

China Strategy

Finding the next multibaggers in China: When "Little" becomes "Giant"

Every new cycle has new winners

A buy-and-hold, beta-focused strategy in the equity market hasn't been an effective way to monetize China's impressive economic growth: In the past decade, during which nominal GDP averaged 9% per annum, MSCI China/SHCOMP merely returned 0%/3% CAGR vs. 10% by SPX. That said, picking the right themes/sectors in the right cycle has proven to be highly rewarding, as exemplified by the outsized alpha from Commodity Cyclicals in the early 2000s, Financials in the late 2000s, and Consumer/TMT stocks in the past decade.

The recipe for multibaggers in Chinese equities

We examine 134 cases where individual names in the existing MSCI China universe returned at least 10x within a rolling 5-year period over the past 2 decades and note these common traits: 1) high realized growth rates; 2) strong small/mid-cap bias; 3) favorable sector beta; 4) inexpensive starting valuations; and, 5) alignment with top-down policy goals/directions. These five factors have collectively explained almost 100% of the occurrence of these historical multibaggers.

All stars are aligned: Growing with Chinese "Little Giants"

Chinese "Little Giants" check many of the above boxes: They are emerging companies handpicked by the authorities for explicit policy support. Sectorally, they mostly reside in Cap Goods, (new) Materials, Tech Hardware, and Semi, which are critical to Chinese national security, growth sustainability, and achieving "Common Prosperity". In terms of market attributes, they are growthy small/mid caps trading at historical-low and below-market valuations (PEG).

Introducing GS "Little Giants" Portfolio (GSSRCNLG)

Among the +700 listed "Little Giants", we screen for 40 names with favorable rankings in R&D intensity, management incentive plans, sell-side coverage, and attractive growth/valuation profiles to gain targeted exposure to this compelling story. They have an average market cap/ADT of US\$4.5bn/US\$61mn, trade at 25x fP/E and 0.8x fPEG, and offer 36% 22-24E EPS CAGR. Our back-test shows that the basket has risen 115% since 2020, outperforming MXCN/CSI300 by 146pp/123pp.

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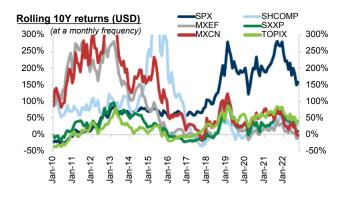
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Every new cycle has new winners

■ China's economic achievements have been impressive since Deng Xiaoping introduced "reform and openness/socialist market economy" in 1978 and made his famous "Southern Tour" in 1992: China has delivered a GDP CAGR of 14% since 1990, become the second largest economy in the world (also 2nd largest in terms of market value for equities and bonds globally), managed to grow its per capita income to US\$12,588 as of 2021 (US\$19,170 in PPP terms), and has the largest asset class in the world in its US\$60tn residential housing market.

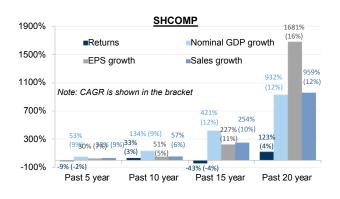
- While the aggregate market cap of Chinese stocks (A shares and Offshore listed combined) has also increased 17x since 2000, the realized equity returns at the headline index level have significantly lagged the strong economic performance: MSCI China, HSCEI, SHCOMP have only gained 0%, -6%, and 3% CAGR in USD terms (-2% to 6% adding dividends) over the past 10 years during which GDP growth was averaging 9% per annum. The realized market returns have also trailed those from major equity markets globally, with SPX, SXXP, TOPIX, and Emerging Markets (MXEF) generating 14%, 6%, 6% and 2% total returns during the same period despite slower macro growth in their respective home markets.
- In our recent Global Strategy Paper—The Asian Earnings Enigma—we discussed some potential explanations for the disparity between equity gains and economic growth in China, notably index composition shifts, shares dilution, and compressing profitability due to various macro and sector specific reasons. At a higher level, the issues around regulation tightening targeting the New Economy, the increasing policy/socioeconomic pivot towards socialism and "Common Prosperity" vs. pure market-driven capitalism, and other structural growth headwinds such as a slowing property market, high systemwide leverage, and aging population are also possible reasons for the lackluster equity returns.
- While a simple buy-and-hold, beta-oriented strategy in the stock market may not be the most efficient way to monetize the strong economic growth (potential) in China, picking the right themes and sectors in the right cycle has proven to be highly rewarding, as evidenced by the significant realized alpha from Commodity Cyclicals in the early 2000s, Financials in the late 2000s, and Consumer/TMT stocks over the past decade. Dividing the past 2 decades into 4 equal periods based on China's 5-Year Plans, we note that the best-3 performing Industry Groups (GICS level 2) on average gained 275% in each of the 4 cycles, outpacing the worst-3 performing sectors by 311pp and the benchmark by 218pp. In our view, this underscores the importance of embracing active investing (or dynamic tilt for passive investing) in China and proactively shifting investment focuses as the economic and political cycles evolve.

Exhibit 1: China equity indexes have significantly lagged their global peers in the past decade



Source: MSCI, FactSet, Goldman Sachs Global Investment Research

Exhibit 3: ...as well as for A shares



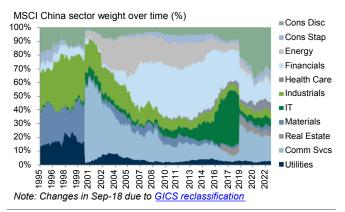
Source: FactSet, Goldman Sachs Global Investment Research

Exhibit 2: Strong fundamental growth hasn't translated into equity gains for Offshore-listed equities...



Source: MSCI, FactSet, Goldman Sachs Global Investment Research

Exhibit 4: Significant sector composition shifts in the benchmark equity index over the past 2 decades



Source: MSCI, FactSet, Goldman Sachs Global Investment Research

Exhibit 5: Significant rotation and return disparity across sectors over the past 20 years

	MSCI China	industry grou	ups annual pi	rice return du	ring past poli	cy cycles	
		10th 5YP	11th 5YP	12th 5YP	13th 5YP	14th 5YP	CAGR since
	Policy cycles	2001-2005	2006-2010	2011-2015	2016-2020	2021-now	2001/inception
	MXAPJ	76%	55%	-14%	61%	-32%	4%
	China	29%	127%	-10%	82%	-48%	4%
	MXCN GICS Industry Grou	ps					
	Capital Goods	-4%	71%	-27%	-4%	-22%	0%
	Transportation	172%	69%	-26%	-14%	-23%	4%
	Autos & Components	164%	138%	13%	228%	-51%	12%
	Consumer Durables	38%	54%	-34%	257%	-28%	6%
<u>8</u>	Consumer Services	-	-28%	25%	385%	-64%	9%
Cyclicals	Commercial Services	-	_	-	27%	-36%	1%
ر ا	Retailing	-	153%	-50%	11%	-59%	0%
	Software & Services	-57%	144%	329%	315%	-73%	8%
	Media & Entertainment	-	-	-	-24%	-52%	-9%
	Tech Hardware	-36%	99%	10%	115%	-60%	1%
	Semiconductors	-	67%	-54%	162%	-39%	-3%
E	Energy	299%	140%	-53%	-18%	38%	8%
Com m -	Materials	312%	113%	-52%	106%	-28%	9%
<u>s</u>	Banks	-	106%	-17%	8%	-22%	2%
Financials	Diversified Financials	-46%	456%	-35%	-34%	-46%	-2%
inai	Insurance	-	423%	-8%	24%	-51%	7%
ш.	Real Estate	231%	108%	10%	45%	-58%	7%
	Telecom	-15%	100%	7%	-46%	-28%	-2%
sə/	Food & Beverage	118%	206%	-43%	213%	-36%	10%
Defensives	Pharma & Biotech	57%	-26%	16%	170%	-51%	4%
)efe	Utilities	110%	24%	66%	18%	-20%	7%
	Health Care Equip & Svcs	-	-	-16%	105%	-58%	-1%
	Average of Top 3	281%	362%	140%	319%	-1%	10%
	Average of Bottom 3	-46%	-10%	-53%	-35%	-66%	-4%
	Gap	327%	372%	193%	354%	65%	14%

pricing as of Oct 3

Source: MSCI, FactSet, Goldman Sachs Global Investment Research

The recipe for multibaggers in Chinese equities

Given the highly concentrated and dynamic nature of alpha distribution in China historically, we examine **the success cases in the stock market over a long run** to better understand the necessary conditions for generating excess returns, especially at a time when the challenging global macro backdrop characterized by a worsening growth/inflation trade-off, tightening policy, and <u>elevated geopolitical tensions</u> is weighing on risk assets.

Specifically, we construct a study universe encompassing 134 names that were able to generate at least 10x total returns within a 5-year rolling period (monthly) since 2000 based on the current MSCI China index constituents (721 stocks). On average, it took 47 months for these names to reach the 10x threshold, achieving a total return of 1900% when they hit the peak price levels during their respective 5-year (or shorter) outperfomance windows. In a nutshell, we observe the following common features among those multibagger stocks:

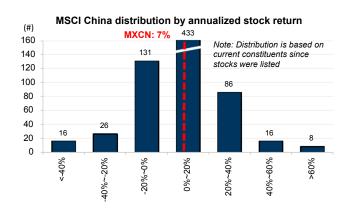
- 1. **High realized growth rates:** 75% of the multibaggers managed to generate at least 40% revenue or profit growth during their outperformance periods. This reinforces the core investing principle that earnings growth is the fundamental driver of equity returns, and our belief that international investors have a structural preference for Growth over Value in China (and in other developing markets more broadly) when growth opportunities become increasingly scarce across the globe.
- 2. Strong small/mid-cap bias: Low base effect in most cases should be a favorable condition for stock returns as far as market cap size and profit pool is concerned as it simply implies larger headroom for growth, ceteris paribus. Additionally, the policy emphasis of supporting SMEs in the real economy and <u>capital markets</u>, and the regulatory restrictions regarding anti-trust and monopolistic behaviors should theoretically bode well for small/mid caps over time. However, Size is far from a sufficient condition for strong realized alpha empirically, with less than half of the stocks in the universe embarking on their uptrend with an initial market cap below US\$500mn.
- 3. Favorable sector beta: As detailed in the 5th edition of our China A Primer, China is probably one of the best markets globally to trade/look for idiosyncratic alpha and inefficiency arbitrage opportunities, reflected by its high intra-market return disparity at both the sector and stock levels, a retail-dominated liquidity setup, and still-limited/developing sell-side research footprint. The potential excess returns from an active sector strategy approach could be significant as our previous analysis shows that picking the "average" stocks (i.e. stocks with median returns) in the "right" sectors (Industry Groups with top-quartile returns) would generate 25/34 pp annual alpha over "outperforming" stocks (stock with top-quartile returns) in the "underperforming" sectors (Industry Groups with bottom-quartile returns) in the offshore/A-share market. Our study reveals that 66% of the multibagger cases took place when their corresponding sectors outperformed in the rolling 5-year (or shorter) periods.

4. Inexpensive starting valuations: We note that 40% of the companies in our study universe traded below 10x PE or 1x P/B before they eventually became multibaggers. That said, the explanatory power of "low valuation" seems highly linked to the market valuation cycles as 43% of the multibaggers took off when the market was under significant stress, notably 2002-03, 2008-09, and 2015-16. It suggests to us that valuation level might not be a sufficient condition to call a market bottom nor a reason to derail a bull trend, but it does play an important role in framing risk and reward, and driving excess returns in the long run.

5. Policy tailwinds: It is widely accepted/embraced by investors that it is critical to align their portfolio with strategic policy goals and directions in China, especially considering the regulatory shocks since late 2020 which have been mainly responsible for the US\$2tn erosion of market capitalization in the TMT sector since then. As such, we leverage our news-searching tools with a specific focus on articles from State-sponsored media outlets (e.g. Xinhua News, People's Daily, and China Daily, 2mn in total since 2005) to gauge the cyclical policy orientation at the sector level over time. By mapping the relative strength of policy support per our key-words analysis onto historical sector returns, we observe that the Policy factor has coincided with 75% of the occurrence of multibagger cases since 2005.

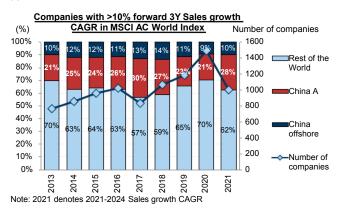
While other (unobservable) factors might also be contributors to the strong returns, the above five considerations **have indeed collectively explained almost 100%** (133 out of 134 cases) **of the occurrence of historical multibagger stocks**, with those satisfying multiple conditions generally delivering higher absolute returns/alpha. Among them, Size and Valuations have appeared to be less influential while Growth, Policy, and Sector have been comparatively more dominant factors for the creation of multibaggers.

Exhibit 6: A very concentrated alpha distribution in Chinese eugities



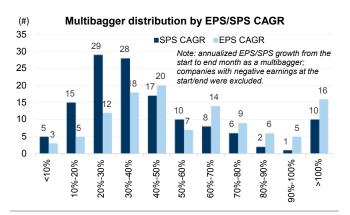
Source: MSCI, FactSet, Goldman Sachs Global Investment Research

Exhibit 7: China is still the place to look for organic Growth opportunities



Source: MSCI, FactSet, Goldman Sachs Global Investment Research

Exhibit 8: "High growth" is a common feature of multibaggers



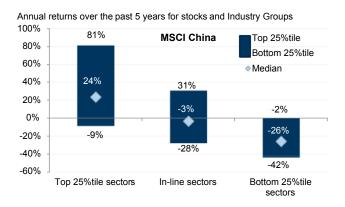
Source: MSCI, FactSet, Goldman Sachs Global Investment Research

Exhibit 10: Small/mid caps have outperformed large caps in the past 15 years, but with significant ups and downs



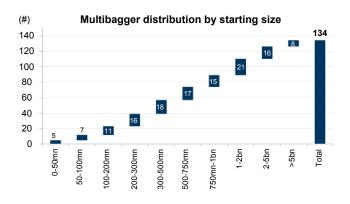
Source: MSCI, CSI, FactSet, Goldman Sachs Global Investment Research

Exhibit 12: Median stocks in top-quartile Industry Groups have performed significantly better than top-quartile stocks in bottom-quartile Industry Groups



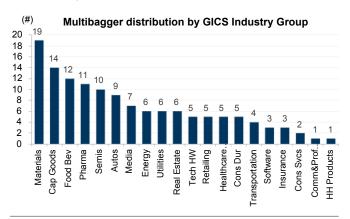
Source: MSCI, FactSet, Goldman Sachs Global Investment Research

Exhibit 9: Favorable base effect matters for ensuing returns as far as Size is concerned



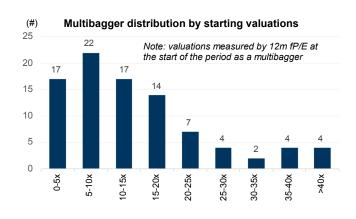
Source: MSCI, FactSet, Goldman Sachs Global Investment Research

Exhibit 11: Historical multibaggers have been concentrated in Materials, Cap Goods, and F&B



Source: MSCI, FactSet, Goldman Sachs Global Investment Research

Exhibit 13: The occurence of multibaggers is negatively correlated with prevailing stock valuations



Source: MSCI, FactSet, Goldman Sachs Global Investment Research

Exhibit 14: Low prevailing market valuations appear a necessary condition for multibaggers



Source: MSCI, FactSet, Goldman Sachs Global Investment Research

Exhibit 15: Industry groups with more positive policy mentions from official news tend to outperform those with fewer mentions



Source: Factiva, MSCI, FactSet, Goldman Sachs Global Investment Research

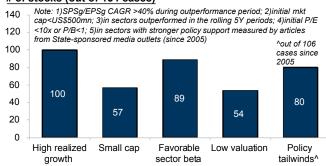
Exhibit 16: Our policy support heatmap based on news-searching technique



Source: Factiva, MSCI, FactSet, Goldman Sachs Global Investment Research

Exhibit 17: The five key common denominators of historical multibaggers in the Chinese equity universe

of stocks (out of 134 cases)



Source: MSCI, FactSet, Goldman Sachs Global Investment Research

Exhibit 18: The 5 conditions have collectively explained the occurence of almost all 134 multibaggers in China in the past 20 years

# of criteria met	# of stocks	Average Total Return within 5Y (multiple)
0	1	11x
1	10	15x
2	27	18x
3	70	20x
4	24	24x
5	2	34x
Sum	134	20x

Source: MSCI, FactSet, Goldman Sachs Global Investment Research

Exhibit 19: 134 names in the existing MSCI China universe had returned more than 10x within 5-year rolling periods over the past 20 years

	3.						0x total return within	, ,			
Ticker	Name	Industry Group Sta	art Date	End Date	Max Total Return within 5Y (multiple)	Ticker	Name	Industry Group	Start Date		Max Total Return withi 5Y (multiple)
NTES UW	NetEase	Media	Sep-01	Mar-06		285 HK	BYD Electronic	IT	Sep-12	Sep-17	1
1268 HK	MeiDong Auto	Retailing	Feb-16	Nov-20	58x	2338 HK	Weichai Power	Industrials	Feb-06	Nov-10	14
2333 HK	Great Wall Motor	Autos	Nov-08	Oct-13		1818 HK	Zhaojin Mining Industry	Materials	Oct-08	Aug-11	14
VIPS UN	Vipshop	Retailing	Apr-12	Mar-15			BeiGene	Health Care	Jul-16	May-21	1
316 HK	Orient Overseas (Int)	Transportation	Sep-02	Jul-07			KunLun Energy	Utilities	Oct-02	Oct-07	1
1579 HK	Yihai International	Food Bev	Jan-17	Jan-21			Huaneng Power	Utilities	Feb-00	Mar-04	1.
900948 CG	Inner Mongolia Yitai Coal	Energy	Sep-03	Oct-07			SKSHU Paint	Materials	Dec-18	Jun-21	1
5865 HK	Flat Glass	Semis	Jul-18	Aug-21			National Building Material	Materials	May-06	Oct-07	1
NIO UN	NIO	Autos	Oct-19	Jan-21			YOUNGY	Materials IT	Oct-18	Aug-21	1
700 HK 1066 HK	Tencent Shandong Weigao Medical	Media	Jan-05 Apr-05	Dec-09 Apr-10		GDS UQ 268 HK	GDS Holdings Kingdee International	IT	May-17 Jun-16	Jan-21 Dec-20	1
358 HK	Jiangxi Copper	Healthcare Equip Materials	Oct-02	Sep-07		322 HK	Tingyi	Cons Stpl	Mar-05	Nov-09	1
388 HK	COLI	Real Estate	Mar-03	Oct-07			Kangtai Biological	Health Care	May-17	Jul-20	1
189 HK	Dongyue	Materials	Feb-08	Jun-11		1919 HK	COSCO SHIPPING	Industrials	Oct-05	Oct-07	1
914 HK	Anhui Conch Cement	Materials	Nov-02	Oct-07			Bosideng International	Cons Disc	May-17	Aug-21	1
1109 HK	China Resources Land	Real Estate	Apr-03	Oct-07			Great Wall Motor	Cons Disc	Dec-18	Oct-21	1
2500 HK	Aluminum Corp of China	Materials	Sep-02	Aug-07			Ganfeng Lithium	Materials	Jan-17	Aug-21	1
2382 HK	Sunny Optical	Tech HW	Sep-11	Aug-16		6185 HK	CanSino Biologics	Health Care	Aug-19	Jun-21	1
1882 HK	Haitian International Hidgs	Cap Goods	Nov-08	Oct-13			Zhejiang Huayou Cobalt	Materials	Feb-16	Jan-21	1
2313 HK	Shenzhou Int'l	Cons Dur	Oct-08	May-13			Zhenhua Science & Tech	IT	Dec-18	Jun-22	
2899 HK	Zijin Mining	Materials	Aug-04	Oct-07	30x	603806 CG	First Applied Material	IT	Jul-18	Aug-21	1
200596 CS	Anhui Gujing Distillery	Food Bev	Oct-08	Aug-11	30x	300347 CS	Tigermed Consulting	Health Care	Jan-17	Jun-21	1
754 HK	Hopson Development	Real Estate	Dec-02	Oct-07	29x	600309 CG	Wanhua Chemical	Materials	Mar-16	Feb-21	1
300274 CS	Sungrow Power Supply	Cap Goods	Oct-18	Jul-21	29x	2628 HK	China Life Insurance	Financials	Apr-04	Oct-07	1
OQ UN	Dago New Energy	Semis	Apr-17	Feb-21	28x	2269 HK	Wuxi Biologics	Health Care	Jul-17	Jun-21	1
211 HK	BYD	Autos	Oct-05	Mar-10	28x	2883 HK	Oilfield Services	Energy	Apr-03	Oct-07	1
1548 HK	Genscript Biotech	Pharma	Jul-16	Jun-21	27x	603486 CG	Ecovaes Robotics	Cons Disc	Nov-19	Jun-21	1
01100 CG	Hengli Hydraulic	Cap Goods	Feb-16	Jan-21			Kingboard Holdings	IT	Oct-02	Sep-07	1
500809 CG	Xinghuacun Fen Wine	Food Bev	Feb-16	Dec-20			Zhejiang Yongtai Technology	Materials	Jun-18	Oct-21	1
300661 CS	SG Micro	Semis	Jul-17	Jul-21			Aier Eye Hospital	Health Care	Mar-17	Jun-21	1
TAL UN	TAL Education	Cons Svcs	Jan-13	Sep-17		600438 CG	-	Cons Stpl	May-17	Aug-21	1
BIDU UW	Baidu	Media	Apr-06	Mar-11		3888 HK	Kingsoft	Comm Svcs	Feb-09	Jan-14	13
2331 HK	Li Ning	Cons Dur	Jul-16	Jun-21	24x		Silan Microelectronics	IT	Jan-17	Jul-21	1:
257 HK	China Everbright Int'l	Comm&Prof Sves	Apr-03	Oct-07		2020 HK	ANTA	Cons Disc	Jul-16	Jun-21	1
300014 CS	EVE Energy	Cap Goods	Oct-18	Nov-21			Yanzhou Coal Mining	Energy	Mar-00	Feb-05	1
002709 CS	Tinci Material	Materials	Oct-18	Oct-21			Bilbili China Taining Insurance	Media	Apr-18	Feb-21	1:
371 HK 002791 CS	Beijing Enterprises Water	Utilities	Feb-06	May-08			China Taiping Insurance	Insurance	Jul-05	Nov-09	1
2018 HK	Guangdong Kinlong AAC Technologies	Cap Goods Tech HW	Dec-18	Jul-21		968 HK	Desay SV Automotive	Autos Semis	Dec-18 Feb-16	Jul-22 Dec-20	1
3311 HK	China State Construction	Cap Goods	Nov-08 Aug-05	May-13 Jul-09			Xinyi Solar China Merchants Port	Transportation		Oct-07	1
1772 HK	Ganfeng Lithium	Materials	Aug-19	Aug-21		2688 HK	ENN Energy Holdings Limited	Utilities	Oct-02	Sep-07	1
1030 HK	Seazen Group	Real Estate	Sep-14	Jun-19			Nine Dragons	Materials	Oct-02	Nov-09	1
1177 HK	Sino Biopharm	Pharma	Dec-00	Jun-05			H World Group	Cons Svcs	Jun-13	May-18	1
1044 HK	Hengan	HH Products	Dec-02	Nov-07			Ping An	Insurance	Jul-04	Sep-07	1
002176 CS	Jiangxi Special Electric Motor	Cap Goods	May-20	Aug-21	19x		Beijing Capital International Airport	Transportation		Sep-07	1
02371 CS	NAURA Technology	Semis	May-17	Jul-21			China Resources Gas	Utilities	Oct-08	Apr-13	1
03185 CG	Shangji Automation	Cap Goods	Nov-19	Aug-21		WB UW	Weibo	Media	Sep-15	Jan-18	1
02812 CS	Yunnan Energy New Material	Materials	Jan-17	Oct-21		386 HK	China Petroleum & Chemical	Energy	Nov-02	Oct-07	1
01012 CG	LONGi Green Energy	Semis	Dec-16	Oct-21			Sinotruk Hong Kong	Cap Goods	Jan-16	Jul-20	1
81 HK	Zhongsheng Group	Retailing	Feb-16	Nov-20	18x	631 HK	Sany Heavy	Cap Goods	Sep-16	Aug-21	1
238 HK	Guangzhou Automobile	Autos	Feb-00	Jan-04	18x	ZLAB UQ	Zai Lab	Pharma	Oct-18	May-21	1
136 HK	Ruyi Holdings	Media	Mar-20	Feb-21		2669 HK	China Overseas	Real Estate	Feb-16	May-20	
00763 CG	Topchoice Medical	Healthcare Equip	Aug-17	Jun-21	18x	1995 HK	Ever Sunshine Lifestyle Services	Real Estate	Jan-19		1
53 HK	MicroPort Scientific	Healthcare Equip	Feb-16	Jan-21	18x	2357 HK	AviChina	Cap Goods	Dec-05	Oct-10	1
70 HK	Trad Chi Med	Pharma	Oct-08	May-13	17x	600519 CG	Kweichow Moutai	Food Bev	Jan-16	Dec-20	1
00799 CS	Jiugui Liquor	Food Bev	Oct-18	Jun-21			Ingenic Semiconductor	Semis	Oct-18		1
00926 CG	Baosight Software	Software	Feb-00	Jun-01		956 HK	China Suntien Green Energy	Energy	Dec-16	Sep-21	1
57 HK	PetroChina	Energy	Nov-02	Oct-07		300750 CS		Cap Goods	Aug-18	Nov-21	1
02568 CS	Shanghai Bairun Investment	Food Bev	Oct-18	Jun-21			TCL Zhonghuan	Semis	Oct-18	Jun-22	
01888 CG	China Tourism Group Duty Free		Dec-16	May-21		168 HK	Tsingtao Brewery	Food Bey	May-00		
585 HK	Yadea Group	Autos	Jun-16	Jan-21		002850 CS		Autos	Oct-18		1
00595 CS	Ovotek China	Healthcare Equip	Jul-17	Jun-21			Pientzehuang Pharma	Pharma	Feb-16		1
75 HK	Geely	Autos	Oct-08	Oct-10			Asia-Potash Int'I	Materials	Jul-18		
002714 CS	Muyuan Foods	Food Bev	Jan-17	Feb-21			Sichuan Swellfun	Food Bev	Sep-15	_	
300122 CS	Zhifei Biological Products	Pharma	Jan-17	Apr-21			Sichuan New Energy Power	Cap Goods	Jan-19	_	1
800132 CG	Chongqing Brewery	Food Bev	Jul-16	Jun-21			Hengli Petrochemical	Materials	Jun-16	Jan-21	1
84 HK	China Gas	Utilities	Oct-08	Jul-13	15x	PDD UW	PDD	Retailing	Oct-18	Dec-20	1

Source: MSCI, FactSet, Goldman Sachs Global Investment Research

All stars are aligned: Growing with Chinese "Little Giants"

What are Chinese "Little Giants"? Since 2018, the Ministry of Industry and Information Technology (MIIT) has selected more than 1mn SMEs and/or emerging companies concentrated in the Technology and Industrial sectors as strategic development focuses by 2025. Later on, the chosen companies were further categorized into four main tiers—Innovative SMEs, SRDI (Specialized, Refined, Differentiated, Innovative) SMEs, "Little Giants" and Niche Market Leaders—depending on their size, industry positioning, business maturity, and technological competitiveness. Among the four groups, the "Little Giants" cohort seems to have received the most attention from the authorities from both the media propaganda and actual policy implementation (e.g. specific measures at the Central and Provincial government levels) standpoints. Out of the full "Little Giants" universe with a total 9119 companies as of August 2022, 703 of them (or their parent companies/main subsidiaries) are listed in A shares based on the mapping from WIND, mostly hosted by the ChiNext and STAR boards.

Top down, listed "Little Giants" check many boxes that define the successful formula of historical multibaggers:

- From a policy alignment perspective, they are handpicked by the Chinese authorities for explicit and comprehensive policy support, spanning administrative measures, easier access to capital markets, to tax incentives and direct subsidies.
- Sectorally, the listed "Little Giants" mainly reside in Cap Goods, (new) Materials, Tech Hardware, and Semi, all of which are critical to Chinese national security, growth sustainability, and supply chain stability, in our view.
- Thematically, they are well synced with, and are essential building blocs to, the "Common Prosperity" vision considering their sector exposures/composition according to our "Common Prosperity" framework.
- In terms of market attributes, the listed "Little Giants" carry a strong **small/mid-cap flavor** in the context of A shares, averaging Rmb7.6bn/US\$1.1bn of listed market cap, but with **a reasonably strong liquidity profile** of US\$16mn of ADT.
- Fundamentally, they realized 22% top-line and 21% of bottom-line growth in the past 2 years on a median basis, and are expected by Wind consensus to generate 35% EPS CAGR in the next 2 (2022-2024E) years vs. 21% by CSI300. Their historical profit growth track record may not appear as strong as their STAR and ChiNext peers, but they have similar profitability, ROE, and R&D statistics. They on average trade over 21x fP/E on Wind consensus earnings (15x for CSI300), but look attractively priced when their growth potential is taken into consideration, boasting a PEG ratio of merely 0.6x.

Exhibit 20: "Little Giants" are handpicked by Chinese authorities for policy support, and appear strategically important to China in terms of its growth sustainability and national security



- Adhere to a certain link or product in the supply chain
- >3-year track record in the specific market
- Main business revenue / total revenue >=70%
- Average growth rate of main business revenue >=5%



- >=10% nationwide market share by the leading product in its specific segment
- High market reputation and influence
- Own self-developed brands with high competitiveness



- Leading product quality nationwide with emphasis on digitalization and green development
- At least one core business is supported by information systems in R&D, production, supply chain management, etc.
- > Obtained relevant certification from developed countries
- Asset-liability ratio <=70% as of the end of the previous year</p>



"新"

- For enterprises with revenue >50mn and >100mn, R&D expenses should >6% and >3% of revenue respectively;
- For enterprises with revenue <50mn: paid-in amount from qualified investors >80mn, R&D expenses >30mn, and R&D personnel >50% of the total staff.
- Self-built or jointly established R&D institutions. Obtained >1 class I intellectual property rights related to leading products.
- (Waiver applies for nationwide innovation awards)





- Manufacturing core basic components, key software, advanced foundational technology, key basic materials and industrial technology foundation
- Key fields in line with the national strategy of manufacture, information infrastructure, core technologies, data security, etc.





Positioned at the key link of the supply chain

Note: All currency units are RMB. All requirements must be met in the past 2 years.

4 Niche market leaders (单项冠军, target #1k)

3 "Little Giants"(专精特新"小巨人", target #10k)

SRDI SMEs(专精特新中小企业, target #100k)

1

Innovative SMEs (创新型中小企业, target #1mn)

Rule: the Interim Measures for the Administration of the Gradient Cultivation of High-quality Small and Medium-sized Enterprises (《优质中小企业梯度培育管理暂行办法》) June 2022

4 Rounds 9119 "Little Giants"



Announced by	Area	Policy Support	Perio
MINISTRY OF FINANCE THE PEOPLE'S REPUBLIC OF CHINA STATE TAXATION ADMINISTRATION OF THE PEOPLE'S REPUBLIC OF CHINA	Fiscal	Subsidize RMB 6mn each (2mn each year) by national government; extra RMB 0.2-2mn by local government; Preferential tax policy (vary at local level): lower VAT, profit tax; tax deduction by R&D expenditure	
MIIT	Financing	Broaden financing channels for SMEs, and prepare high-quality ones for IPOs	
工信部 CHINA BANKING AND INSURANCE	Resource Allocation	Leverage market mechanism to allocate technology, human capital and data to these "Little Giants"	Valid for years (eligible)
P国へ及銀行	Regulation	Lower barriers to entry by streamlining administrative and regulatory power	for 3 mo years up
NRDC	Digitalization	Implement special action plans to enhance SMEs' ability to use digital and design resources	review
发改委	Public Service	Support service agencies to develop service projects for innovative "Little Giant" enterprises, and conduct extensive management consulting and talent training	

 $Source: Wind, MoF, STA, MIIT, Data \ compiled \ by \ Goldman \ Sachs \ Global \ Investment \ Research$

Exhibit 21: Case studies: Policy support to Little Giants in Zhejiang and Guangdong

	Zhejiang	Guangdong
Fiscal	An one-off extra reward of RMB 0.5-1mn	An one-off extra reward of RMB 2mn
Financing	The "Zheke Loan" provided Little Giant enterprises with an increase of >30% on the mortgage-free guaranteed loan amount, an increase of the loan period for >1 year, and with the best loan interest rate	Proportion of the "little giant" enterprises obtaining loans reached 74.3% , 30% higher than other enterprises
Resource Allocation	Talents in the Little Giant Enterprise can apply for the senior professional titles and will be provided supports in housing and children's education	Each "Little Giant" enterprise in Guangdong will own 2 quotas for talents on an one-time RMB 100,000 reward
Digitalization	Establish pilot programs for digital transformation. Each service platform should complete the digitalization for >10 pilot enterprises within a year	Guangzhou gives 30% direct subsidy for the digital transformation costs of Little Giant enterprises
Public Service	Zhejiang University has set up a number of "Little Giant" talents cultivation and promotion projects	Guangzhou has spent >RMB 3 mn every year to purchase professional consulting services for enterprise development since 2020

Source: Government websites, Data compiled by Goldman Sachs Global Investment Research

Exhibit 22: Media/policy emphasis on SRDI SMEs, notably "Little Giants", has been on a rise

Number of news articles in state-owned media with keywords

120

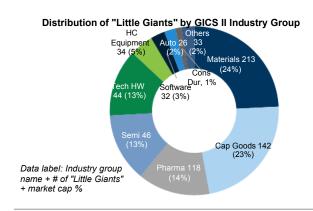
SRDI and "Little Giants"

SRDI (Specialized, Refined, Differentiated, and Innovative)

SRDI (Specialized, Refined, Differentiated, and Innovative)

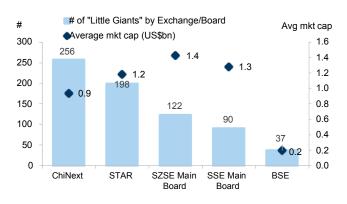
Note: Dased on People's Daily, China Daily and Xinhua.net

Exhibit 24: Sectorally, "Little Giants" are mainly concentrated in (New) Materials, Cap Goods, Hardware Tech, and Semi



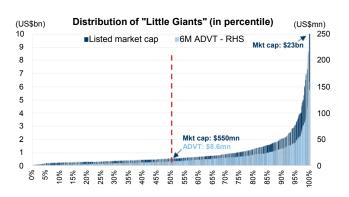
Source: Wind, FactSet, Goldman Sachs Global Investment Research

Exhibit 23: Many "Little Giants" are listed on ChiNext, followed by the STAR Board



Source: Wind, FactSet, Goldman Sachs Global Investment Research

Exhibit 25: Many "Little Giants" are small/mid caps and have relativley thin liquidity at the tail end



Source: Wind, FactSet, Goldman Sachs Global Investment Research

Goldman Sachs

Exhibit 26: "Little Giants" are expected by WIND consensus to deliver similar profit growth as their ChiNext and STAR peers in the next 2 years

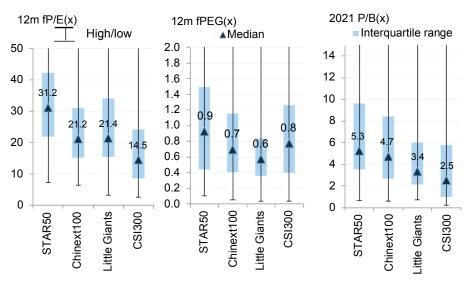
Fundmental Metric Comparison (based on median level of constituents)

		"Little Giants"	STAR50	Chinext100	CSI300
# of sto	cks	703	50	100	300
Revenue	2020	16%	31%	27%	14%
growth (yoy)	2021	28%	51%	33%	24%
	2020	26%	76%	37%	20%
Familian	2021	16%	49%	35%	24%
Earnings growth (yoy)	2022E	36%	42%	31%	12%
g. c. r. r. (, c, ,	2023E	38%	41%	30%	23%
	2024E	31%	33%	26%	19%
Capex growth	2020	30%	41%	39%	15%
(yoy)	2021	56%	94%	64%	26%
R&D Intensity	2020	5.6%	8.7%	6.0%	3.1%
Rad intensity	2021	5.7%	9.0%	6.0%	3.0%
Drofit morain	2020	15%	17%	18%	15%
Profit margin	2021	14%	18%	18%	16%
ROE	2020	11%	10%	14%	12%
NOE	2021	10%	11%	15%	12%

[^]Values higher than peers are highlighted in green; earnings growth estimates based on Wind consensus forecasts (median level of constituents with data available).

Source: Wind, Goldman Sachs Global Investment Research

Exhibit 27: "Little Giants" are trading on lower PE and PB relative to ChiNext and STAR stocks



based on median level of constituents

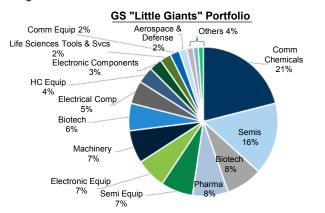
Source: Wind

Introducing GS "Little Giants" Portfolio (GSSRCNLG)

While the "Little Giants" story seems compelling to us and could be a major source of potential alpha generation in the years to come, it might not be a practical theme for some investors given its broad universe (703 stocks, 57 sub-industries), small/mid cap bias, limited sell-side footprint, and other corporate governance concerns (e.g. accounting standards, ESG compliance).

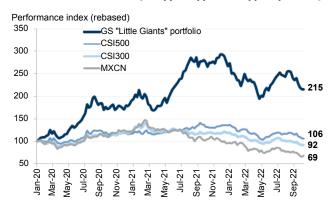
- As such, we leverage various top-down growth, valuation, and R&D parameters, corporate-governance related considerations such as the breadth of sell-side coverage and management incentive plans, and accessibility factors (ADT and Northbound eligibility) to distill the broad theme into a more confined universe.
- The above conditions allow us to screen for 40 names (all Northbound Connect eligible) from 17 sub-industries and form our GS "Little Giant" Portfolio (GSSRCNLG), of which 13 are covered by our equity analysts. Sectorally, 85% of the basket weights are concentrated in Tech (Hardware), Materials, and Health Care. It has an aggregate/average market cap of US\$180bn/4.5bn and ADT of US\$2bn/61mn, trades on 25x fP/E and 0.8x fPEG, and is expected by IBES consensus to grow earnings by 36% CAGR over the next 2 years. While its absolute valuations look high, the portfolio is trading on all-time lows in fP/E and fPEG terms, both at -2.1 s.d. to their respective historical means.
- Our back-test shows that the basket has gained 115% since 2020, significantly outperforming CSI500, CSI300, and MSCI China by 109pp, 123pp, and 146pp respectively. It has demonstrated a beta of 1.1 to CSI500, but only 1.0 to CSI300/ChiNext and 0.8 to STAR, suggesting that it could be an effective vehicle to buy Growth in China without taking excessive beta risk.

Exhibit 28: The constituents spread across 17 sub-industries, with a strong "Hard Tech" flavor



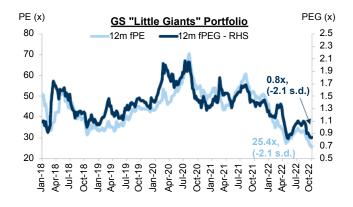
Source: Wind, FactSet, Goldman Sachs Global Investment Research

Exhibit 29: The basket has gained 115% since 2020, outperforming CSI500, CSI300 and MXCN by 109pp, 123pp and 146pp respectively



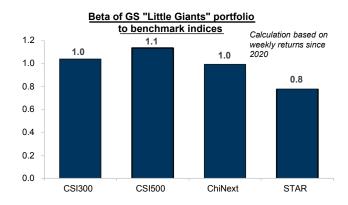
Source: Wind, FactSet, Goldman Sachs Global Investment Research

Exhibit 30: The basket is trading at historically low valuations in both PE and PEG terms



Source: Wind, FactSet, Goldman Sachs Global Investment Research

Exhibit 31: The basket has been less volatile compared with ChiNext and STAR



Source: Wind, FactSet, Goldman Sachs Global Investment Research

Exhibit 32: The constituents of our Little Giants Basket (GSSRCNLG)

				Top 50 (on avg %ile i	ranking)		>3	>1bn	>5mn			
Ticker	Name	GICS Sub-industry	Basket weight^	R&D intensity (past 3y avg)	Revenue CAGR (2021-23E)	ROE (past 3y avg)	Management incentive plans^^	Analyst coverage (IBES)	Listed Mkt Cap (US\$bn)	6M ADVT (US\$mn)	23E PE (x)	22E PEG (x)	2022-24 EPS CAGR (
Common	Prosperity Basket												
002812 CS	Yunnan Energy New Material	Commodity Chemicals	5.0%	5%	51%	18%	V	28	21.9	188	22	0.7	39
002049 CS	Unigroup Guoxin Microelectronics	Semiconductors	5.0%	15%	32%	20%		16	17.3	191	30	1.1	35
50365thcare	Putailai New Energy Technology	Specialty Chemicals	5.0%	5%	51%	13%	V	17	10.9	99	18	0.7	36
6036528 688063 CG	Pylon Technologies	Electrical Components & Equipment	5.0%	7%	109%	11%	V	10	8.7	138	36	0.6	81
300142 CS	Walvax Biotechnology	Biotechnology	5.0%	17%	35%	7%	V	6	8.2	142	32	0.9	37
603290 CG	StarPower Semiconductor	Semiconductors	5.0%	7%	48%	14%	V	22	7.8	116	53	2.1	36
603185 CG	Wuxi Shangii Automation	Industrial Machinery	4.9%	4%	81%	27%	V	4	7.4	188	10	0.2	42
002821 CS	Asymchem Laboratories	Pharmaceuticals	4.5%	8%	52%	16%	V	20	6.7	139	19	6.3	9
300661 CS	SG Micro	Semiconductors	4.5%	17%	41%	25%	V	21	6.7	77	35	1.4	32
300769 CS	SG Micro erials Cons Disc 9% henzhen Gynanonic Cons Disc	Commodity Chemicals	4.3%	5%	141%	26%	J	14	6.4	123	19	1.0	26
300699 CS	Weihai Guargwei Composités	Commodity Chemicals	4.0%	11%	17%	18%	J	12	6.1	56	35	1.7	24
588301 CG	Iray Technology	Health Care Equipment	3.6%	14%	28%	13%	J	8	5.3	26	45	1.6	32
300604 CS	Changchuan Technology	Semiconductor Equipment	3.2%	24%	58%	7%	J	7	4.9	65	44	1.3	45
002414 CS	Wuhan Guide Infrared	Electronic Equipment & Instruments	2.9%	15%	16%	17%		6	4.3	61	21	1.0	23
888598 CG	KBC Corp. Ltd. Class A	Commodity Chemicals	2.6%	8%	28%	22%	-/	12	4.0	61	31	1.2	33
588188 CG	Shanghai Friendess Electronics	Electronic Equipment & Instruments	2.6%	13%	21%	17%	· /	10	3.9	16	32	1.2	33
300357 CS	Wolwo Bio-Pharmaceutical	Pharmaceuticals	2.4%	11%	21%	22%	ν	10	3.6	18	49	2.3	28
603127 CG	Joinn Laboratories	Life Sciences Tools & Services	2.4%	5%	33%	20%	-1	15	3.6	51	29	1.3	30
300487 CS	Sunresin New Materials	Commodity Chemicals	2.4%	6%	46%	18%	-/	4	3.4	30	34	1.2	29
588200 CG			1.9%	13%	31%	14%	V	18	2.9	41	25	1.0	
300777 CS	Huafeng Test & Control Technology	Semiconductor Equipment	1.9%				V	18		41	30		34 35
	Sinofibers Technology	Commodity Chemicals		9%	72%	18%			2.8			1.1	
003031 CS	Hebei Sinopack Electronic Technology	Electronic Components	1.9%	13%	33%	10%		6	2.8	24	82	2.7	34
588019 CG	Anji Microelectronics Technology	Semiconductor Equipment	1.8%	21%	44%	13%	V	8	2.7	31	61	2.3	43
300775 CS	Xi'an Triangle Defense	Aerospace & Defense	1.7%	4%	36%	15%	٧	5	2.5	41	21	0.8	35
300035 CS	Hunan Zhongke Electric	Industrial Machinery	1.4%	6%	85%	11%	V	8	2.2	82	13	0.3	56
688696 CG	Chengdu Xgimi Technology	Consumer Electronics	1.4%	5%	25%	34%	V	14	2.1	32	17	0.7	31
300613 CS	Fullhan Microelectronics	Semiconductors	1.2%	20%	34%	12%	V	7	1.8	43	18	0.7	29
300767 CS	QuakeSafe Technologies	Construction Materials	1.1%	3%	105%	11%	V	9	1.7	21	25	0.5	82
300841 CS	Kanghua Biological Products	Biotechnology	1.1%	5%	43%	28%	√	7	1.6	24	9	0.3	37
300567 CS	Wuhan Jingce Electronic	Electronic Equipment & Instruments	1.1%	16%	9%	14%	V	7	1.6	26	32	1.3	59
688016 CG	MicroPort Endovascular MedTech	Health Care Supplies	1.1%	17%	30%	20%	√	6	1.6	23	20	0.7	34
300638 CS	Fibocom Wireless, Inc.	Communications Equipment	1.1%	11%	33%	21%	√	13	1.6	20	15	0.6	28
300394 CS	Suzhou TFC Optical Communication	Communications Equipment	1.0%	10%	26%	18%	V	14	1.5	25	20	0.9	27
300653 CS	Yantai Zhenghai Bio-Tech	Biotechnology	0.9%	8%	23%	21%		4	1.4	19	33	1.2	42
300481 CS	Puyang Huicheng Electronic Material	Specialty Chemicals	0.9%	7%	21%	18%	V	6	1.4	45	21	1.2	23
002810 CS	Shandong Head Group	Commodity Chemicals	0.9%	4%	35%	22%	V	5	1.4	32	13	0.4	35
300811 CS	POCO Holding	Electronic Components	0.9%	6%	38%	13%	V	5	1.3	13	33	1.0	41
300401 CS	Zhejiang Garden Bio-chemical High-tech	Pharmaceuticals	0.9%	6%	34%	17%		4	1.3	33	13	0.5	34
300685 CS	Amoy Diagnostics	Biotechnology	0.9%	16%	18%	18%	V	7	1.3	12	24	1.6	24
603666 CG	Yijiahe Technology	Industrial Machinery	0.8%	13%	27%	22%	V	4	1.2	21	11	0.5	22
Average				10%	43%	17%			4.5	61	28	1.2	36

Notes: Prices as of Sep 30, 2022; Valuation items are I/B/E/S consensus. Stocks that are not eligible for Northbound Stock Connect have been excluded. *Basket is market cap-weighted while weights of individual stocks are capped at 5%. **\" indicates companies have conducted management incentive plans since 2016

Source: Wind, FactSet, IBES, Goldman Sachs Global Investment Research

Appendix

Exhibit 33: Policy focuses are evolving in China as the economy grows, as exemplified by the four 5-Year Plans in the past 2 decades

	Time period	Major objective		Key targets		Realized GDP growth and unemployment rate
				- Average annual GDP growth at 7%	√	
		Ta build a selection		- Registered urban unemployment rates at 5%		\dashv
		To build a relatively	Quantitative	- Per capita disposable income of residents increase by		- Dealized engine
		complete social security system and		5% annually	4	Realized annual GDP growth:
		make significant		- Raise R&D funding to 1.5% of GDP	Х	9.8%
Tenth Five-	2001–2005	progress in		- Optimize and upgrade the industrial structure		Realized registered
Year Plan		establishing a modern		- Improve the national economy and social IT levels		urban
		enterprise system in	0	- Kick-start the operations of more infrastructure		unemployment rate:
		state-owned	Qualitative	facilities - Raise levels of urbanization	-	4.2%
		enterprises.		- Increase education enrollment rates		
				- Reduce natural population growth rate		
				- Average annual GDP growth at 7.5%	V	
				- Urbanization rate up to 47% in 2010	1	7
			Quantitative	- Registered urban unemployment rates at 5%	1	Realized annual
		Optimize and upgrade	Quantitative	- Per capita disposable income of residents increase by	٧	GDP growth:
Eleventh Five-		the industrial structure		5% annually		11.2%
Year Plan	2006–2010	and improve resource		- Raise R&D funding to 2% of GDP	Х	Realized registered urban
		utilization.		- Quality growth with focus on "greener" GDP - Balancing growth and developing rural/inland		unemployment rate:
			Qualitative	economies	_	4.1%
			Qualitative	- Preferring domestic demand over trade		1.170
				- Further transition into a full market-based economy		
				- Average annual GDP growth at 7%	V	
				- Urbanization rate increase by 4%	1	
		Increase input in		- Registered urban unemployment rates at 5%	√	Realized annual
		education and science	Quantitative	Per capita disposable income of residents increase by	√	GDP growth:7.8%
Twelfth Five-	2011–2015	and technology and		7% annually Raise research and development funding to more than		Realized registered
Year Plan	2011-2013	set goals for		2.2% of GDP	Х	urban
		environmental		- Urbanization		unemployment rate:
		protection.	Qualitative	- Household income increases		4.1%
			Qualitative	- Housing reform	-	
				- Income redistribution and public service provision		
				- Average annual GDP growth at 6.5% - The value added of service increase to 56%	X	-
				- Registered urban unemployment rates at 5%	$\widehat{}$	-
			Quantitative	- Technological progress contribute to >60% of		Realized annual
				economic growth	4	GDP growth:
Thirteenth		Doubling income goal;		- Raise research and development funding to more than	Х	6.7% (2019)
Five-Year Plan	2016–2020	Use innovation to drive		2.5% of GDP	^	Realized registered
		development.		- Encourage people to do business creatively and drive		urban
				innovation - Made in China 2025		unemployment rate: 3.8%
			Qualitative	- Economy needs a Rule of Law"	-	0.070
				- National defense reform		
				- New national Urbanization		
				- Registered urban unemployment rates at 5.5%	-	
				- The added value of the digital economy industry	-	
				accounts for 10% of GDP Raise research and development funding gowth to		-
			Quantitative	more than 7%	-	
		Strengthen the		- Comprehensive food production capacity > 65mn tons	-	1
Fourteenth Five-Year Plan	2021–2025	domestic circulation; Make progress on the		Comprehensive energy production capacity > 460 mn	-	-
		common prosperity		tons of standard coal - Average annual GEP growth in a reasonable range		-
				- Keep the manufacturing industry proportion stable		
			0	- Ensure the disposable income growth broadly in line		
			Qualitative	with GDP	-	
				- Make the reform of the property rights system and fair		
		ble for fourteenth five-year		competition system more complete		

Source: Xinhua.net, Reuters, Data compiled by Goldman Sachs Global Investment Research

Exhibit 34: 134 names in the existing MSCI China universe had returned more than 10x within any 5-year periods over the past 20 years

achieved o year period	rs in MXCN constituents: ver 10x total return within 5-		present	Start - enci^^	USS	mn	ж (*	3.1	JSSmn	- U	ISD mn	*	×	K .	USSmn	Star	- end**			
Ticker	Name	Industry Group	Max Total Return within 5Y	Industry Group Return Within SY (multiple)	Start Date Mk	t cap	me me	IPEG II	P/B:	ADVT	End Date	Mkt cap	IP/E	tP/B	IP/E	ADVT	SPS CAG	EPS CAG		erabie Poli orbeta tallwi	ey nds
NTES UW	NotEase	Media	(multiple) 152x	-	Sep-01 @	10	-	-0	1.0	- 1	Mar-06	3,203	27.7	6.2	24.2	17.0	G 160			-	-
1268 HK 2353 HK	MeiDong Auto Great Wall Motor	Retailing Autos	58x 57x	tx 5c	Feb-16 @ Nov-08 @	100	2.6 0 2.6		1.0	7.1	Nov-20 Oct-13	5,393 19,943	15.0	9.2	10.6	43.3 25.1			0%		. '
VIPS UN 316 HK	Vipshop Orient Overseas (Int)	Retailing Transportation	85x 47x	Ox Gu	Apr-12 © Sep-02 ©	273	3.0 20.0	0.50	0.3	0.9	Mar-15 Jul-07	14,430 7,512	122.0	27.6	55.2	1.2	9 114	N 0 6	n		-
1579 HK	Yhai International	Food Bev	42x	34	Jan-17 @	414	10.7 20.1		2.4	-	Jan-21	17,242	133.3	28.9	79.1	4.0	39	% 3	2%	1.0	1
900948 CG 6865 HK	Inner Mongolia Yikai Coal Flat Glass	Erergy Semis	42x 40x	7x 3x	8ep-03 🚭	92 67 @	2.7 0 4.1	.0	0.8	1.7	Oct-07 Aug-21	18.025	32.4	7.8	33.0	10.2	D 41		1% 0	1.0	Ť,
NIO UN 700 HK	NIO Tencent	Autos Medig	39x 38x	4x	Oct-19 Jan-05	1,120	15.0 10.1	0.9	3.3	17.6	Jan-21 Dec-09	73,662 - 39,626	59.2	17.9 -	38.0	76.7 12.4	© 256 © 61	W 8		- 0	-
1066 HK 358 HK	Shandong Weigae Medical Jiangsi Copper	Healthcare Equip Materials	37x 36x	191	Apr-05 (8)	1,013	9.8 13.6 7.6 0 6.1		2.1	7.0	Apr-10 Sec-07	2,010	54.4 10.1	1.0	38.0 15.0	80.3	39	% 6 5	7%	- 0	
688 HK	COLI	Real Estate	34x	14K	Mar-03 @	422 @	8.4 54.1	1.2	0.6	6.8	Oct-07	17,425	44.2	4.7	25.7	38.7	19	16 4	9%	1.	
169 HK 914 HK	Dongyue Anhai Conch Cement	Materials Materials	33x 33x	18 18x	Feb-08 (IIII) Nov-02	75 770	10.0 12.1	0.7 @	0.9	9.9	Jun-11 Oct-07	2,327 16,711	21.3 53.8	4.6	33.6	13.7 7.8	48	% 0 14	2%	1	-
1 109 HK 2000 HK	China Resources Land Aluminum Corp of China	Real Estate Materials	33x 32x	15c	Apr.03 @ Sep-02 @	125 ©	7.8 13.0 4.9 11.0	0.8	1.1	10.1	Okt.07 Aug-07	9,397	22.3	1.9	34.7 22.7	37.6 136.4		% © 9	0% @ 4% @	1	-
2382 HK 1882 HK	Sunny Optical Haitian International Hidgs	Tech HW Cap Goods	32x 31x	14	Sep-11 Nov-08	180 @	4.5 0 6.4		1.3	0.9	Aug-16 Oct-13	5,862	40.7	4.3	27.7	7.4		N D 4	3%	1	-
2313 HK	Shonzhou Inf1	Cons Dur	30x	14	Oct-08 @	173 🔘	2.4 0 3.1	-	1.6	0.6	May-13	4,532	17.4	2.3	13.0	26.2	20	% 2	5% (8)	1	-
2899 HK 200596 CS	Zjin Mining Anhai Gujing Distillery	Materials Food flev	30x 30x	8x	Aug-04 @	187	8.8 15.1	6.2	2.7	0.1	Oct-07 Aug-11	6,873 2,580	79.5	15.7	17.1	58.8 0.1	112	% 8	1% 0	1	
784 HK 300274 CS	Hopson Development Sungrow Power Supply	Real Estate Cap Goods	20x 20x	12x	Dec-02 Oct-18	1,218	4.3 0 6.5 7.7		3.8	22.5	Oct-07 Jul-21	37,892	125.1	10.1	14.4 69.4	67.3	9 41	% 7 % 2	0	1.0	- 1
DO UN 1211 HK	Dago New Energy BYD	Servis Autos	26x 26x	2x 3x	Apr-17 @ Oct-05 @	195 @	5.4 @ 4.4 6.4 @ 7.5		0.8	0.2 3.3	Feb-21 Mar-10	7,615 7,901	95.5 38.5	5.5 7.2	21.2	7.2 4.6		% 0 7	75 0		1
1548 HK	Genecript Biotech	Pharma	27x		Jul-19 🚭	269	- 11.0	-	1.8	5.3	Jun-21	9,105 -		3.1 -		14.2	36	16		1.0	1
601100 CG 600809 CG	Hengli Hydraulic Xinghuacun Fen Wine	Cap Goods Food Bev	27x 27x	1x 4x	Feb-16 Feb-18	1,080	20.1 40.3		3.6	9.2 6.1	Jan-21 Dec-20	23,673 50,018	93.0	20.2 88.2	52.9 99.4	7.6	28		2%	1 0	
300061 CS TAL UN	SG Micro TAL Education	Semis Cors Svcs	25x 25x	3x	Jul-17 Jan-13 🔘	509 281	16.7 18.6	0.7	4.5	4.6	3ul-21 Sep-17	13,557	128.0	27.6	72.2	9.2	9 43	W 0	1%	1 0	. 1
BIDU UW	Raidu	Media	24x	-	Apr.06	548	88.0 197.0	1.8	10.6	5.1	Mar-11	36,684	92.1	28.4	48.3	6.0	D 86		8%		
2331 HK 257 HK	U Ning China Everbright Intil	Cons Dur Comm&Prof Sycs	24x	Gc -	Jul-16 Apr-03 🚳	987 50	16.6 501.2		0.5	5.2 0.7	Jun-21 Oct-07	1,627	23.8	12.0	57.3 45.0	12.5	@ 85	4 4	5%	1 0	-
300014 CS 002709 CS	EVE Energy Tino Material	Cap Goods Materials	20x 23x	1s 2s	Oct-18 Oct-18	1,485	16.2	0.5	10.4	23.6	Nov-21 Oct-21	43,514	167.2	10.7	61.2 43.1	24.7 52.9			7% 0	1 0	-
371 HK 002791 CS	Beijing Enterprises Water Guangdong Kinlong	Utilities Cap Goods	22x 21x	2x	Feb-09 C	402	- 25.0	-0	1.0		May-08 Jul-21	10.102	77.0	3.6 -	44.1	6.9	126	16	7	1.0	
2018 HK	AAC Technologies	Tech HW	20x	4x	Nov-08 💮	383 💮	3.7 0 4.0	-	4.7	0.6	May-13	6,968	22.1	4.4	16.1	52,2	36	% 0 4	2%	1	
3311 HK 1772 HK	China State Construction Genfeng Lithium	Cap Goods Materials	20x 20x	2x 2x	Aug-19	3,421	9.4 13.2		1.0	10.1	Jul-09 Aug-21	1,299 45,700	20.3 90.1	1.3 0.2	18.0	36.1	a 49	% 28		1 0	-
1030 HK	Seazen Group Sino Biophams	Real Estate	20x 20x	2x	Sep-14 @ Dec-00 @	487	2.2 0 2.1	0.2 @	0.6	4.1	Jun-19 Jun-05	7,782	7.8	1.4	15.7	6.7	32 16	N 0 5	7%	1	-
1044 HK	Hengan	Pharma HH Products	19x		Dec-02 @	271	- 10.5	-	1.3	0.5	Nov-07	4,595	43.7	7.5	39.0	3.3 227.1	39	% 3		-	Ť.
002176 CS 002371 CS	Jiangel Special Electric Metor MAURA Technology	Cap Goods Sersis	19x	1 t 3 t	May-17	1,547	76.6		3.8	28.1	Aug-21 Jul-21	6,935 -	396.9	13.1	210.6	9.2	9 47 9 42	% 0 128 % 0 6	7% @	1.0	-
603185 CG 602812 CS	Shangi Automation Yunnan Energy New Material	Cap Goods Materials	10x 16x	1s 2s	Nov-19 Jan-17	1.076	- 22.1		5.3	2.2	Aug-21 Oct-21	13,712	138.7	12.9 -	66.0	6.0	343	% • 25	5%	1.0	1
601012 CG	LONG: Green Energy Zhongsheng Group	Serse	18x	21	Dec-16	3,847	17.0		2.6	21.2	Oct-21	82,633	60.2	9.9	36.8	314.5	50	% 0 4	2%	1.0	1
881 HK 2236 HK	Guangzhou Automobile	Retailing	16x 16x	1 x 9 x	Feb-16 Feb-00 @	195	- 56.9		8.0	2.2 4.8	Nov-20 Jan-04	17,116 4,051	26.3 24.0	5.0	17.2	23.1		% 0 4		1	. '
136 HK 600763 CG	Ruyi Holdings Translating Merical	Media Healthcare Equip	18x 18x	2x 2x	Mar-20 Aug-17	1,123	38.1 49.0		13.2	5.5 2.8	Pets-21 Jun-21	15,478 20,395	2031.3	15.3 -	151.3	67.B	9 1248 26	% 1 808	9%	1	
653 HK	WicroPort Scientific	Healthcare Equip	16x	2x	Feb-16	573	34.9		2.2	0.9	Jan-21	12,550 -		8.7	702.6	8.3	15	%	. 0	1.0	- 1
570 HK 000799 CS	Trad Chi Med Jiugui Liquer	Pharma Food Bev	17x 17x	24	Oct-05 @	31 704	13.1 23.6		4.4	0.6 6.2	May-13 Jun-21	1,057	39.6 126.2	17.8	91.2	15.2	B 49	% 0 8	9%	1.0	1
900926 CG 857 HK	Baosight Software PetroChina	Software Energy	17x	114	Feb-00 Nov-02	3,359	6.4 9 6.1	1.4 @	1.0	37.4	Jun-81 Det-87	629 - 52,810	24.3	7.4 -	21.5	9.0	25			-	
002568 CS 601888 CG	Shanghai Bairun Investment	Food Bev	17x	2x	Oct-18	631	17.6		5.2	8.9	Jun-21	10,999	132.6	17.3	75.2	12.5	32	4 8	8%	1 0	1
1585 HK	China Tourism Group Duty Free Yadee Group	Retailing	16x 16x	4x	Jun-16	522 🚳	7.1 6 6.1	-	1.7	3.6	May-21 Jan-21	7,802	73.7	10.7	49.5 35.4	11.2	37	% 3		1 0	1
300595 CS 175 HK	Outtek China Geely	Healthcare Equip Autos	16x 15x	2x 4x	Jul-17 Oct-08 (8)	816 243 @	20.9 86.6		1.9	10.3	Jun-21 Oct-10	4,100	163.8	28.4	16.4	185.6	9 119				- 1
002714 CB 300122 CB	Muyuan Foods Zhifei Biological Products	Food Bev Pharma	15x	3к	Jan-17 Jan-17	3,501	11.2 11.5		4.3	-	Feb-21 Apr-21	66,283	16.4	5.0 28.7	12.2	67.9	@ 66		5%	1.0	1
600132 CG	Changaing Brewery	Food Bev	15x	34	Jul-16	1,088	22.6	-	8.8	3.6	Jun-21	14,827	71.8	98.4	81.2	2.0	34	10 4	5% 📵	1.0	1
384 HK 285 HK	Ovine Ges BVD Electronic	Utilities Tech HW	15x 14x	2x 2x	Oct-08 @ Sep-12 @	267 @	0.7 16.6 5.5 5 5.6		0.5	18.6	Jul-13 Sep-17	6,604	22.3	1.0	18.6	6.3	21	% 0 7	5%	1	
2338 HK 1818 HK	Welchai Power Zhaojn Mining Industry	Cap Goods Materials	14x	2x 2x	Peb-05 @ Oct-03 @	156	7.2 0 8.2 5.5 0 8.4		1.9 8.0	3.6 20.8	Nov-10 Aug-11	16,201	14.6	7.3	21.6	16.6	9 66 9 45	% 0 6	7% 3%		
BONE UW	BeiGene	Pharma	14x	44	Jul-16	883	-			0.1	May-21	34,500 -		6.1 -		-	326	16	- 0	1.0	1
136 HK 902 HK	KunLin Energy Husneng Power	Utilities	14x 14x	7s	Cet-02 @	332 @	8.6 0 7.5 3.5 0 4.1	0.8	1.0	1.6 0.3	Oct-07 War-04	3,906 15,144	23.8	2.7	13.5	31.6 18.8	24		2%	1	
603737 OG 3323 HK	SKEHU Paint National Building Material	Materials Materials	13x 13x	2x 3x	Dec-18 May-08 @	705 245	15.7 22.0		3.6	-	Jun-21 Oct-07	10,254	102.3	16.2	45.3	1.4	@ 60 @ 46	% 12	. 0	1 0	. 1
002192 CS GDS UQ	YOUNGY GDS Heldings	Materials Software	13x 13x	2x 3x	Oct-18 May-17	465 672	- 100.0	-	11.2	6.2	Aug-21 Jan-21	6,708	1396.2	10.7 -		15.6	36 56	% M	- 0	1 0	1
268 HK	Kingdee International	Software	13x	46	Jun-16	905	27.8 50.7	-	2.7	19.4	Dec-20	14,128	2065.4	11.8	749.0	16.1	13	N.	. 0	1.0	- 1
322 HK 300601 CB	Tingyi Kangtai Biological	Food Dev Pharma	13x 13x	3ε	Mar-05 May-17	1,543	10.0 0 4.3	1.9	1.5	2.4	Nov-09 Jul-29	13,841 21,888 -	44.3	20.6	126.0	9.2	24	% O 4	4% (8)	1 8	1
1919 HK 3998 HK	COSCO SHIPPING Bosideng International	Transportation Core Dur	13x 12x	de Se	Oct-05 May-17	897 (a)	5.1		0.7	9.2 6.5	Oct-07 Aug-21	8,862	120.0	2.9	23.0	74.0 47.9			1%	1 0	1
601633 CG 002460 CS	Great Wall Motor Ganfeng Lithium	Autos Materials	13x 13x	3x 2x	Des-18 Jan-17	6,694 CD	9.6 8. 4	1.8 👄	1.0		Oct-21 Aug-21	79.200 45,760	80.2 130.3	8.0 12.7	54.7 89.7	20.0 57.6	12	16	9% 0	10	1
6185 HK	Cantino Biologies	Pharma	13x	-	Aug-19	542	12:0 32:3			0.1	Jun-21	20,885 -	130.3	5.1	8.3	1.0			- 0	1.0	1
603799 CG 000733 CS	Zhejiang Huayou Gobalt Zheshua Science & Tech	Materials Tech HW	13x 13x	2x	Feb-16 Dec-15	1,154	17.1 21.1		5.6	14.1	Jan-21 Jun-22	17,491 -	37.9	9.1	88.6	66.5		% • 12		1 0	1
603806 CG 200247 CS	First Applied Material Tigermed Consulting	Servs Pharma	12x 12x	34	Jul-18 Jan-17	1,615	12.9 18.1 39.8	-	2.7	2.1	Aug-21 Jun-21	22,368 25,303	69.8 87.9	7.3	81.2 88.7	18.3	38		2%	1.0	1
600309 CG	Wantsa Chemical	Materials	12x	2x	Mar-16	4,931	13.1		4.0	15.2	Pet-21	63,573 -		5.9	23.7	34.3	38	10 4	7% 🔵	10	1
2628 HK 2269 HK	China Life Insurance Wast Biologics	Insurance Pharma	12x 12x	114	Apr-04 Jul-17	4,065 5,212	16.4 77.8 247.2		3.1	108.6	Oct-07 Jun-21	267,518 77,544	42.8 296.4	17.0	157.6	93.0 8.0	G 62		2% 🔘	1.0	1
2883 HK 603486 CG	Oilfield Services Ecovacs Robotics	Energy Cors Dur	12x 12x	9x 2x	Apr-03 © Nov-19	325 1,530	14.9 12.1	2.1	1.4	14.1	Oct-07 Jun-21	21,681	48.5 137.2	2.5	32.6	26.0	30	W . 4	1% 0		- 1
146 HK 002326 CB	Kingboard Holdings	Tech HW Materials	12x 12x	16	Oct-02 Jun-18	310 @	5.0 0 5.1	0.5		1.1	Sep-07 Oct-21	5,340 7,573	5.4 525.2	1.6	14.0 33.6	2.2		N . 5		- 1	-
300015 CS	Zhejiang Yengtai Technology Aler Eye Hospital	Healthcare Equip	12x	2x	Mary17	4,418	37.2 54.0		9.6	11.5	Jun-21	59,380	176.6	31.3	139.5	50,1 35.8	24	% 3	1%	- 0	- 1
600438 CG 3888 HK	Tongmei Kingsoft	Food Bev Media	12x 12x	2t	May-17 Feb-09	3,130	13.1 17.1 6.2 0 8.1		1.8	0.2	Aug-21 Jan-14	42,486	48.4 37.3	5.7 6.1	29.3	104.7	23 36	% 1	7%	1 0	. 1
600460 CG 2020 HK	Kingsoft Silan Microelectronics ANTA	Sersix Core Our	12x	2x	Jan-17 Jul-16	1,097	- 605.0		3.1	13.4	Jul-21 Jun-21	14,103	382.5	9.5	55.6	72.3		% 0	7% 0	1 0	1
1171 HK	Yanzhou Coal Mining	Energy	12x	8x	Mar-02	2,250 @	3.8 0 3.6		1.0	1.6	Feb-05	5,004	19.3	2.5	9.9	22.0	29	% 3	2%		- 1
BILI UW 966 HK	Bilbili China Yaiping Insurance	Media Insurance	12x 11x	2x 6x	Apr-18 Jul-05 ©	2,109	24.5	2.9	1.6	3.7	Feb-21 Nov-09	33,013 - 6,589 -		21.7 -	39.2	9.1 5.1	35		: 0	1 0	1
992929 CS	Desay SV Automotive	Autos	11x	2x	Dec-18	1,390	16.8 19.7		2.4		Jul-22	16,072	116.3	14.6	71.0	4.0	25	% 3		1 @	1
968 HK 144 HK	Xinyi Solar China Merchants Port	Servis Transportation	11x 11x	3x 8x	Peb-16 Dec-02	1,437	10.9 15.2	0.9	1.0	35.8 1.0	Dec-20 Oct-07	23,006 16,725	57.0 44.5	3.6	28.5 34.1	12.0	31	% 3	2% 0	10	
2688 HK 2689 HK	ENN Energy Holdings Limited Nine Dragons	Utilities Materials	11x 11x	4x 3x	Oct-02 @ Oct-08	134 @ 721 @	2.9 9 2.1	1.8	1.7	147.2	Sep-97 Nov-99	2,026 8,413	37.1	1.3	29.1	64.4	9 64	16	5%	-	-
HTHT UW 2318 HK	H World Group Pine An	Cors Svcs Insurance	11x 11x	10x	Jun-13 Jul-04	991 3,264	21.8 33.6 19.7 29.1		29.3	0.0	May-18 Sep-07	12,826	67.5	120.8	41.6 47.0	15.6	18		2%		
694 HK	Boying Capital International Airport	Transportation	11x	Bx	Oct-02 @	285	11.6 15.5	1.0	1.1	1.9	Sep-07	3,262	57.9	2.6	87.8	11.4	10	% 2	2%	1	
1183 HK	China Resources Gas Webb	Utilities Media	11x	2x 1x	Oct-08 @ Sep-15	370 1,080	27.9	3.3	5.2	0.4	Apr-13 Jan-18	6.233	20.5	19.3	46.1	1.3	D 73	% 💮 23	5% 1%		-
386 HK 3866 HK	China Petroleum & Chemical Sinotruk Hong Kong	Energy Cap Goods	11x 11x	11s 1s	Nov-02 Jan-16	30,101 (6) 915	7.1 9 7.0		0.8	06.4	Oct-07 Jul-20	267,062 6,603	16.6	2.4	13.8	284.9 3.5	32	% 3	1%		
631 HK	Sany Heavy	Cap Goods	11x	16	Sep-16 🔘	423	24.0		0.7	2.2	Aug-21	4,045	21.8	2.0	16.9	6.0	8 42	16	-		-
ZLAB UQ 2009 HK	Zai Lab China Overseas	Pharma Real Estate	11x 11x	2x	Oct-18 Peb-16 @	951 304	- 29.		79:3	9.9	May-21 May-20	16,888 - 3,719	53.6	101.6 -	37.4	102.0	9 1412 18	% 2	974	1 0	1
1995 HK 2367 HK	Ever Surshine Lifestyle Services AviChina	Real Estate Cap Goods	11x 11x	1s 2s	Jan-19 Dec-05 Dec-05	409 86	12.1 35.5		2.6	1.1	Jan-21 Oct-10	4,815	162.2	8.3	47.0 23.6	17.2	-1	% 📦 4	1%		1
600519 DG 300223 CS	Kneishow Moutai Ingenic Semiconductor	Food Dev Servis	11x	4x		519	10.8 15.1	2.3	6.3	2.3	Dec-20	363,786 13,801	56.3 917.0	15.6	45.0	3.9	20	% 2	3% 0	1 0	-
956 HK	China Suntien Green Energy	Energy	10x	10	Dec.16 @	237	7.9 12.0		0.4	7.3	Sep-21	8,318	11.7	.0.7	11.1	42.5	32	% 3	5%	. 0	
300750 CS 002129 CB	CATL TCL Zhonghuan	Cap Goods Servis	10x 10x	1s 3s	Aug-18 Oct-18	20,835	37.6 47.1	3.5	2.8	15.9	Nov-21 Jun-22	248,774 28,415	192.4	12.6	85.0 28.3	7.2	S 51	% 🚳 10	1% 0	10	
168 HK 002850 CS	Tsingtao Brewery	Food Bev	10x	3x	May-00	658	19.5 25.6		1.0	1.8	Oct-03	1,273	49.1	1.3	33.6	7.3	21	N 💿 - 4	75. (8)		
606436 CG	Kedali Piertzelsseng Pharma	Autos Pharma	10x 10x	3ε	Cet-18 Feb-18	510 2.783	21.1 38.1		8.8	1.0	Nov-21 Jan-21	6,444 27,879	115.3	5.5 20.5	40.7 84.6	3.7 4.6	26	N 3	6% B	1 0	
000893 CS 600779 CG	Asia-Potash Int'l Sichum Swelfen	Materials Food Bev	10x 10x	1s 2s	Jul-18 Sep-15	387 822			4.0	1.9	Apr-22 Aug-20	6,423	30.1 63.0	12.0	14.9 43.5	7.3	29	% 🚳	5% G	1 0	7
000155 CS 600346 CG	Sichuen New Energy Power	Cap Goods	10x 10x	14	Jan-19	648	- 30.1		1.4	4.5	Aug-21	6,809	20.6	2.3	77.6 17.2	99.7	24	% 1	2%	. 0	1
COURSE DE	Hengli Petrochemical	Materials	10x	2x 2x	Jun-16 Oct-18	2,471			21.0	5.1	Jan-21 Dec-20	42,055 166,264 -		23.0	649.3	62.6 12.6	9 97	% 0 7		1 0	- 1
PDD UW	POD	Retailing	14×			639	13 15	0.8		2.8			57		35	11.7	36	% S			_1

Source: MSCI, FactSet, Goldman Sachs Global Investment Research

Exhibit 35: Distribution of multi-baggers by starting year & sector

	Starting Year	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
	Capital Goods	-	-	-	-	-	2	1	-	1	-	-	-	-	-	-	-	3	-	4	2	1	14
	Transportation	-	-	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
	Autos & Components	1	-	-	-	-	1	-	-	2	-	-	-	-	-	-	-	1	-	3	1	-	9
	Consumer Durables	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	2	1	-	1	-	5
<u>8</u>	Consumer Services	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	2
Cyclicals	Commercial Services	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
٥	Retailing	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	3	-	1	-	-	5
	Software & Services	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	3
	Media & Entertainment	-	1	-	-	-	1	1	-	-	1	-	-	-	-	-	1	-	-	1	-	1	7
	Tech Hardware	-	-	1	-	-	-	-	-	1	-	-	1	1	-	-	-	-	-	1	-	-	5
	Semiconductors	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4	4	-	-	10
nm	Energy	1	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	6
Cor odii	Materials	-	-	3	-	1	-	1	-	3	-	-	-	-	-	-	-	3	2	5	1	-	19
"	Banks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Financials	Diversified Financials	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
inan	Insurance	-	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
ш	Real Estate	-	-	1	2	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	1	-	6
	Telecom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
	Food & Beverage	1	-	-	-	-	1	-	-	1	-	-	-	-	-	-	1	3	3	2	-	-	12
ςς	Pharma & Biotech	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	3	4	1	1	-	11
Sive	Utilities	1	-	2	-	-	-	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	6
Defensives	Health Care Equip & Svcs	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	3	-	-	-	5
	Household Products	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Total	6	1	13	5	3	8	4	0	12	1	0	1	2	2	1	2	24	18	22	7	2	134

Source: MSCI, FactSet, Goldman Sachs Global Investment Research

Exhibit 36: Distribution of multi-baggers by ending year & sector

	Ending Year	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
	Capital Goods	<u> </u>	<u> </u>	<u> </u>		<u> </u>	-	-	-	1	2	<u> </u>		1			<u> </u>				1	9		14
	Transportation	ļ	<u> </u>	<u></u>			<u> </u>	4					<u> </u>									-		4
	Autos & Components	<u> </u>	-	<u> </u>	1	-	-	-	-	-	2	-	-	1	-	-	-	-		-	-	4	1	9
	Consumer Durables	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	4	-	5
<u>8</u>	Consumer Services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	2
Cyclicals	Commercial Services		-	-		-	-	1	-	-	-	-	-		-	-	-	-		-	-	-	-	1
ن	Retailing	-	-	-	-	-	-	-	-	-		-	-	-	-	1	-	-		-	3	1	-	5
	Software & Services	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	3
	Media & Entertainment	-	-	-	-	-	1	-	-	1	-	1	-	-	1	-	-	-	1	-	-	2	-	7
	Tech Hardware	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	1	-	-	-	-	1	5
	Semiconductors	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	8	1	10
nm	Energy	-	-	-	-	1	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	6
Cor	Materials	-	-	-	-	-	-	5	-	1	-	2	-	-	-	-	-	-	-	-	-	10	1	19
	Banks		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Financials	Diversified Financials	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
nan	Insurance		-	-	-	-	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	3
ίΞ	Real Estate	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	6
	Telecom		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
	Food & Beverage	-	-	1	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	3	6	-	12
ω	Pharma & Biotech	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	8	-	11
Defensives	Utilities	-	-	-	1	-	-	2	1	-	-	-	-	2	-	-	-	-	-	-	-	-	-	6
efen	Health Care Equip & Svcs	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	4	-	5
ă	Household Products	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Total	1	0	1	2	2	1	23	1	5	5	4	0	7	1	1	1	2	2	1	11	59	4	134

Source: MSCI, FactSet, Goldman Sachs Global Investment Research

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Reg AC

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