Morgan Stanley China A Share Fund, Inc. Form N-CSR March 12, 2012

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM N-CSR

CERTIFIED SHAREHOLDER REPORT OF REGISTERED MANAGEMENT INVESTMENT COMPANIES

Investment Company Act file number 811-21926

Morgan Stanley China A Share Fund, Inc. (Exact name of registrant as specified in charter)

522 Fifth Avenue, New York, New York (Address of principal executive offices)

10036 (Zip code)

Arthur Lev

522 Fifth Avenue, New York, New York 10036 (Name and address of agent for service)

Registrant s telephone number, including area code: 212-296-6990

Date of fiscal year December 31, 2011

end:

Date of reporting period: December 31, 2011

Item 1 - Report to Shareholders

Morgan Stanley China A Share Fund, Inc. **Directors** Michael E. Nugent Frank L. Bowman Michael Bozic Kathleen A. Dennis James F. Higgins Dr. Manuel H. Johnson Joseph J. Kearns Michael F. Klein W. Allen Reed Fergus Reid **Officers** Michael E. Nugent Chairman of the Board and Director Arthur Lev President and Principal Executive Officer Stefanie V. Chang Yu Vice President Francis J. Smith Treasurer and Principal Financial Officer Mary Ann Picciotto Chief Compliance Officer Mary E. Mullin

Secretary

Investment Adviser and Administrator

Morgan Stanley Investment Management Inc.

522 Fifth Avenue

New York, New York 10036

Custodian

State Street Bank and Trust Company

One Lincoln Street

Boston, Massachusetts 02111

Stockholder Servicing Agent

Computershare Trust Company, N.A.

250 Royall Street

Canton, Massachusetts 02021

Legal Counsel

Dechert LLP

1095 Avenue of the Americas

New York, New York 10036

Independent Registered Public Accounting Firm

Ernst & Young LLP

200 Clarendon Street

Boston, Massachusetts 02116

For additional Fund information, including the Fund's net asset value per share and information regarding the investments comprising the Fund's portfolio, please call toll free 1 (800) 231-2608 or visit our website at www.morganstanley.com/im. All investments involve risks, including the possible loss of principal.

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INVESTMENT MANAGEMENT

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China A Share Fund, Inc.
(CAF)

Morgan Stanley

Investment Management Inc.

Investment Adviser

Annual Report

December 31, 2011

Morgan Stanley China A Share Fund, Inc.

December 31, 2011

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Overview

Letter to Stockholders (unaudited)

Performance

For the year ended December 31, 2011, the Morgan Stanley China A Share Fund, Inc. (the "Fund") had total returns of -17.63%, based on net asset value, and -27.94% based on market value per share (including reinvestment of distributions), compared to its benchmarks, the Morgan Stanley Capital International (MSCI) China A Index (the "Index"), which returned -22.91%, and the "China Blended Index", a custom blend of 80% of the MSCI China A Index and 20% of the MSCI China Index, which returned -21.73%. On December 31, 2011, the closing price of the Fund's shares on the New York Stock Exchange was \$19.35, representing a 13.8% discount to the Fund's net asset value per share. Past performance is no guarantee of future results.

Factors Affecting Performance

- During 2011, the government maintained the tightening policy that began in 2009 due to concerns about potential risk in local government financing vehicle (LGFV) loans, escalating asset prices, and rising inflation. These concerns continued to weigh on the market throughout the year, which caused the market to remain sluggish despite healthy earnings growth.
- In the fourth quarter of 2011, inflation started to come down and became less of a worry for the government, while economic growth slowed slightly. However, monetary and fiscal policies remained tight, which was negative for market liquidity, revenue growth, and profit margins. Going forward, we expect the tight monetary and fiscal policies to moderate, but remain prudent.
- The Fund's outperformance for the fiscal year period mainly came from stock selection in the industrials, consumer discretionary, and information technology (IT) sectors; sector allocation also contributed to performance with an overweight in the consumer staples sector and underweights in the industrials and materials sectors.
- In contrast, the Fund's stock selections in the energy and health care sectors were the primary performance detractors.
- The Fund occasionally utilizes structured investments to gain access to China's A-share market. Structured investments exposure is intended to mirror the performance of the underlying stock.

Management Strategies

- The Fund seeks to achieve its investment objective of capital growth by investing, under normal circumstances, at least 80% of its assets in A-shares of Chinese companies listed on the Shanghai and Shenzhen Stock Exchanges, either by investing directly in A-shares through a licensed qualified foreign institutional investor or by gaining exposure to the A-share market through the use of derivatives.
- Over the course of the period, the Fund held overweight positions in the consumer staples, health care, and consumer discretionary sectors. We believe China is likely to change its economic growth structure over the next decade, i.e. from one that is more investment and export driven to a more domestic consumption driven one. In addition, we believe that rapid income growth and continuous urbanization should not only boost volume growth but also lead to ongoing demand as consumers trade

Morgan Stanley China A Share Fund, Inc.

Overview

Letter to Stockholders (unaudited) (cont'd)

up to more expensive items and brands. Specifically, we like consumer staples with strong brand recognition and pricing power, and consumer retailers with competitive distribution networks.

- We are positive on the health care sector as we believe expanding social medical coverage and facilities construction are likely to boost Chinese health care spending in the future.
- We are also positive on selected information technology companies as we believe many Chinese corporates have been growing on a scale that requires capital expenditures in upgrading their IT systems to optimize operations and cost management.
- We held an underweight position in the industrials and materials sectors on concerns over sluggish demand, overcapacities, and margin pressures, on expectation of a slowdown in fixed-asset investment resulting from the government's tightening and weak overseas demand.
- We are negative on the utilities and telecommunications sectors given their limited growth potential, tight profit margins, high capital expenditures cost and demanding valuation, in our opinion.

Sincerely,

Arthur Lev

President and Principal Executive Officer January 2012

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December 31, 2011

Portfolio of Investments

	Shares	Value (000)
COMMON STOCKS (100.9%)		, ,
Auto Components (4.7%)		
Huayu Automotive Systems		
Co., Ltd., Class A	15,719,337	\$ 23,127
Automobiles (9.1%)		
SAIC Motor Corp., Ltd.	19,966,402	44,856
Beverages (7.2%)		
Tsingtao Brewery Co., Ltd.,		
Class A	6,648,039	35,363
Capital Markets (4.8%)		
CITIC Securities Co., Ltd.,		
Class A	8,487,243	13,093
Haitong Securities Co., Ltd.,		
Class A	8,981,200	10,574
		23,667
Chemicals (2.9%)		
Qinghai Salt Lake Industry Co.,		
Ltd.,		
Class A (a)	2,764,868	14,044
Commercial Banks (11.7%)		10 =01
Agricultural Bank of China, Ltd.	30,663,900	12,764
Bank of Communications Co., Ltd.,		
Class A	20,424,181	14,538
China Merchants Bank Co.,		
Ltd.,		
Class A	15,840,032	29,873
		57,175
Construction Materials (5.5%)		
Anhui Conch Cement Co., Ltd.	3,160,018	7,857
Tangshan Jidong Cement Co.,		
Ltd. (a)	1,963,694	5,201
Xinjiang Tianshan Cement Co.,		
Ltd.,		
Class A	4,133,751	13,944
		27,002
Electrical Equipment (1.3%)		
TBEA Co., Ltd.	5,206,869	6,354
Food & Staples Retailing (5.3%)		
	19,314,687	25,931

3 9 9	,	,
Wuhan Zhongbai Group Co.,		
Ltd.,		
Class A		
Health Care Providers & Services (3.	0%)	
Shanghai Pharmaceutical	, . ,	
Holding Co.,		
Ltd., Class A	8,443,004	14,863
Household Durables (3.5%)	0,110,001	11,000
Gree Electric Appliances, Inc.,		
Class A	6,172,836	16,957
Olass A	0,172,000	10,557
		Value
	Shares	(000)
Insurance (9.7%)	Onares	(000)
China Pacific Insurance Group		
Co.,		
Ltd., Class A	11,580,552	\$ 35,345
Ping An Insurance Group Co.	11,000,002	φ 00,010
Class A	2,271,452	12,429
Sideo / C	2,271,102	47,774
Internet Software & Services (0.3%)		17,771
Sohu.com, Inc. (a)	29,100	1,455
Machinery (3.0%)	20,.00	1,100
Zhengzhou Yutong Bus Co.,		
Ltd.,		
Class A	3,953,030	14,860
Metals & Mining (3.9%)	-,,	,
Baoshan Iron & Steel Co., Ltd.	14,557,600	11,218
Shandong Nanshan Aluminum	,007,000	,= . •
Co., Ltd., Class A	7,973,010	8,018
, ,	, = = , = =	19,236
Oil, Gas & Consumable Fuels (6.5%)		-,
China Petroleum & Chemical		
Corp.,		
Class A	15,389,743	17,556
Shanxi Xishan Coal &	, ,	,
Electricity		
Power Co., Ltd., Class A	6,284,511	14,578
		32,134
Pharmaceuticals (2.6%)		
Jiangsu Hengrui Medicine Co.,		
Ltd.	2,775,239	12,981
Real Estate Management & Develop	ment (6.6%)	
China Vanke Co., Ltd., Class A	17,299,565	20,532
Shanghai Shimao Co., Ltd. (a)	7,311,049	12,139
		32,671
Software (6.7%)		
UFIDA Software Co., Ltd.,		
Class A	11,450,331	32,747
Specialty Retail (2.6%)		
-		

Suning Appliance Co., Ltd.,

Class A 9,545,209 12,800 **TOTAL COMMON STOCKS** (Cost \$554,108) 495,997

The accompanying notes are an integral part of the financial statements.

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December 31, 2011

Portfolio of Investments (cont'd)

	Shares	Value (000)
SHORT-TERM INVESTMENT (0.1%)		
Investment Company (0.1%)		
Morgan Stanley Institutional		
Liquidity Funds Money Market		
Portfolio Institutional Class		
(See Note F) (Cost \$533)	533,185	\$ 533
TOTAL INVESTMENTS (101.0%) (Cost	t \$554,641)	496,530
LIABILITIES IN EXCESS OF OTHER A	ASSETS (-1.0%)	(5,156)
NET ASSETS (100.0%)		\$ 491,374

(a) Non-income producing security.

Fair Value Measurement Information:

The following is a summary of the inputs used to value the Fund's investments as of December 31, 2011. (See Note A-4 to the financial statements for further information regarding fair value measurement.)

		Level 2		
Investment	Level 1 Unadjusted quoted prices	Other significant observable inputs	Level 3 Significant unobservable inputs	Total
Туре	(000)	(000)	(000)	(000)
Assets:	()	(===)	()	(333)
Common Stocks				
Auto				
Components	\$ 23,127	\$	\$	\$ 23,127
Automobiles	44,856			44,856
Beverages	35,363			35,363
Capital				
Markets	23,667			23,667
Chemicals	14,044			14,044
Commercial				
Banks	57,175			57,175
Construction Materials Electrical	27,002			27,002
Equipment	6,354			6,354
Food & Staples	25,931			25,931

Retailing		
Health Care		
Providers &		
Services	14,863	14,863

Fair Value Measurement Information: (cont'd)

		Level 2		
	Level 1	Other	Level 3	
	Unadjusted	significant	Significant	
	quoted	observable	unobservable	
Investment	prices	inputs	inputs	Total
Туре	(000)	(000)	(000)	(000)
Assets: (cont'd)				
Common Stocks	(cont'd)			
Household				
Durables	\$ 16,957	\$	\$	\$ 16,957
Insurance	47,774			47,774
Internet				
Software &				
Services	1,455			1,455
Machinery	14,860			14,860
Metals &				
Mining	19,236			19,236
Oil, Gas &				
Consumable				
Fuels	32,134			32,134
Pharmaceuticals	12,981			12,981
Real Estate				
Management				
&	00.074			22.274
Development	32,671			32,671
Software	32,747			32,747
Specialty	40.000			40.000
Retail	12,800			12,800
Total				
Common	405.007			405.007
Stocks	495,997			495,997
Short-Term				
Investment				
Investment	533			533
Company		φ	Φ	
Total Assets	\$ 496,530	\$	\$	\$ 496,530

Transfers between investment levels may occur as the markets fluctuate and/or the availability of data used in an investment's valuation changes. The Fund recognizes transfers between the levels as of the end of the period. As of December 31, 2011, the Fund did not have any significant investments transfer between investment levels.

December 31, 2011

Portfolio of Investments (cont'd)

Portfolio Composition

Classification	Percentage of Total Investments
Other*	32.5%
Commercial Banks	11.5
Insurance	9.6
Automobiles	9.0
Beverages	7.1
Software	6.6
Real Estate Management & Development	6.6
Oil, Gas & Consumable Fuels	6.5
Construction Materials	5.4
Food & Staples Retailing	5.2
Total Investments	100.0%

^{*} Industries representing less than 5% of total investments.

December 31, 2011

Financial Statements

Statement of Assets and Liabilities	December 31, 2011 (000)		
Assets:		(3.3.)	
Investments in Securities of Unaffiliated Issuers, at Value			
(Cost \$554,108)	\$	495,997	
Investment in Security of Affiliated Issuer, at Value (Cost		,	
\$533)		533	
Total Investments in Securities, at Value (Cost \$554,641)		496,530	
Foreign Currency, at Value (Cost \$9,365)		9,501	
Receivable from Affiliate		@	
Other Assets		38	
Total Assets		506,069	
Liabilities:			
Payable for Line of Credit		8,102	
Payable for Investment Advisory Fees		4,234	
Payable for Excise Tax		1,786	
Payable for Administration Fees		226	
Payable for Custodian Fees		160	
Payable for Professional Fees		156	
Payable for Directors' Fees and Expenses		7	
Payable for Stockholder Servicing Agent Fees		1	
Other Liabilities		23	
Total Liabilities		14,695	
Net Assets			
Applicable to 21,881,465 Issued and Outstanding \$0.01			
Par Value Shares (100,000,000 Shares Authorized)	\$	491,374	
Net Asset Value Per Share	\$	22.46	
Net Assets Consist of:			
Common Stock	\$	219	
Paid-in-Capital		506,037	
Accumulated Net Investment Loss		(7)	
Accumulated Net Realized Gain		43,100	
Unrealized Appreciation (Depreciation) on:			
Investments		(58,111)	
Foreign Currency Translations		136	
Net Assets	\$	491,374	

[@] Amount is less than \$500.

December 31, 2011

Financial Statements (cont'd)

Obstance and of Our analysis		ear Ended mber 31, 2011
Statement of Operations		(000)
Investment Income:		
Dividends from Securities of Unaffiliated Issuers (Net of	•	
\$713 of Foreign Taxes Withheld)	\$	5,759
Dividends from Security of Affiliated Issuer		1
Interest from Securities of Unaffiliated Issuers		41
Total Investment Income		5,801
Expenses:		
Investment Advisory Fees (Note B)		8,806
Excise Tax (Note E)		1,786
Custodian Fees (Note D)		969
Administration Fees (Note C)		470
Professional Fees		297
Stockholder Reporting Expenses		90
Directors' Fees and Expenses		18
Stockholder Servicing Agent Fees		6
Administrative Fees on Line of Credit (Note G)		6
Commitment Fee (Note G)		1
Interest Expense on Line of Credit (Note G)		1
Other Expenses		53
Total Expenses		12,503
Rebate from Morgan Stanley Affiliate (Note F)		(2)
Net Expenses		12,501
Net Investment Loss		(6,700)
Realized Gain (Loss):		,
Investments Sold		48,142
Foreign Currency Transactions		383
Net Realized Gain		48,525
Change in Unrealized Appreciation (Depreciation):		·
Investments		(152,201)
Foreign Currency Translations		22
Net Change in Unrealized Appreciation		
(Depreciation)		(152,179)
Total Net Realized Gain and Change in Unrealized		(-) -/
Appreciation (Depreciation)		(103,654)
Net Decrease in Net Assets Resulting from		(,)
Operations	\$	(110,354)

December 31, 2011

Financial Statements (cont'd)

	Year Ended December 31, 2011	Year Ended December 31, 2010
Statements of Changes in Net Assets	(000)	(000)
Increase (Decrease) in Net Assets:		
Operations:		
Net Investment Loss	\$ (6,700)	\$ (3,739)
Net Realized Gain	48,525	14,861
Net Change in Unrealized Appreciation		
(Depreciation)	(152,179)	(36,538)
Net Decrease in Net Assets Resulting		
from Operations	(110,354)	(25,416)
Distributions from and/or in Excess of:		
Net Realized Gain	(8,035)	(37,518)
Total Distributions	(8,035)	(37,518)
Capital Share Transactions:		
Common Stock Issued Through Rights		
Offering (0 and 5,440,904 shares,		
net of expenses \$0 and \$5,585,000)		138,327
Reinvestment of Distributions (0 and		
117,847 shares)		3,407
Expenses Recouped/(Incurred) from the	(=0)	
2010 and 2009 Rights Offerings	(72)	14
Net Increase (Decrease) in Net Assets Resulting from Capital Share		
Transactions	(72)	141,748
Total Increase (Decrease)	(118,461)	78,814
Net Assets:	, ,	,
Beginning of Period	609,835	531,021
End of Period (Including Accumulated Net		
Investment Loss of \$(7) and \$(4))	\$ 491,374	\$ 609,835

December 31, 2011

Financial Highlights

Selected Per Share Data and Ratios

	Year Ended December 31,				
	2011	2010	2009	2008	2007
Net Asset Value, Beginning of Period	\$ 27.87	\$ 32.53	\$ 20.48	\$ 68.22	\$ 26.71
Net Investment	Φ 21.01	φ 32.33	φ 20.40	Φ 00.22	φ 20./1
Loss†	(0.30)	(0.21)	(0.17)	(0.10)	(0.31)
Net Realized and Unrealized Gain (Loss)	(4.74)	(1.74)	16.68	(41.78)	51.43
Total from Investment	(5.04)	(4.05)	10.51	(44.00)	54.40
Operations	(5.04)	(1.95)	16.51	(41.88)	51.12
Distributions from Net Investment	and/or in excess of	OT:			
Income				(0.16)	(0.16)
Net Realized				,	,
Gain	(0.37)	(1.72)	(4.26)	(5.70)	(9.45)
Total Distributions	(0.37)	(1.72)	(4.26)	(5.86)	(9.61)
Dilutive Effect of Shares Issued through Rights Offering and	• •	`	, ,	(0.00)	(0.0.7)
Offering Costs	‡	(0.99)	(0.20)		
Net Asset Value, End of Period	\$ 22.46	\$ 27.87	\$ 32.53	\$ 20.48	\$ 68.22
Per Share					
Market Value, End of Period	\$ 19.35	\$ 27.35	\$ 31.37	\$ 20.45	\$ 50.51
TOTAL INVESTM	ENT RETURN:				
Market Value	(27.94)%	(7.55)%	77.80%	(51.22)%	99.63%
Net Asset	(17.00\0/	(O 15\0/	04.000/	/ CO 07 \0/	010 000/
Value(1)	(17.63)%	(9.15)%	84.28%	(63.87)%	212.93%
RATIOS, SUPPLE	INICINIAL DATA:				

Net Assets,

End of Period

(Thousands)