Stocks-specific features

Feature	Acronym	Reference
		Jiang, Lee, and Zhang
Firm age	age	(2005)
		Ortiz-Molina and Phillips
Liquidity of book assets	aliq_at	(2014)
		Ortiz-Molina and Phillips
Liquidity of market assets	aliq_mat	(2014)
Amihud Measure	ami_126d	Amihud (2002)
Book leverage	at_be	Fama and French (1992)
		Cooper, Gulen, and Schill
Asset Growth	at_gr1	(2008)
Acceptants acceptant		F
Assets-to-market	at_me	Fama and French (1992)
Capital turnover	at_turnover	Haugen and Baker (1996)
Change in common equity		Richardson et al. (2005)
Change in Common equity	be_gr1a	Rosenberg, Reid, and
Book-to-market equity	be_me	Lanstein (1985)
Book-to-market equity	De_iiie	Lanstein (1905)
Market Beta	beta_60m	Fama and MacBeth (1973)
Dimson beta	beta_dimson_21d	Dimson (1979)
		Frazzini and Pedersen
Frazzini-Pedersen market beta	betabab_1260d	(2014)
Downside beta	betadown_252d	Ang, Chen, and Xing (2006)
		Penman, Richardson, and
Book-to-market enterprise value	bev_mev	Tuna (2007)
The high-low bid-ask spread	bidaskhl_21d	Corwin and Schultz (2012)
Abnormal corporate investment	capex_abn	Titman, Wei, and Xie (2004)
CAPEX growth (1 year)	capx_gr1	Xie (2001)
CAPEX growth (2 years)	capx_gr2	Anderson and Garcia-Feijoo (2006)
SALEX SIGNATIVE YOURS)	сирл_5/2	Anderson and Garcia-Feijoo
CAPEX growth (3 years)	capx_gr3	(2006)
Cash-to-assets	cash_at	Palazzo (2012)
	23384	Pontiff and Woodgate
Net stock issues	dcshso_12m	(2008)
Change in current operating assets	coa_gr1a	Richardson et al. (2005)
Change in current operating liabilities	col_gr1a	Richardson et al. (2005)
Cash-based operating profits-to-book assets	cop_at	Ball et al. (2016)
OF CONTRACTOR		Asness, Frazzini, Gormsen,
Market correlation	corr_1260d	Pedersen (2022)

Coskewness	coskew_21d	Harvey and Siddique (2000)
Change in current operating working capital	cowc_gr1a	Richardson et al. (2005)
		Bradshaw, Richardson, and
Net debt issuance	dbnetis_at	Sloan (2006)
		Lyandres, Sun, and Zhang
Growth in book debt (3 years)	debt_gr3	(2008)
Debt-to-market	debt_me	Bhandari (1988)
		Abarbanell and Bushee
Change gross margin minus change sales	dgp_dsale	(1998)
		Litzenberger and
Dividend yield	div12m_me	Ramaswamy (1979)
		Brennan, Chordia, and
Dollar trading volume	dolvol_126d	Subrahmanyam (1998)
		Chordia, Subrahmanyam,
Coefficient of variation for dollar trading volume	dolvol_var_126d	and Anshuman (2001)
		Abarbanell and Bushee
Change sales minus change inventory	dsale_dinv	(1998)
		Abarbanell and Bushee
Change sales minus change receivables	dsale_drec	(1998)
		Abarbanell and Bushee
Change sales minus change SG&A	dsale_dsga	(1998)
Earnings variability	earnings_variability	Francis et al. (2004)
Return on net operating assets	ebit_bev	Soliman (2008)
Profit margin	ebit_sale	Soliman (2008)
-		Loughran and Wellman
EBITDA-to-market enterprise value	ebitda_mev	(2011)
	_	Belo, Lin, and Bazdresch
Hiring rate	emp_gr1	(2014)
0	1-0	Dechow, Sloan, and
Equity duration	eq_dur	Soliman (2004)
	04_2	Bradshaw, Richardson, and
Net equity issuance	egnetis_at	Sloan (2006)
The toquity tooluuroo	54.15.15_4.1	(2000)
Net equity payout	eqnpo_12m	Daniel and Titman (2006)
Net payout yield	eqnpo_me	Boudoukh et al. (2007)
Payout yield	eqpo_me	Boudoukh et al. (2007)
Piotroski F-score	f_score	Piotroski (2000)
1 100 00M 1 300 10	1_30010	Lakonishok, Shleifer, and
Free cash flow-to-price	fcf_me	Vishny (1994)
Change in financial liabilities	fnl_gr1a	Richardson et al. (2005)
Gross profits-to-assets		Novy-Marx (2013)
	gp_at	Novy-Marx (2013)
Gross profits-to-lagged assets Intrinsic value-to-market	gp_atl1	` '
	intrinsic_value	Frankel and Lee (1998)
Inventory growth	inv_gr1	Belo and Lin (2011)
Inventory change	inv_gr1a	Thomas and Zhang (2002)

		Bali, Engle, and Murray
Idiosyncratic skewness from the CAPM	iskew_capm_21d	(2016)
idiosynorude skewness nom the ontil	iskew_capin_zia	Bali, Engle, and Murray
Idiosyncratic skewness from the Fama-French 3-factor model	iskew_ff3_21d	(2016)
idiosyneratic skewiess from the rama-richer s-ractor model	13KCW_113_21d	Ali, Hwang, and Trombley
Idiosyncratic skewness from the q-factor model	iskew_hxz4_21d	(2003)
Idiosyncratic skewness norm the q-ractor model Idiosyncratic volatility from the CAPM (21 days)	ivol_capm_21d	Ang et al. (2006)
Idiosyncratic volatility from the CAPM (252 days)	ivol_capm_252d	Ang et al. (2006)
Idiosyncratic volatility from the CAFF (232 days) Idiosyncratic volatility from the Fama-French 3-factor model	ivol_ff3_21d	Ang et al. (2006)
Idiosyliciatic votatitity from the Fama-French 3-factor model	1V01_113_21u	Ali, Hwang, and Trombley
Idiocynoratic volatility from the a factor model	ival byz4 01d	, <u> </u>
Idiosyncratic volatility from the q-factor model	ivol_hxz4_21d	(2003)
Vanlan Zingalaa inday	les in day	Lamont, Polk, and Saa-
Kaplan-Zingales index	kz_index	Requejo (2001)
	la a a studia	Fairfield, Whisenant, and
Change in long-term net operating assets	lnoa_gr1a	Yohn (2003)
Change in long-term investments	lti_gr1a	Richardson et al. (2005)
Market Equity	market_equity	Banz (1981)
		Stambaugh and Yuan
Mispricing factor: Management	mispricing_mgmt	(2016)
		Stambaugh and Yuan
Mispricing factor: Performance	mispricing_perf	(2016)
Change in noncurrent operating assets	ncoa_gr1a	Richardson et al. (2005)
Change in noncurrent operating liabilities	ncol_gr1a	Richardson et al. (2005)
		Penman, Richardson, and
Net debt-to-price	netdebt_me	Tuna (2007)
		Bradshaw, Richardson, and
Net total issuance	netis_at	Sloan (2006)
Change in net financial assets	nfna_gr1a	Richardson et al. (2005)
Earnings persistence	ni_ar1	Francis et al. (2004)
Return on equity	ni_be	Haugen and Baker (1996)
		Barth, Elliott, and Finn
Number of consecutive quarters with earnings increases	ni_inc8q	(1999)
Earnings volatility	ni_ivol	Francis et al. (2004)
Earnings-to-price	ni_me	Basu (1983)
		Balakrishnan, Bartov, and
Quarterly return on assets	niq_at	Faurel (2010)
Quarterly return on equity	niq_be	Hou, Xue, and Zhang (2015)
		Foster, Olsen, and Shevlin
Change in quarterly return on equity	niq_be_chg1	(1984)
Standardized earnings surprise	niq_su	Richardson et al. (2005)
Change in net noncurrent operating assets	nncoa_gr1a	Richardson et al. (2005)
Net operating assets	noa_at	Hirshleifer et al. (2004)
Change in net operating assets	noa_gr1a	Hirshleifer et al. (2004)
Ohlson O-score	o_score	Dichev (1998)
Operating accruals	oaccruals_at	Sloan (1996)
operating accidate	oucciuais_ai	5.0dii (1000)

		Hafzalla, Lundholm, and
Percent operating accruals	oaccruals_ni	Van Winkle (2011)
		Bouchard, Krüger, Landier,
Operating cash flow to assets	ocf_at	and Thesmar (2019)
		Bouchard, Krüger, Landier,
Change in operating cash flow to assets	ocf_at_chg1	and Thesmar (2019)
Asset tangibility	tangibility	Hahn and Lee (2009)
Tax expense surprise	tax_gr1a	Thomas and Zhang (2011)
		Datar, Naik, and Radcliffe
Share turnover	turnover_126d	(1998)
		Chordia, Subrahmanyam,
Coefficient of variation for share turnover	turnover_var_126d	and Anshuman (2001)
Altman Z-score	z_score	Dichev (1998)
Number of zero trades with turnover as tiebreaker (6 months)	zero_trades_126d	Liu (2006)
Number of zero trades with turnover as tiebreaker (1 month)	zero_trades_21d	Liu (2006)
Number of zero trades with turnover as tiebreaker (12 months)	zero_trades_252d	Liu (2006)