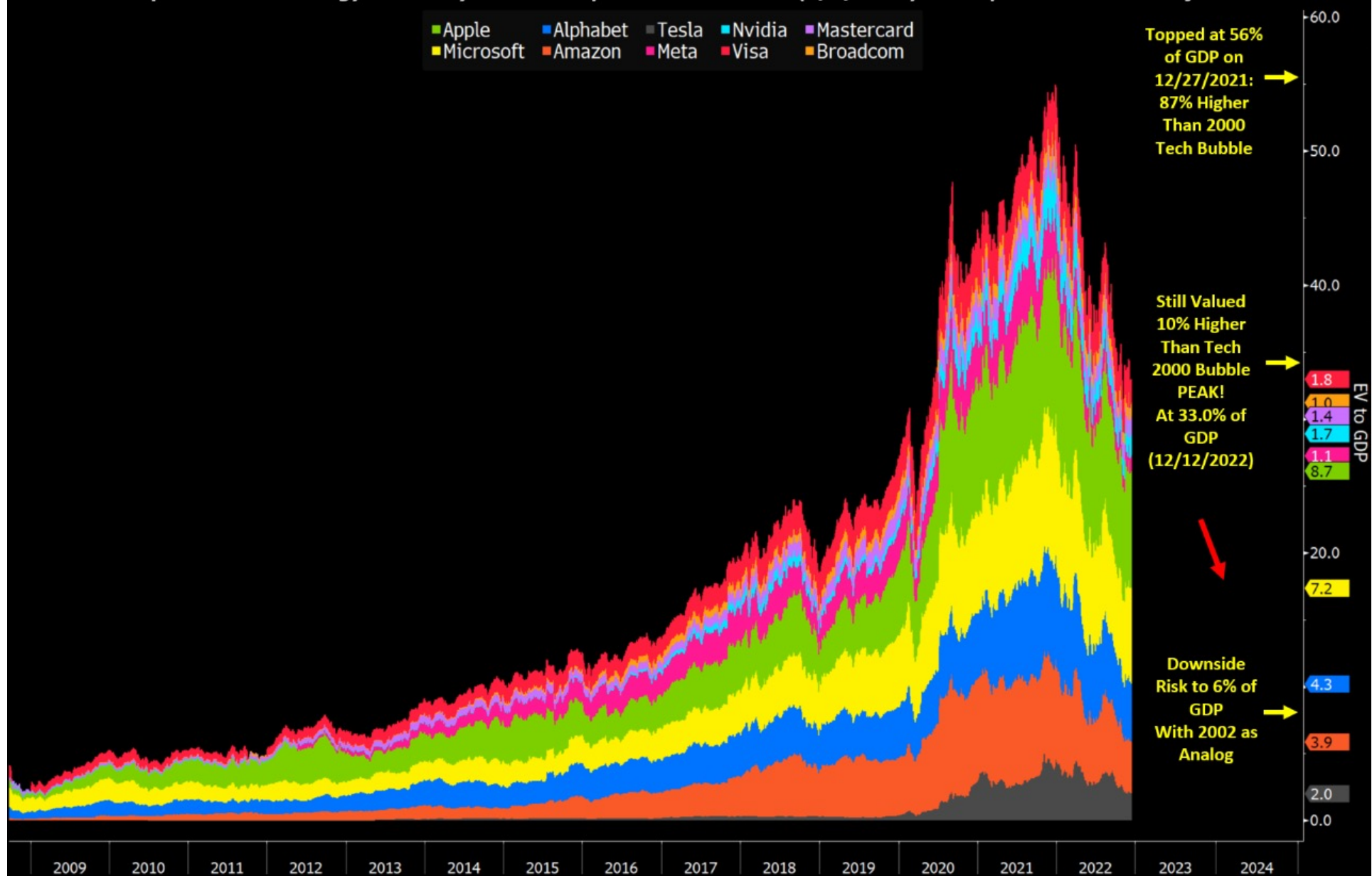


Source: Bloomberg

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# Megacap Tech Still More Overvalued than 2000 Top

Top 10 US Technology Stocks by Market Cap at S&P 500 Peak (1/3/2022): Enterprise Value as % of GDP



Source: Bloomberg

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# Mega Cap stocks-to-S&P 500 Equal Weighted Ratio



Source: Bloomberg

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# Microsoft: Free-Cash-Flow Yield



Source: Bloomberg

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# FAANG Revenue Real Growth (%)

*Median YoY Sales Growth - CPI YoY Growth*  
*Among FAANG: \$FB, \$AMZN, \$AAPL, \$NFLX, \$GOOGL*



Source: Bloomberg

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# BARRON'S

VOL. CI NO. 34 AUGUST 23, 2021 \$5.00

## The Unstoppable Rise of Big Tech

America's tech giants are under pressure from all sides, but their prospects are as bright as ever.

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# Apple vs. FAANG Stocks



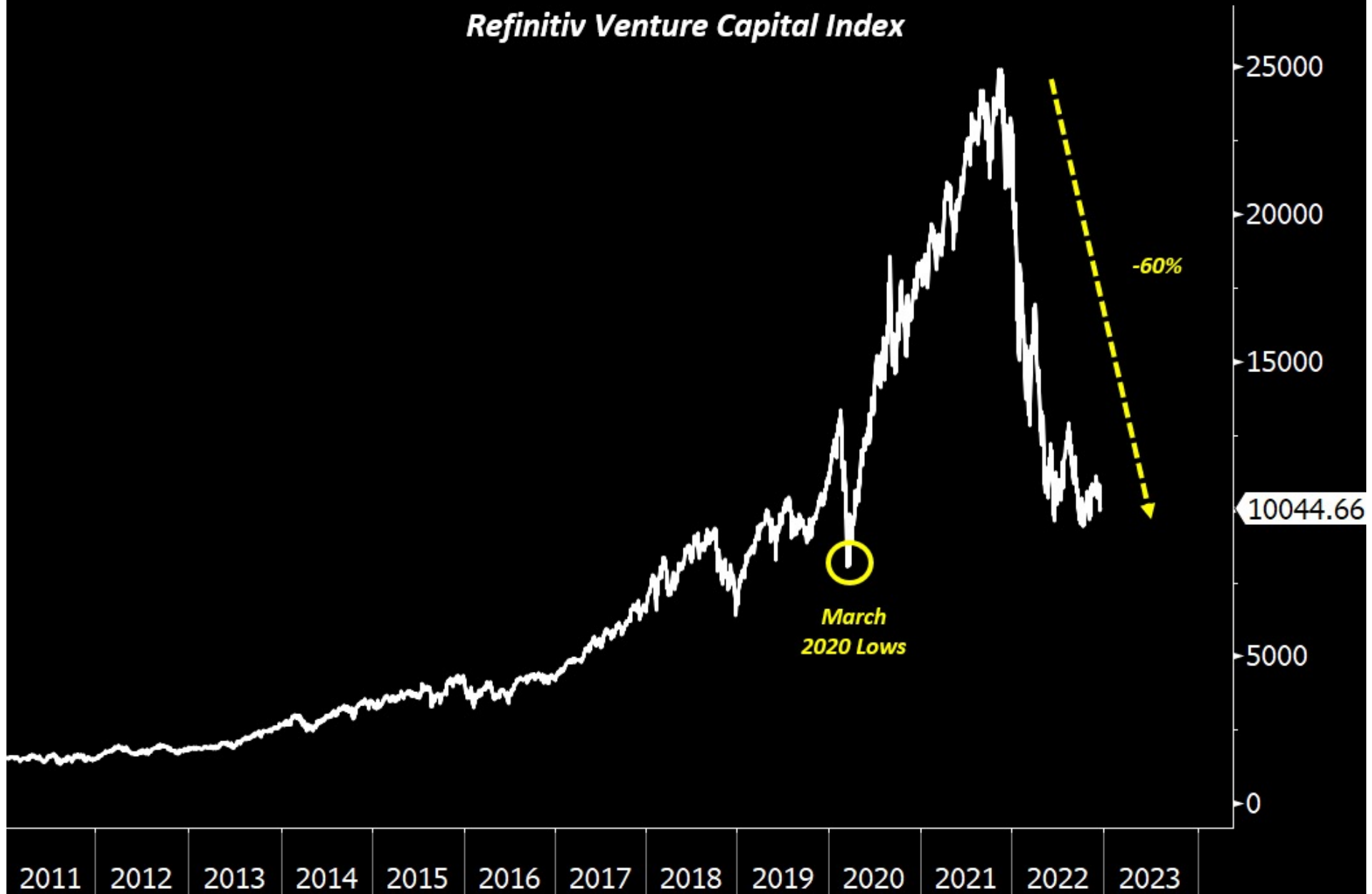
Source: Bloomberg; Tavi Costa

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# Venture Capital Index

*Refinitiv Venture Capital Index*



Source: Bloomberg

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# \$ARK ETF



Source: Bloomberg

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# Chinese Stocks

*\$MCHI ETF*



# DocuSign -- \$DOCU



Source: Bloomberg

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# META Platforms -- \$META



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# Amazon.com Inc. -- \$AMZN

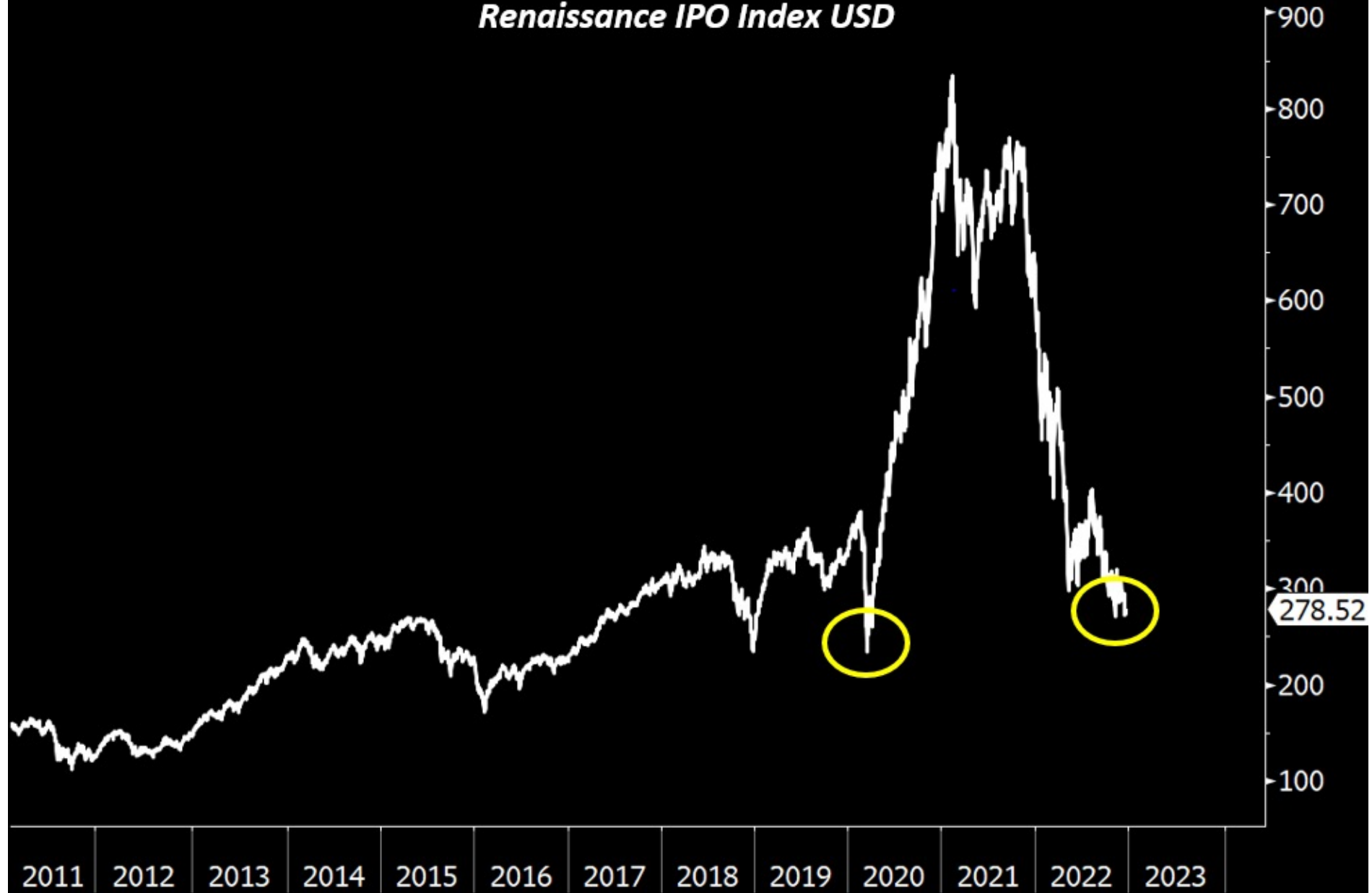


Source: Bloomberg

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# IPO Index

*Renaissance IPO Index USD*



Source: Bloomberg

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# Non-Profitable Technology Index

*GS Non-Profitable Tech*



Source: Bloomberg

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# Nasdaq Index



Source: Bloomberg

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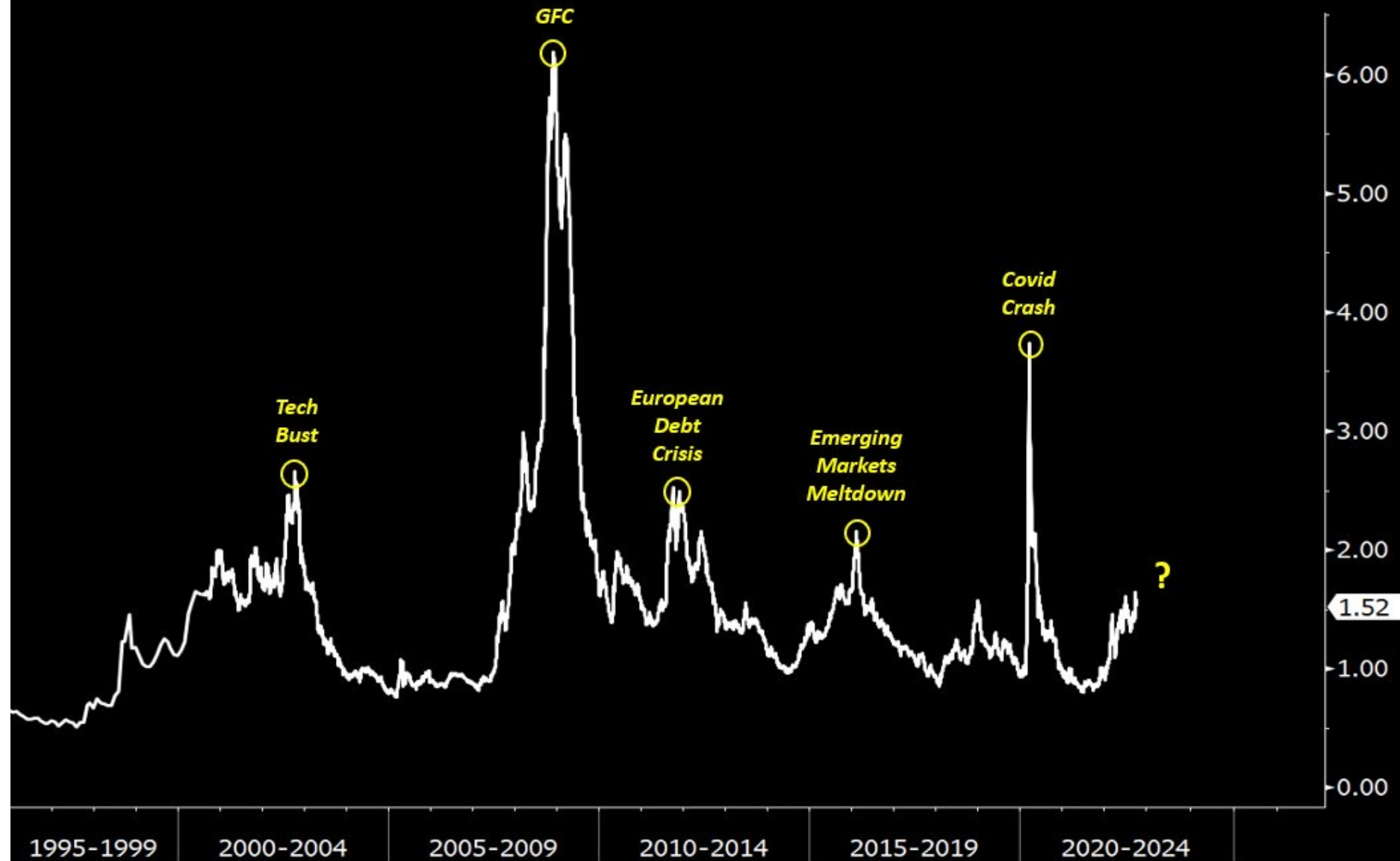
# S&P 500 Index





# US Credit Spreads

*Bloomberg US Agg Corporate Avg OAS*



Source: Bloomberg

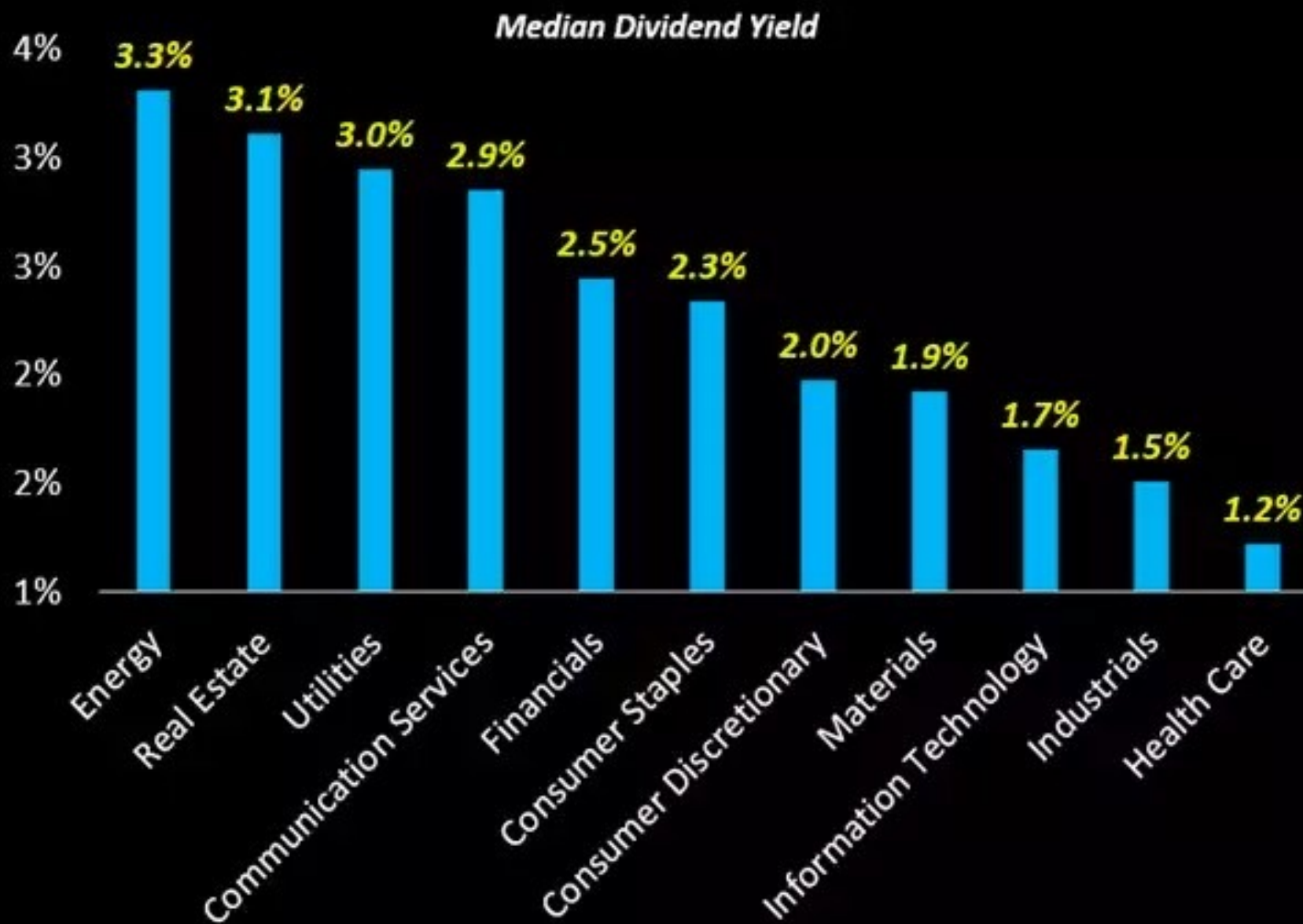
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# Growth vs. Value Stocks

Calculation:  $\text{Russell 1000 Growth} / \text{Russell 1000 Value}$



# Dividend Yield by S&P 500 Sector



# Commodities to Equity Ratio



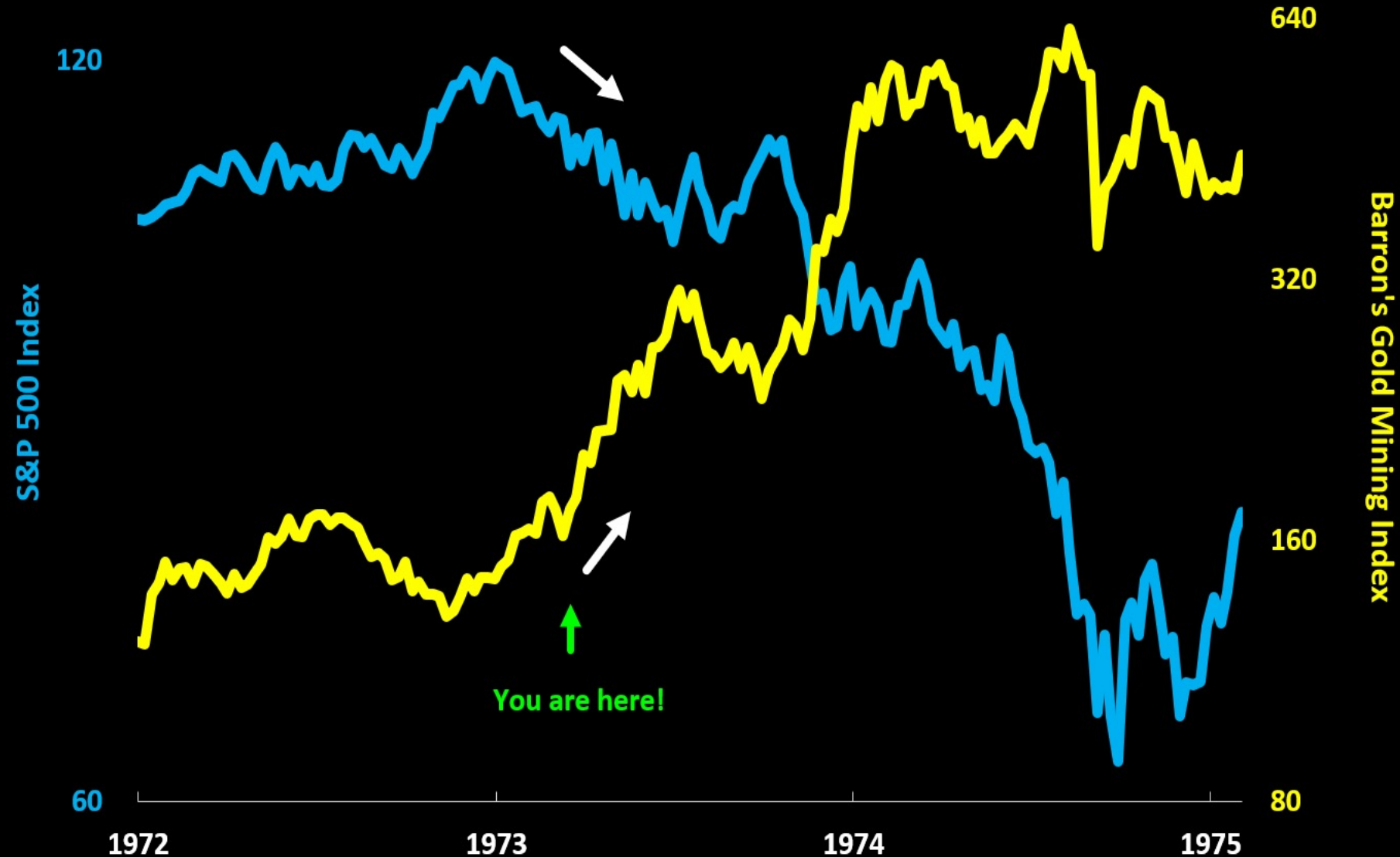
Source: Incrementum AG

GSCI Commodity Index vs. S&P 500 Index

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# Stagflationary Recession of 1973-74

*Barron's Gold Mining Index vs. S&P 500*





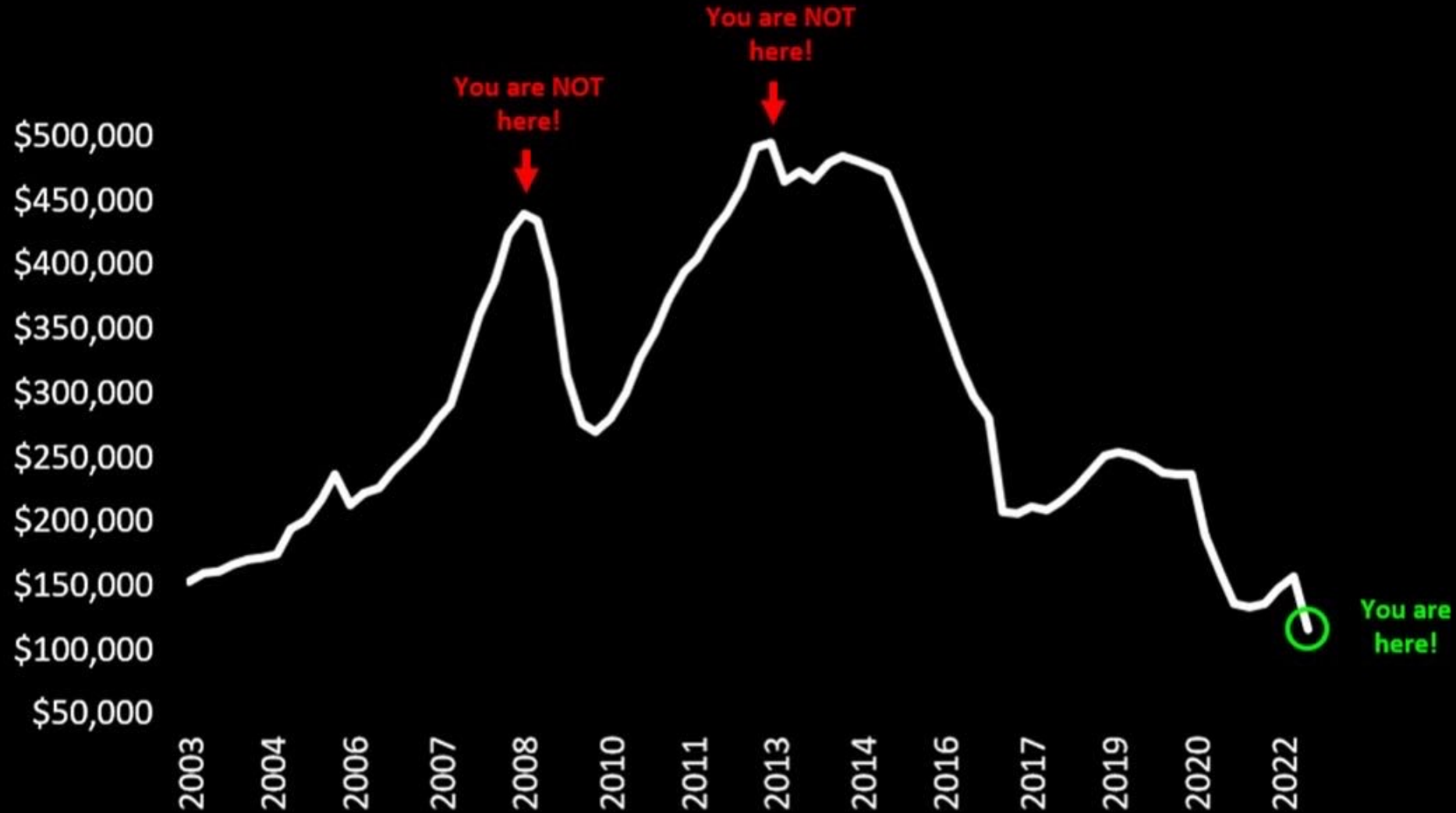
# Early 2000's Tech Bust

*Philadelphia Gold and Silver Index vs. Nasdaq Composite*



# Commodity Producers: Capex Cycle Adjusted For GDP

*Aggregate Trailing 12-Months of Capex in USD Millions*



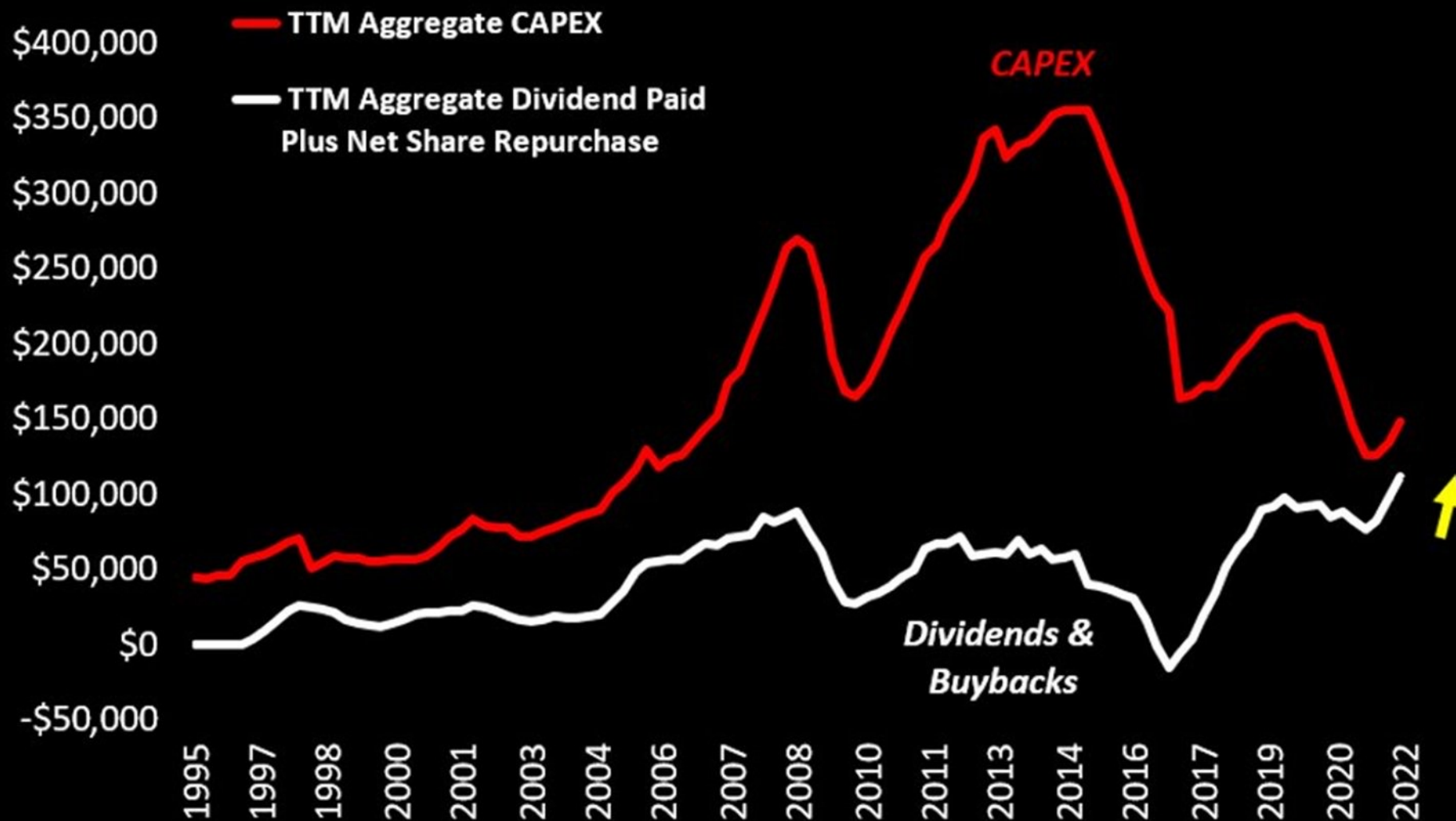
*Commodity Producers With Market Cap Above \$1B in the Canadian & US Stock Exchanges*

Source: Bloomberg

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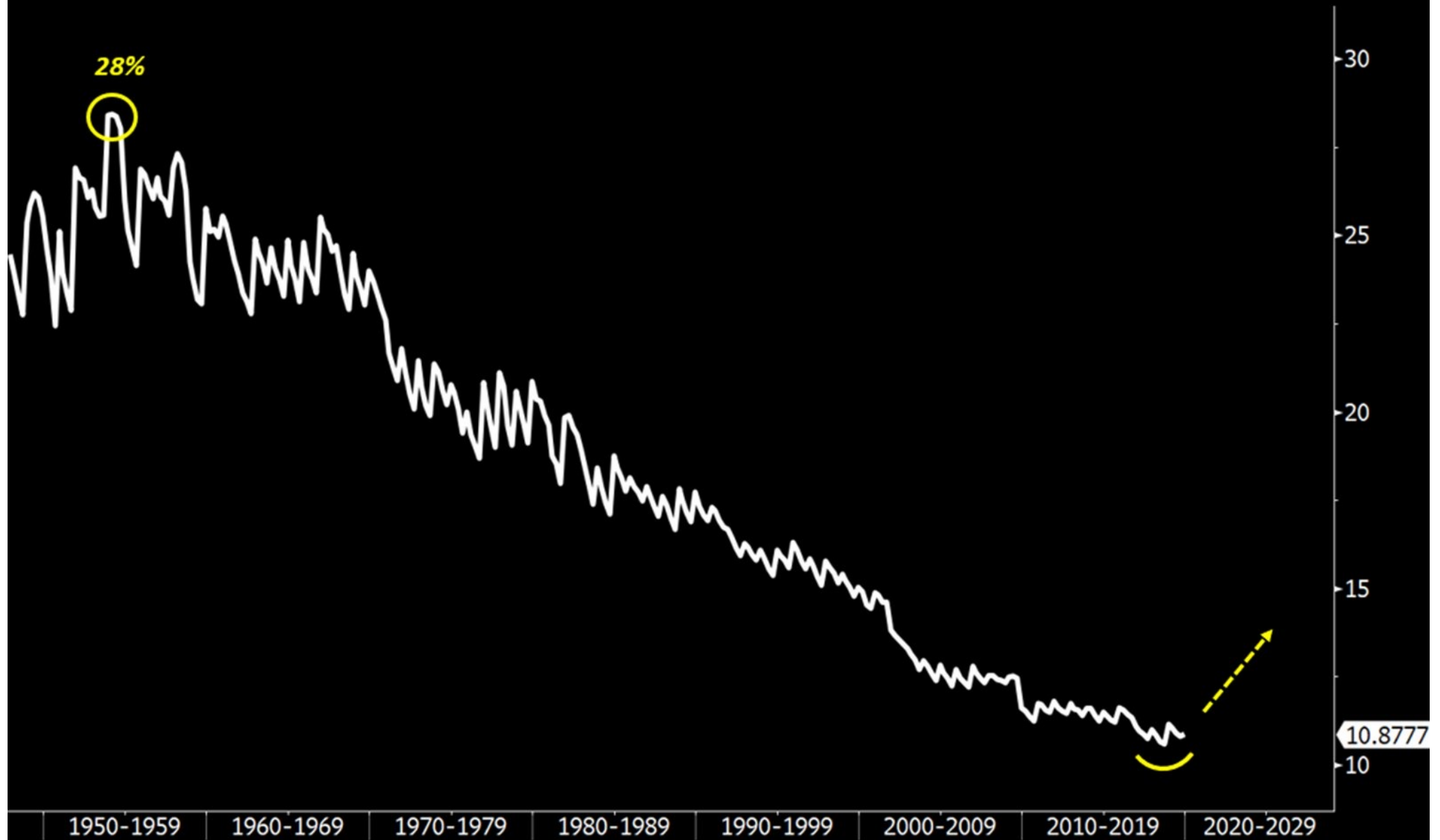
# Commodity Producers: CAPEX vs. Dividends + Buybacks

USD Millions



Commodity Producers With Market Cap Above \$1B in the Canadian & US Stock Exchanges

# US Manufacturing Relative to GDP (%)

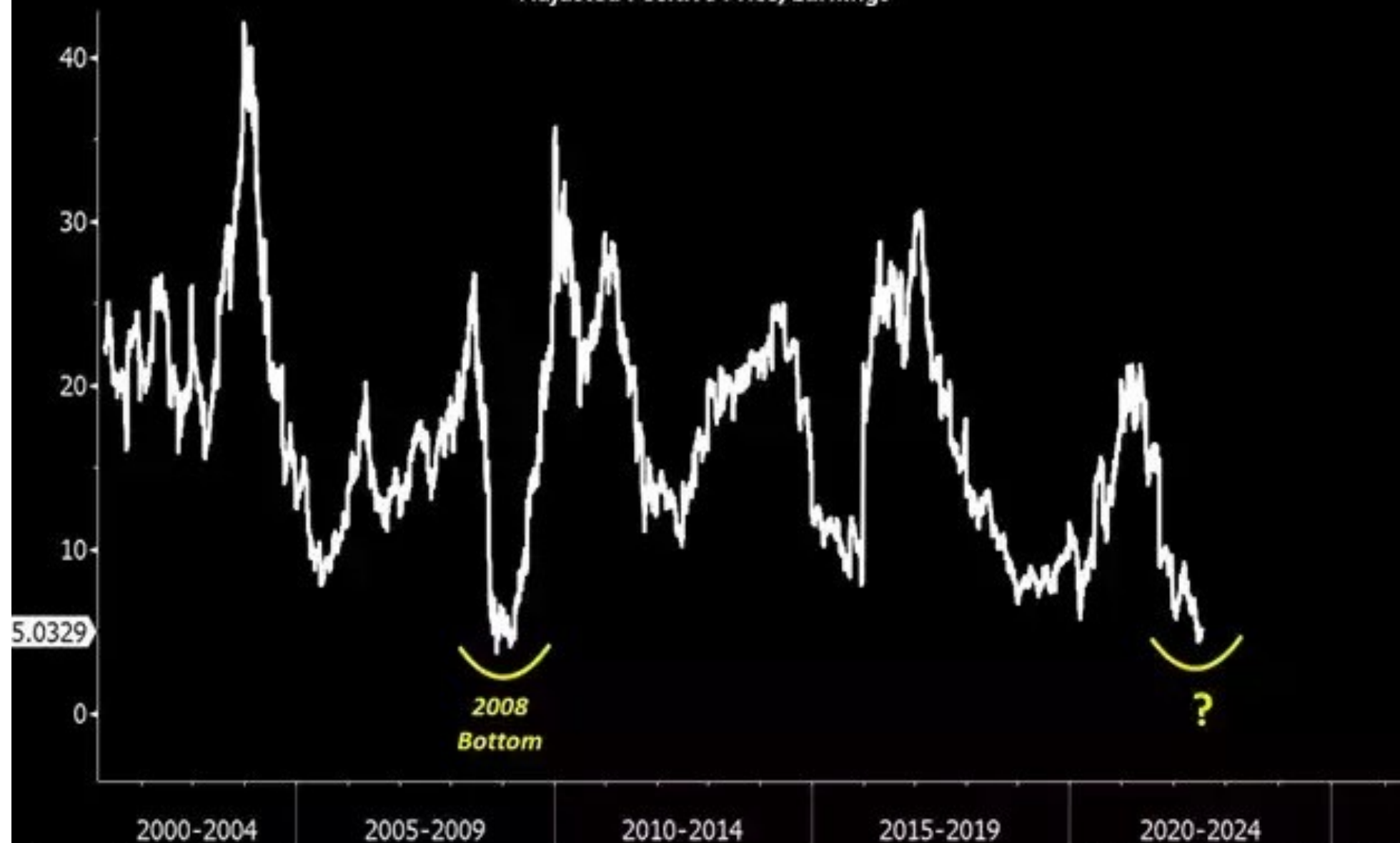


Source: Bloomberg

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# S&P 500 Metals & Mining Index

*Adjusted Positive Price/Earnings*

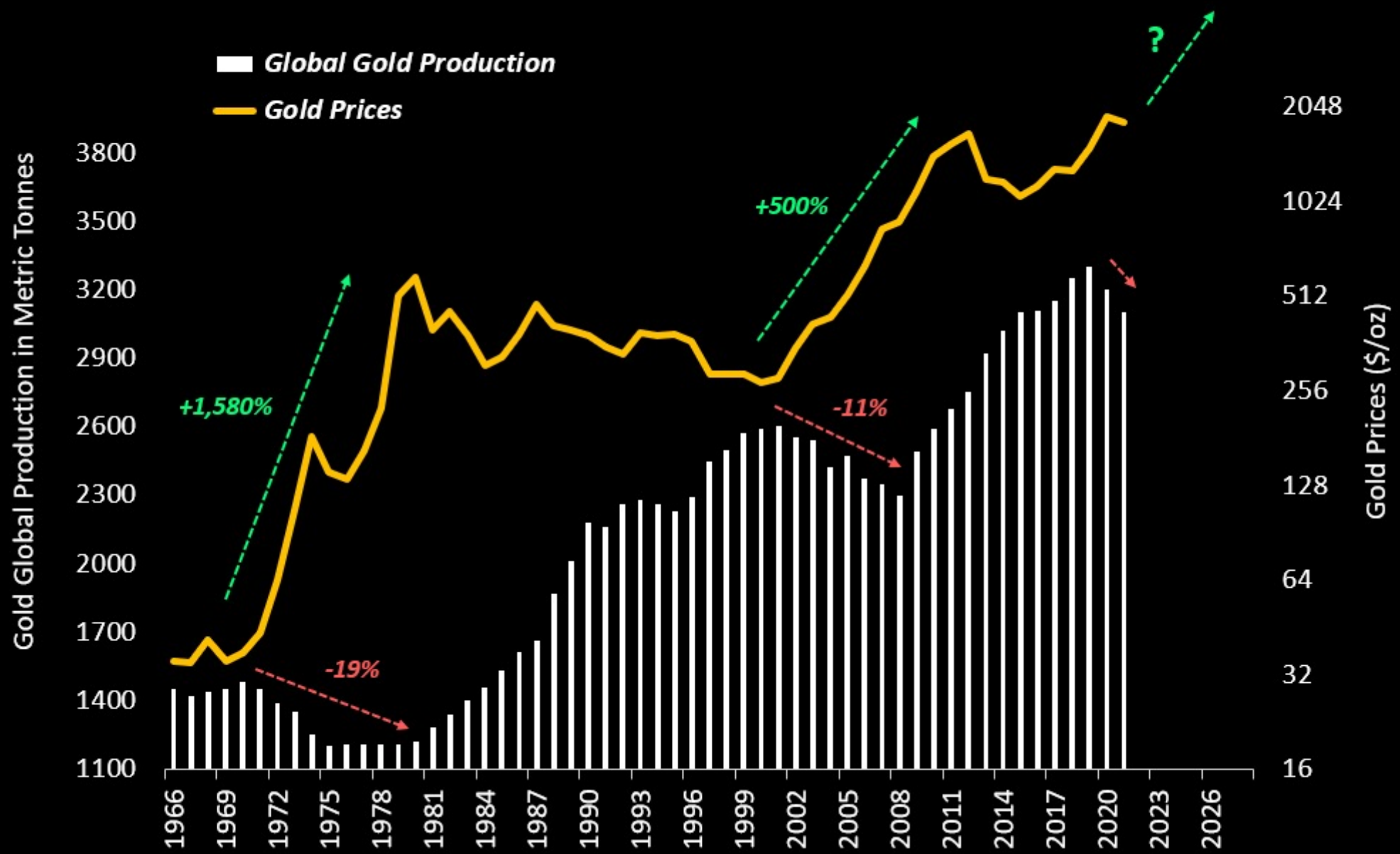


Source: Bloomberg

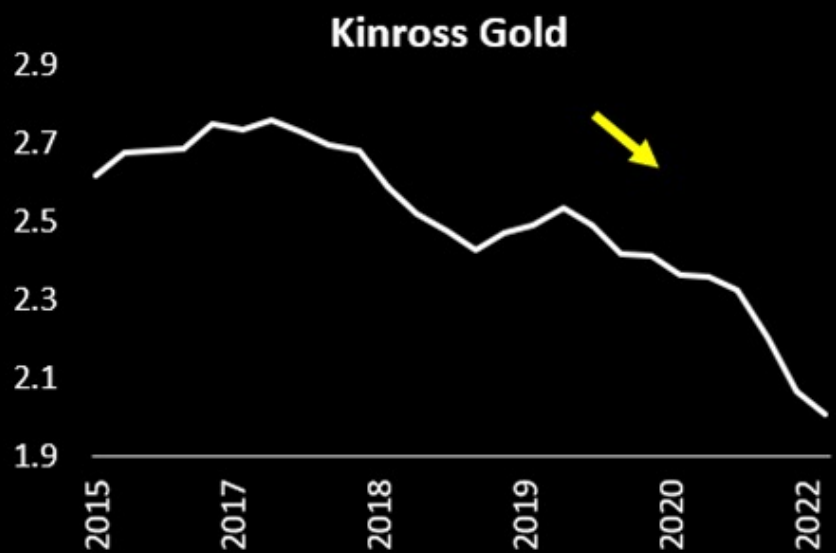
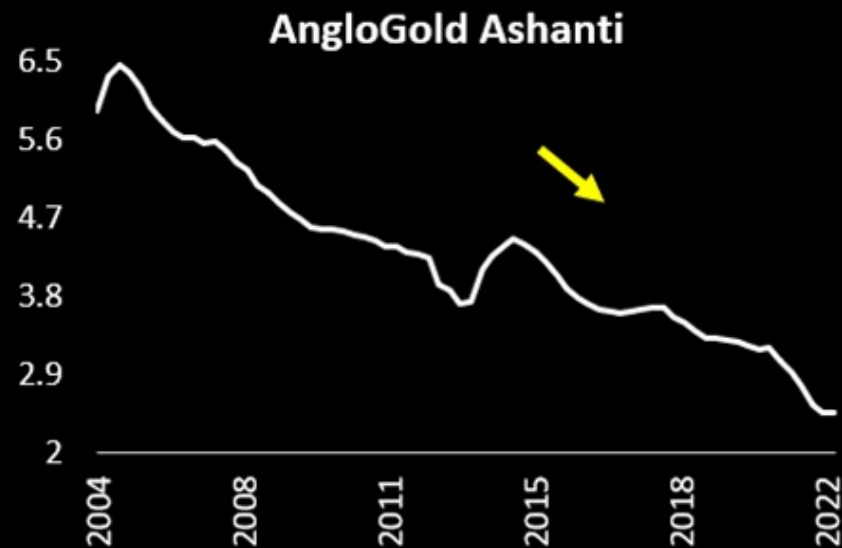
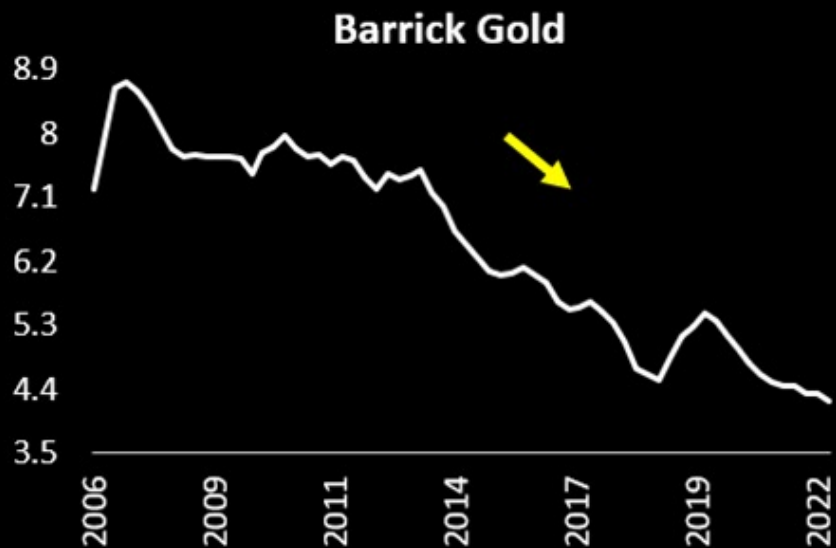
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# Global Gold Production vs. Gold Prices

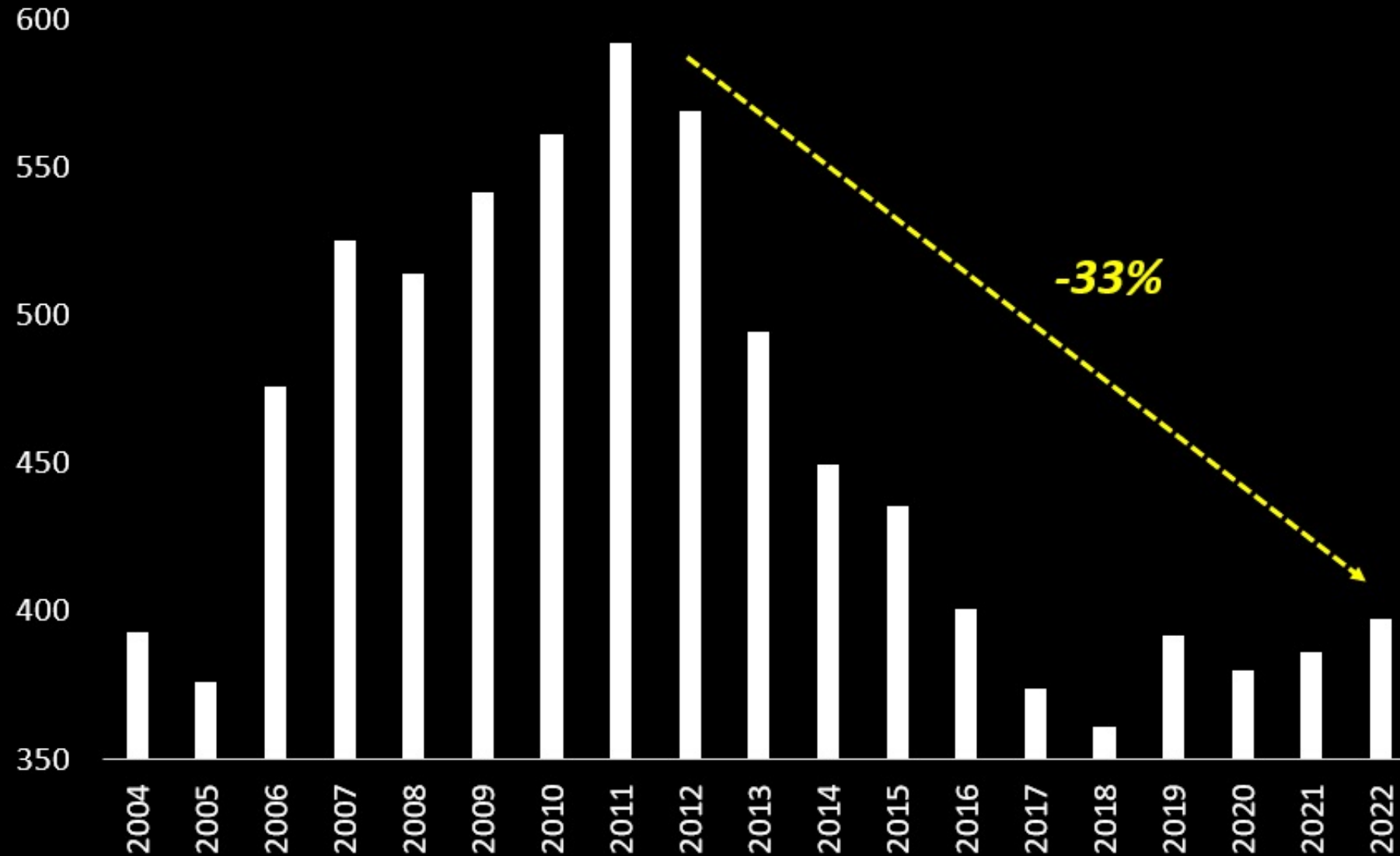


# Gold Production: TTM in Millions of Ounces

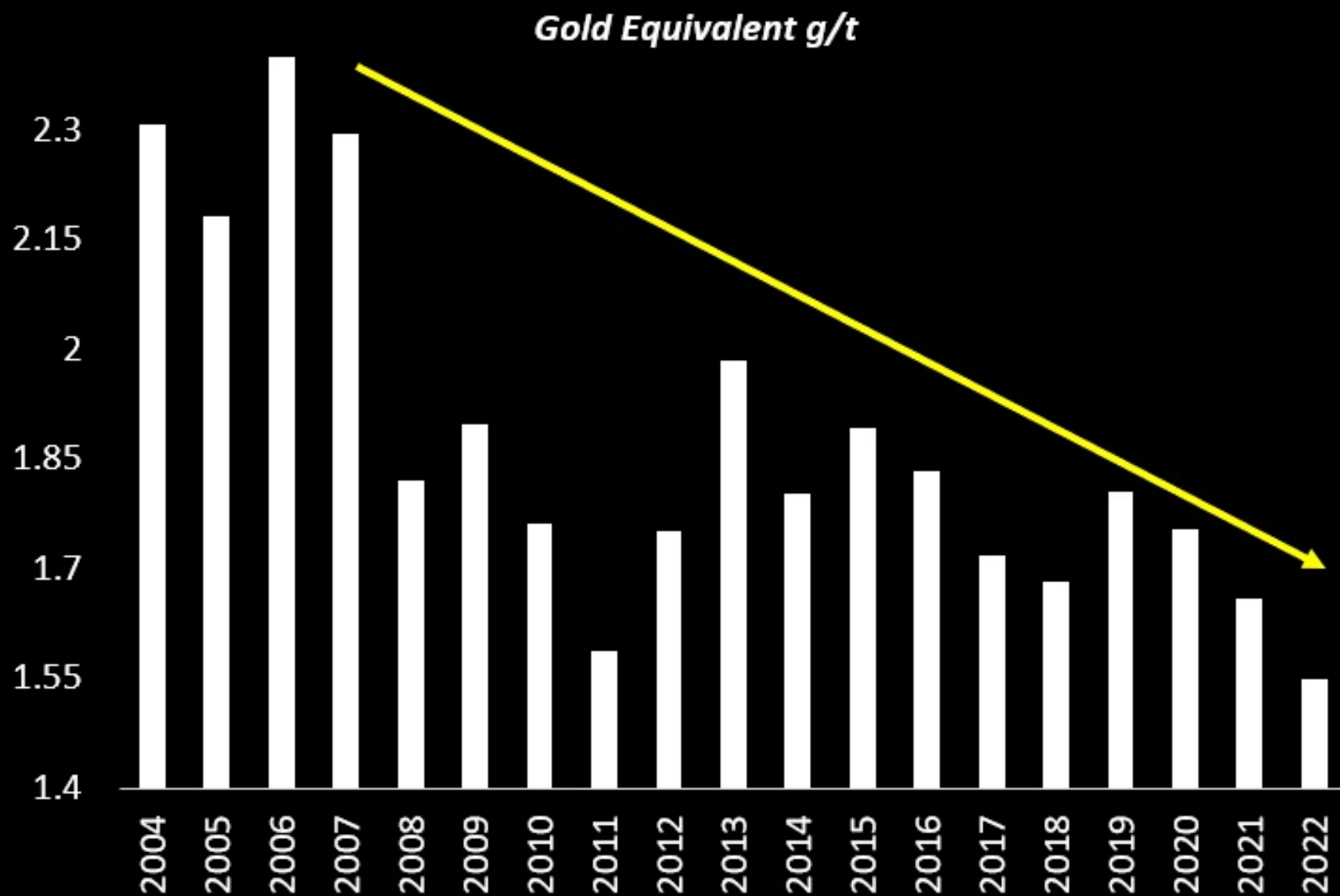


# Gold Reserves by the Top 10 Miners

*Millions of Ounces*



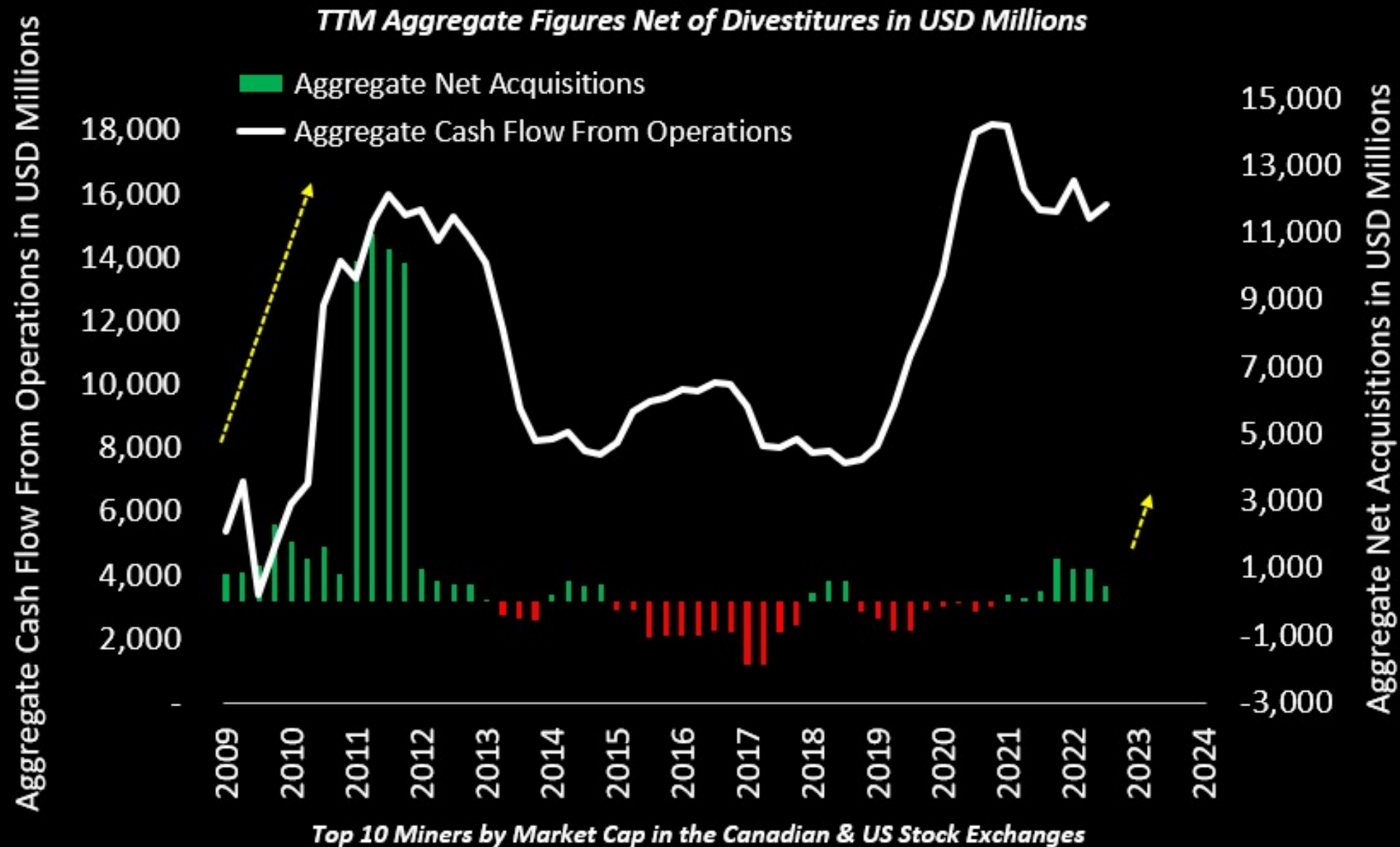
## Top 10 Gold Miners: Average Grade for Existing Gold Reserves



Source: Bloomberg

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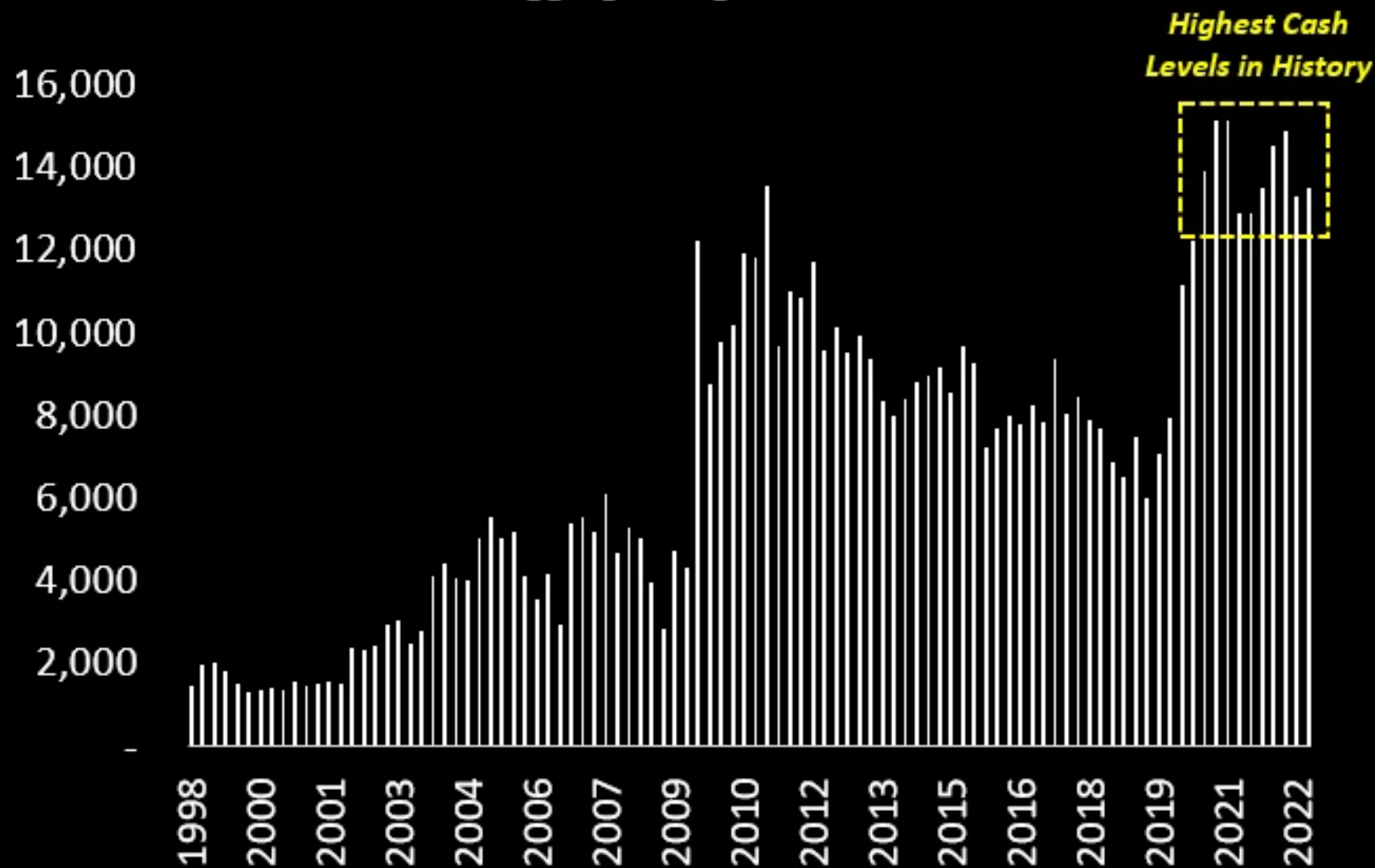
# Gold & Silver Miners: Net Acquisitions vs. Cash Flows





# Gold & Silver Miners: Cash Levels

*TTM Aggregate Figures in USD Millions*



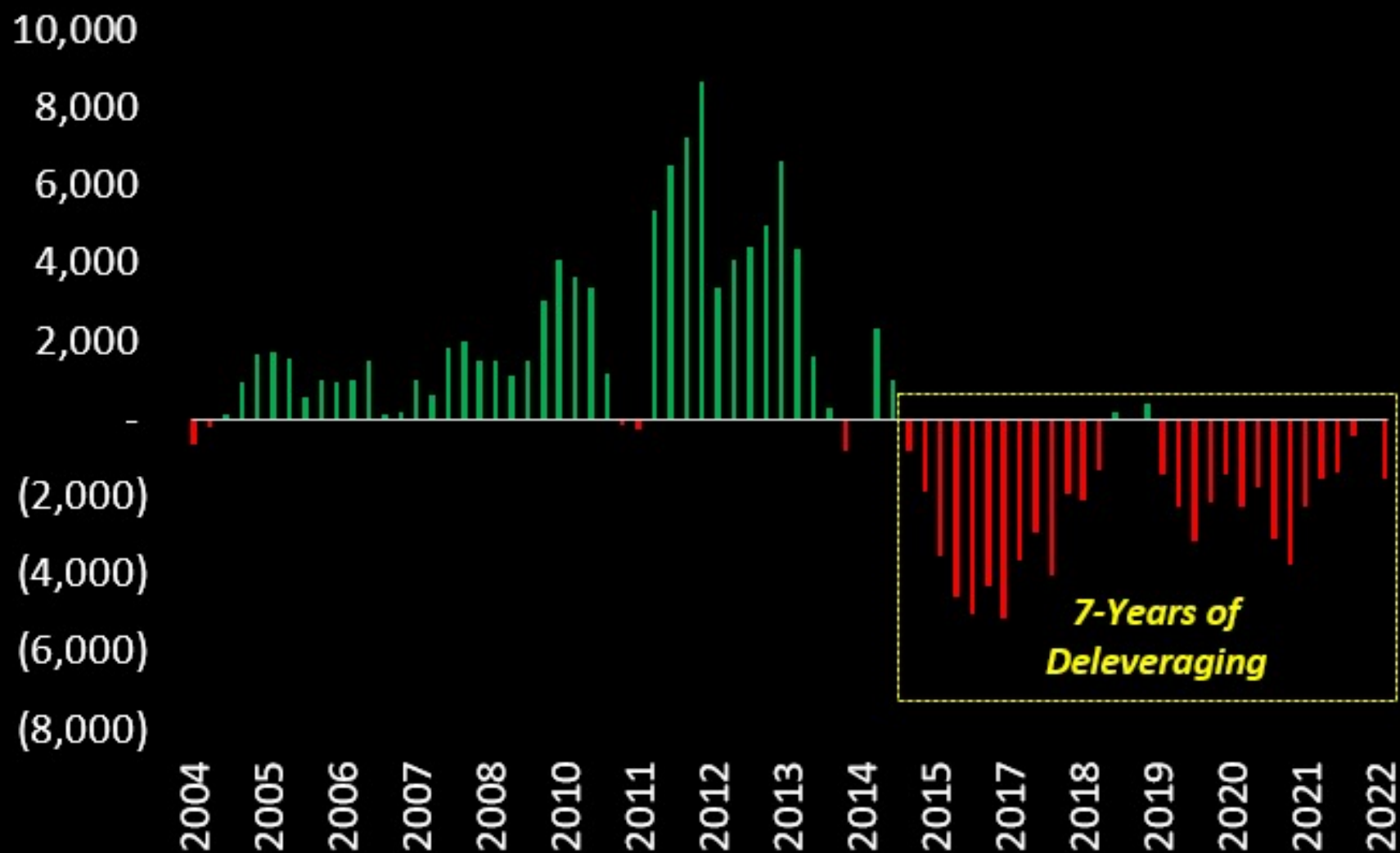
*Top 50 Miners by Market Cap in the Canadian & US Stock Exchanges*

Source: Bloomberg

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# Gold & Silver Miners: Debt Deductions

*TTM Net Debt Repayments in USD Millions*

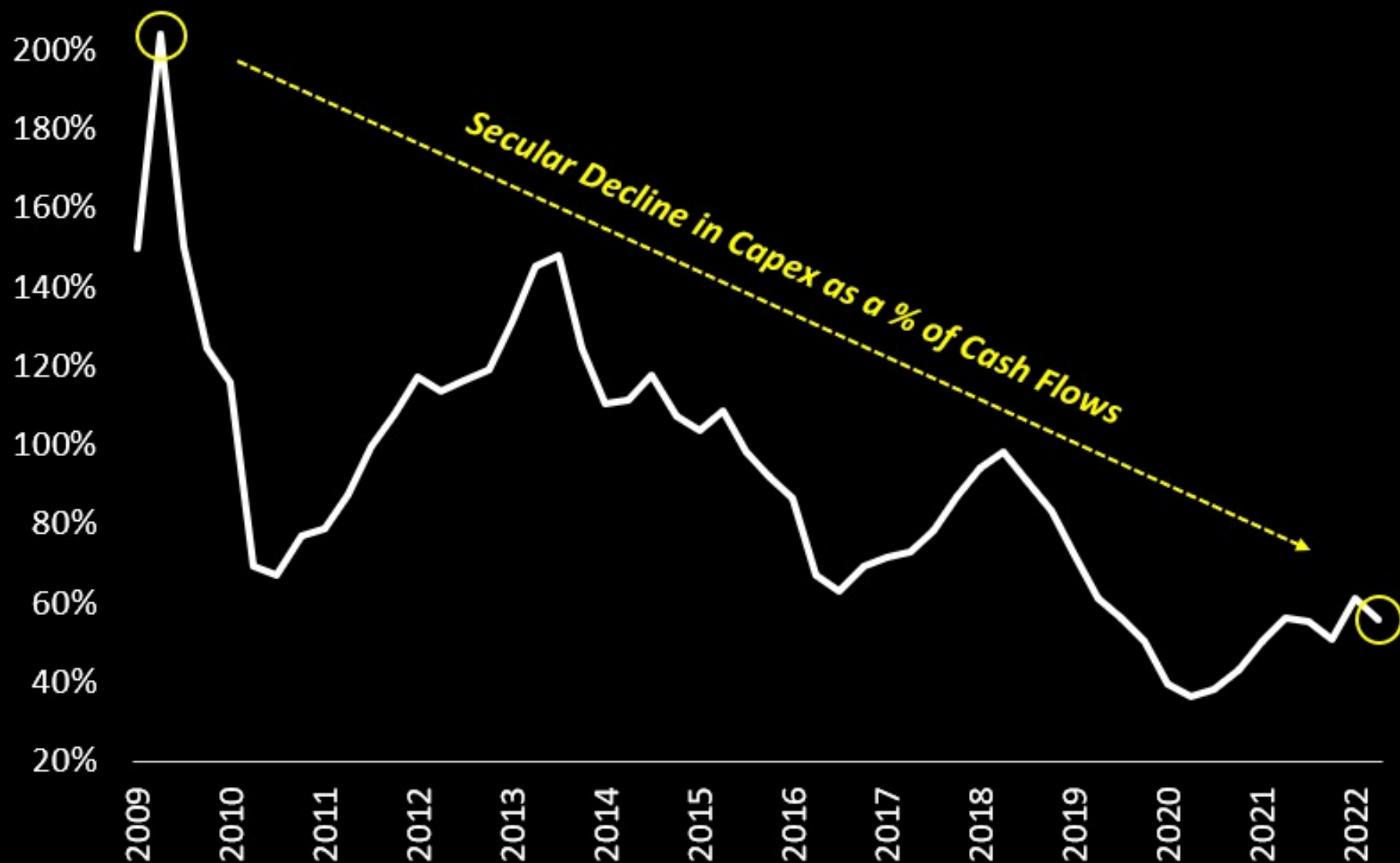


*Top 10 Miners by Market Cap in the Canadian & US Stock Exchanges*

Source: Bloomberg

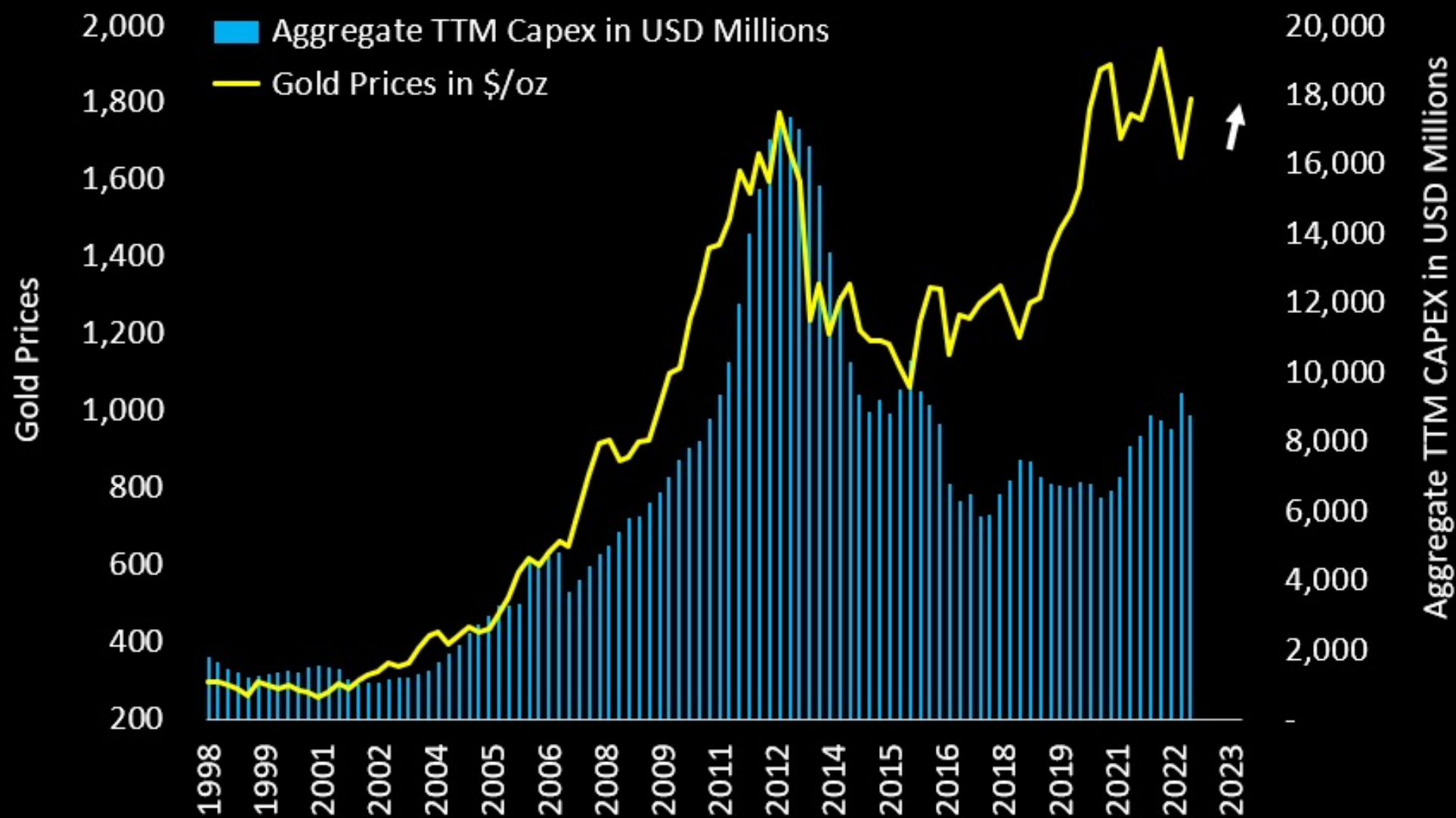
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# Gold & Silver Miners: Capex as a % of Cash Flows



*Top 10 Miners by Market Cap in the Canadian & US Stock Exchanges*

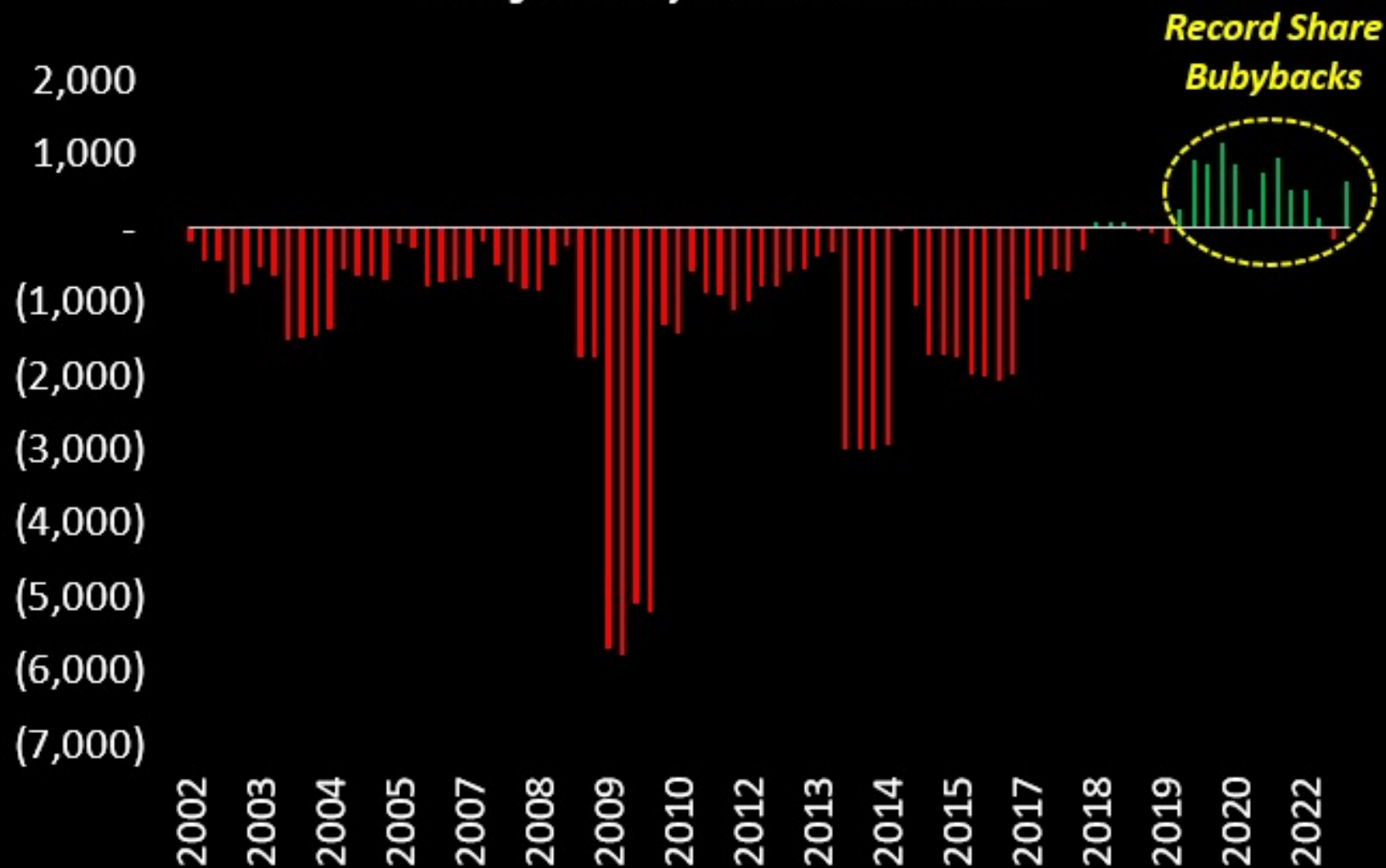
# Precious Metals Miners: Capex vs. Gold Prices



*Top 10 Miners by Market Cap in the Canadian & US Stock Exchanges*

# Gold & Silver Miners: Share Buybacks

*TTM Figures Net of Issuances in USD Billions*



*Top 10 Miners by Market Cap in the Canadian & US Stock Exchanges*

Source: Bloomberg

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# Newmont Mining: Dividend Yield (%)



Source: Bloomberg

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# Gold vs. Miners



Source: Bloomberg

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## Metals & Mining Industry As a % of the S&P 500 Index



Source: Bloomberg

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# Silver to Money Supply Ratio

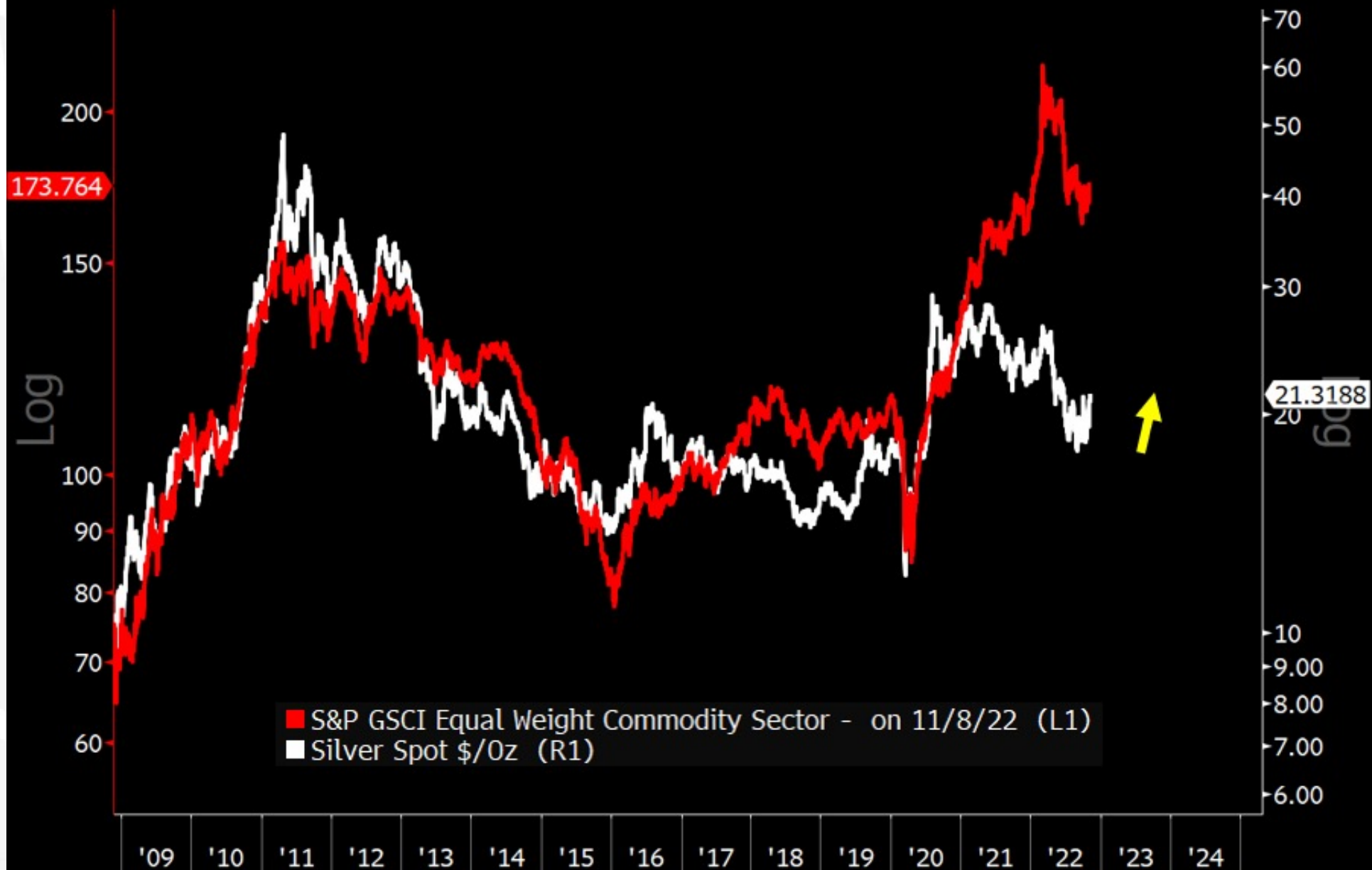
*Calculation: Silver / M2 Money Supply*



Source: Bloomberg

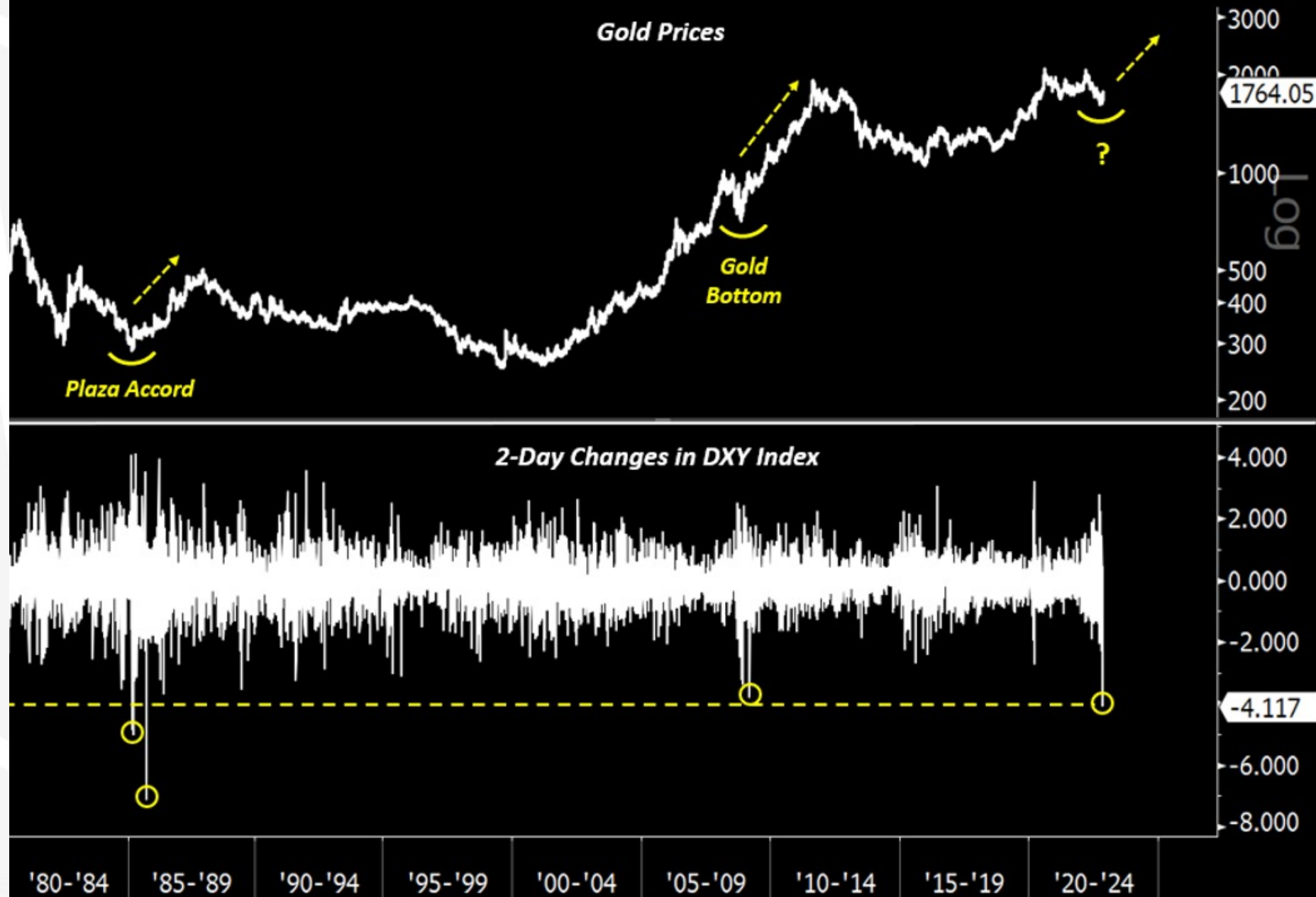
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# Silver vs. Commodities





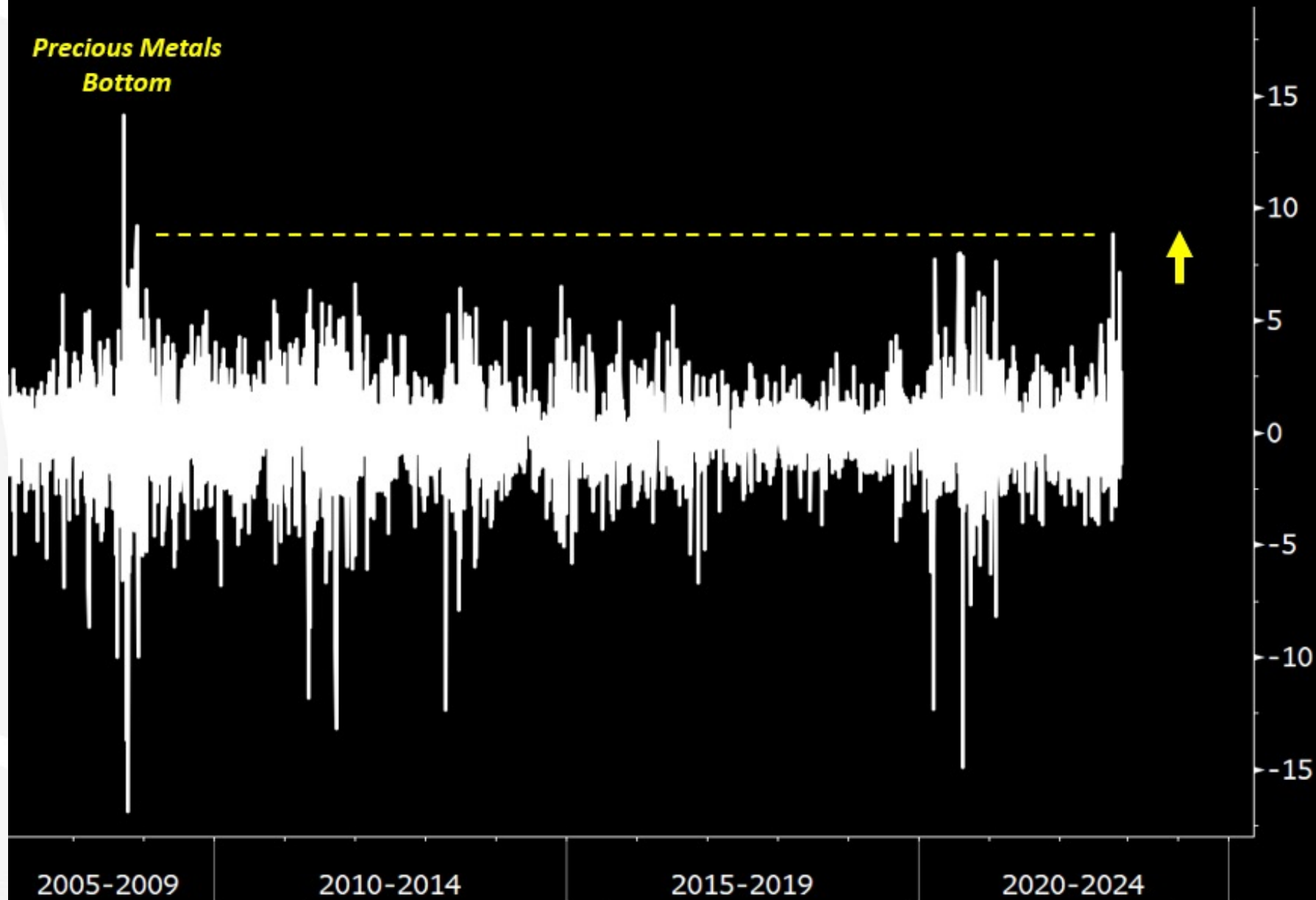
# Gold vs. 2-Day Changes in DXY



Source: Bloomberg

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# Silver Prices Daily Changes (%)



Source: Bloomberg

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# Agricultural Commodities

*Bloomberg Agriculture Subindex - Quarterly Candles*



Source: Bloomberg

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# Brazilian vs. US Stocks Since the GFC



Source: Bloomberg

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# Brazilian vs. US Stocks: From the Tech Bust to the Peak of the Housing Bubble





# Brazilian-to-US Stocks Ratio

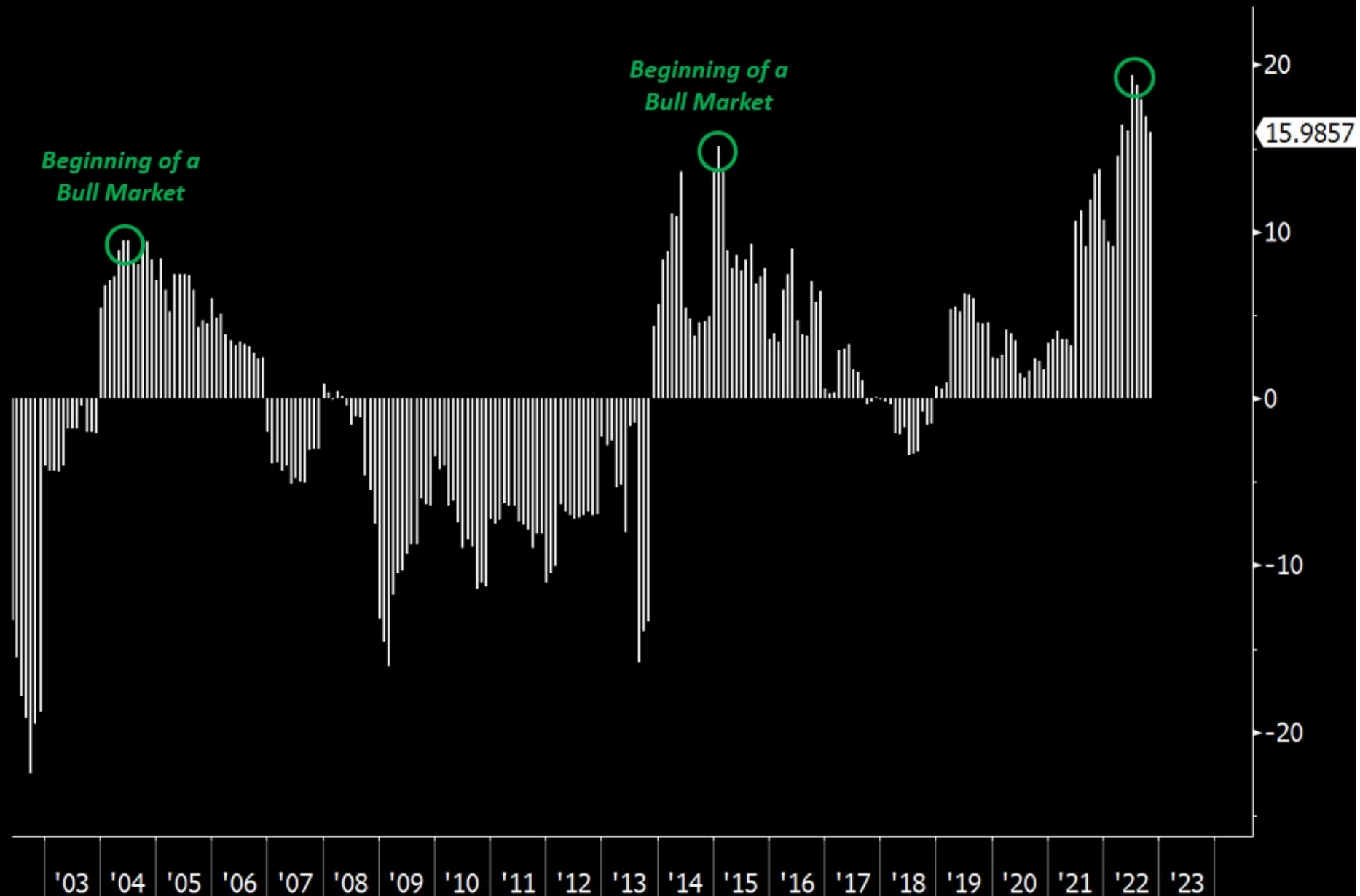


Source: Bloomberg

Ibovespa in USD / S&P 500

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# Brazilian vs. US Stocks: Free-Cash-Flow Yield Differential (%)



Source: Bloomberg

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# Brazilian Real vs. Japanese Yen



Source: Bloomberg

Ibovespa in USD / S&P 500

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# Brazilian Real vs. Chinese Yuan

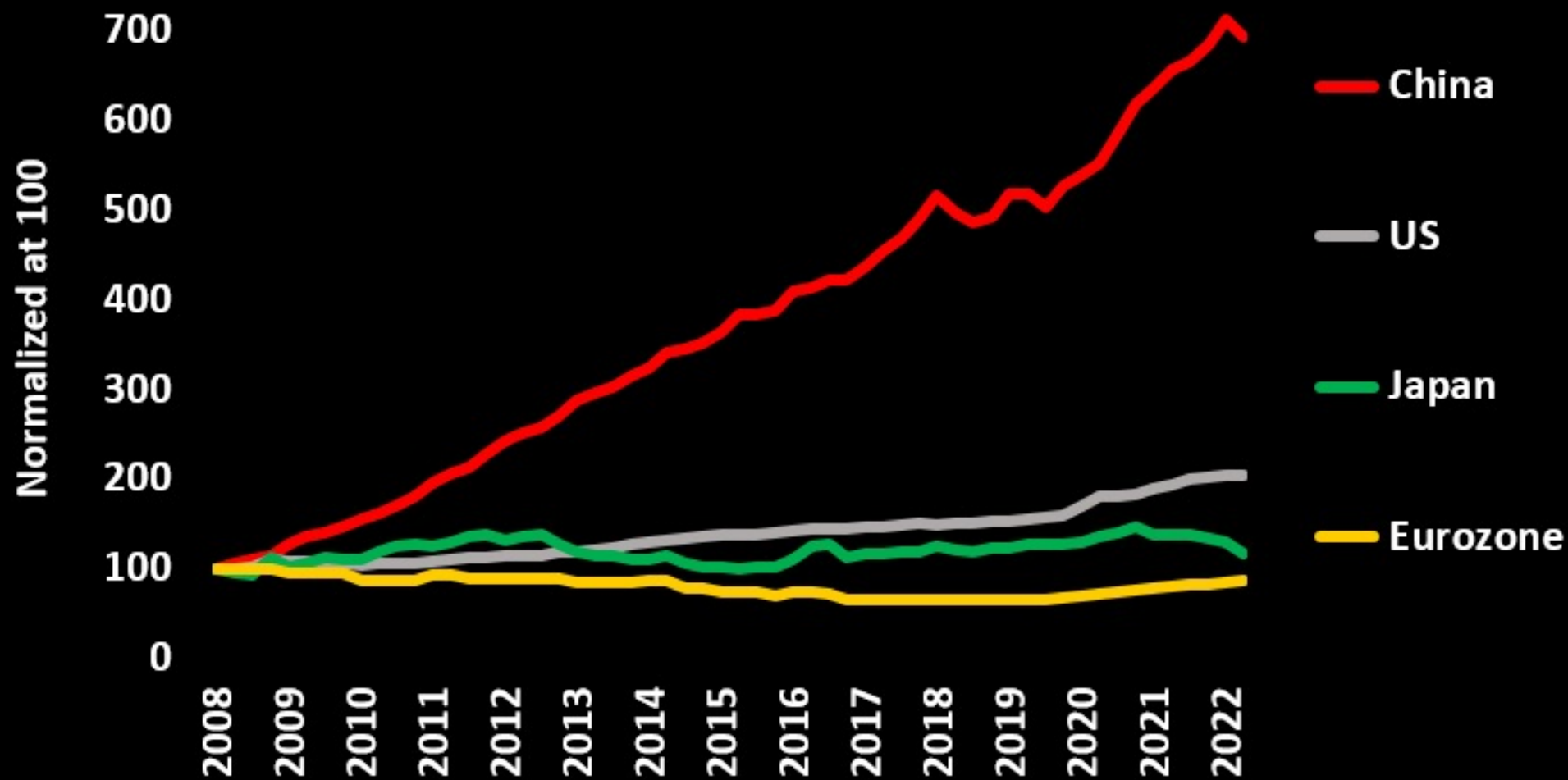


Source: Bloomberg

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# Banking Asset Growth

*Asset Growth Since 2008 by Country*

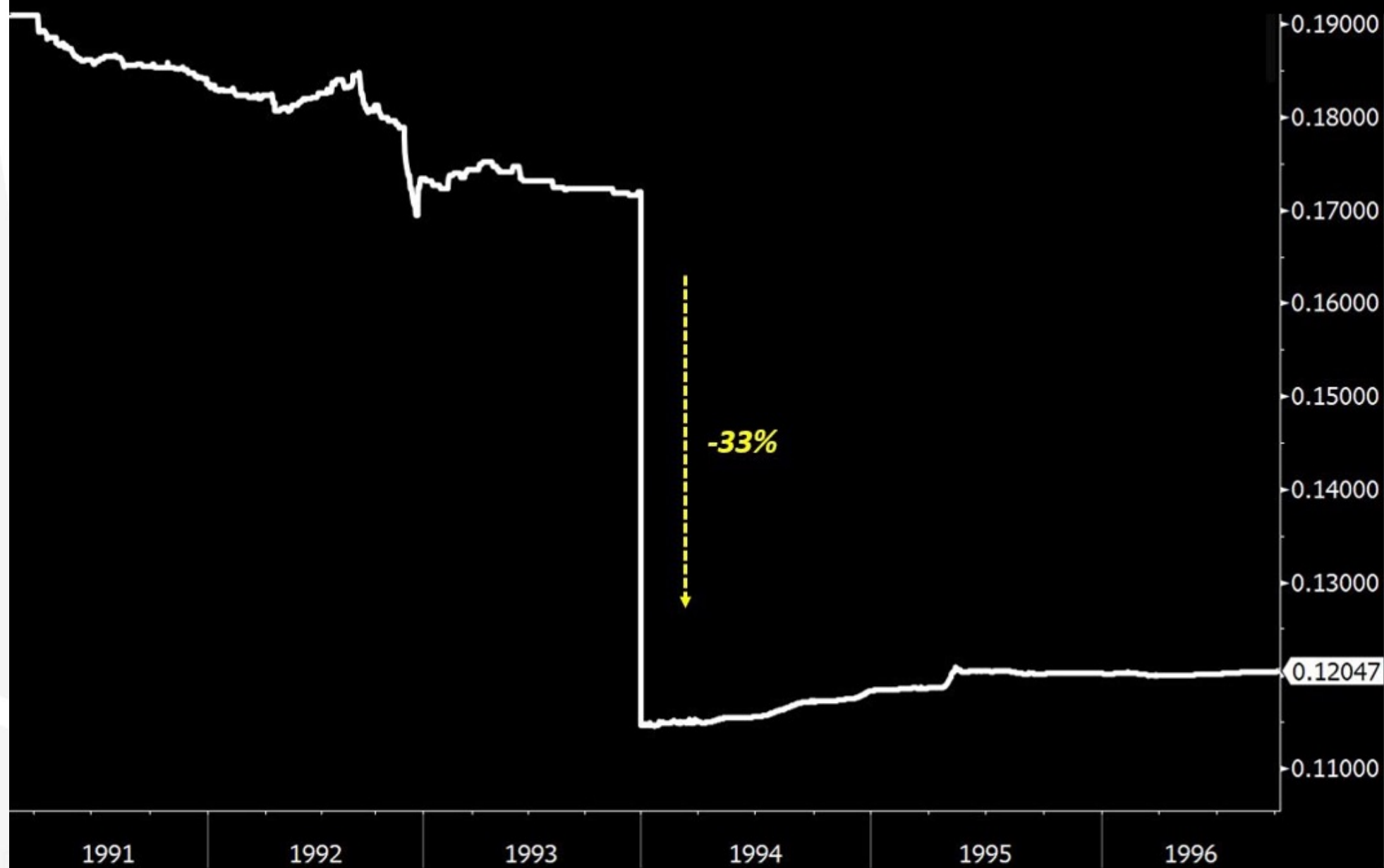


Source: China Banking Regulatory Commission, Federal Reserve, Bank of Japan, European Central Bank.

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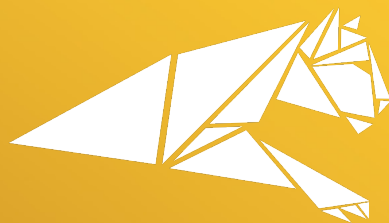


# Yuan Devaluation in China's Last Banking Crisis



Source: Bloomberg

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The Value of Global Macro Investing

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