

附表 1 胶-辽-吉古元古代构造带岩浆-变质年代学数据

Appendix 1 Sum Mary of Mag Matic-metamorphic geochronological data for the Paleoproterozoic Jiao-Liao-Ji belt

序号	样品	产出层位 (岩体)	岩性	位置 (GPS)	测年方法	原岩年龄	变质年龄	参考文献
古元古代花岗岩质岩石								
1	QX16-1		二长花岗岩片麻岩	胶北马连庄顾家村	LA-ICP-MS	2095±12 Ma		刘建辉等 (2011)
2	JB13-1		二长花岗岩	胶北栖霞东北	LA-ICP-MS	2181±12 Ma		Liu Jianhui et al. (2014)
3	16LN23-1		中细粒二长花岗岩片麻岩	宽甸县大西岔镇明安村	LA-ICP-MS	2177±9 Ma		王祥俭等 (2017)
4	16LN13-1		中细粒条痕状二长花岗岩片麻岩	辽宁宽甸永甸镇碾子沟	LA-ICP-MS	2177±15 Ma		王祥俭等 (2017)
5	16LN18-1		正长花岗岩	宽甸县红石镇哈沟西	LA-ICP-MS	2332±100 Ma	1890±27 Ma	王祥俭等 (2017)
6	16KD02-1		条带状含磁铁黑云角闪二长花岗岩片麻岩	宽甸县红石镇东杨木杆村	LA-ICP-MS	2185±14 Ma	1781±48 Ma	Liu Jianhui et al. (2021)
7	16LN15-1		条痕状中细粒含磁铁矿角闪石二长花岗岩片麻岩	宽甸县红石镇蒲石河口	LA-ICP-MS	2175±8 Ma		Liu Jianhui et al. (2021)
8	16LN16-1		条痕状含磁铁矿角闪石二长花岗岩片麻岩	宽甸东南鸭绿江边	LA-ICP-MS	2170±6 Ma	1922±11 Ma	Liu Jianhui et al. (2021)
9	16LN21-1		条痕状含磁铁矿角闪石二长花岗岩片麻岩	宽甸县大岔镇宁江村	LA-ICP-MS	2186±11 Ma		Liu Jianhui et al. (2021)
10	18LN10-1		条痕状黑云母花岗岩片麻岩	宽甸县红石镇北	LA-ICP-MS	2155±50 Ma	1857±20 Ma	Liu Jianhui et al. (2021)
11	14LK22		二长花岗岩	山东胶莱盆地龙口矿区	SHRIMP	2110±4 Ma	1855±7 Ma	Cheng Shaobo et al.(2017)
12	10-23		二长花岗岩	乳山西涝口村	SHRIMP	2105±7 Ma	1841±7 Ma	Cheng Shaobo et al.(2017)
13	CY2-92		碱性长石花岗岩	山东昌邑	LA-ICPMS	2193±11 Ma		Lan Tingguang et al. (2015)
14	CY2-43		钠长石花岗岩	山东昌邑	LA-ICPMS	2171±10 Ma		Lan Tingguang et al. (2015)
15	LJ035	鸡冠山岩体	含磁铁矿二长花岗岩片麻岩	辽宁凤城	SHRIMP	2175±13 Ma		Li Sanzhong et al. (2007)
16	LJ010	老黑山岩体	含磁铁矿二长花岗岩片麻岩	辽宁太平哨	SHRIMP	2166±14 Ma		Li Sanzhong et al. (2007)
17	LJ056	马峰岩体	含磁铁矿二长花岗岩片麻岩	辽宁凤城	SHRIMP	2176±11 Ma		Li Sanzhong et al. (2007)
18	LJ040	大房身岩体	角闪二长花岗岩片麻岩	辽宁郑沟	SHRIMP	2143±17 Ma		Li Sanzhong et al. (2007)
19	LJ044	虎皮峪岩体	黑云母二长花岗岩片麻岩	辽宁哈达碑	SHRIMP	2150±17 Ma		Li Sanzhong et al. (2007)
20	LC1		二长花岗岩片麻岩	N 40°48'47", E 122°57'05"	LA-ICP-MS	2205±6 Ma		李超等 (2017)
21	LC26		二长花岗岩片麻岩	N 40°53'14", E 123°06'50"	LA-ICP-MS	2213±18 Ma		李超等 (2017)
22	LC110		二长花岗岩片麻岩	N 40°48'20", E 124°59'06"	LA-ICP-MS	2178±7 Ma		李超等 (2017)
23	LC126		二长花岗岩片麻岩	N 40°48'00", E 125°10'31"	LA-ICP-MS	2180±6 Ma		李超等 (2017)
24	TH		花岗岩	40°43'45" N, 123°37'54"E	LA-ICP-MS	2163±9 Ma		Li Jian et al. (2020)
25	18YK01-2	虎皮峪岩体	碱长花岗岩	40°27'08.8"N;122°49'55.7"E	LA-ICP-MS	2165±17 Ma		Liu Jin et al.(2020)

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26	18DD25-1	四门子岩体	碱长花岗岩	40°42'19.6"N;123°50'48.2"E	LA-ICP-MS	2163±8 Ma		Liu Jin et al.(2020)
27	18DD26-1	四门子岩体	碱长花岗岩	40°42'23.9"N;123°50'57.8"E	LA-ICP-MS	2178±7 Ma		Liu Jin et al.(2020)
28	18XY11-1	牧牛河岩体	黑云母角闪二长花岗岩	40°39'39.1"N;123°13'14.5"E	LA-ICP-MS	2168±30 Ma		Liu Jin et al.(2020)
29	18DD30-1	聂家隈子	黑云母二长花岗岩	40°35'20.9"N;123°29'57.4"E	LA-ICP-MS	2168±7 Ma		Liu Jin et al.(2020)
30	18XY13-1	龙家堡	含石榴子石二长花岗岩	40°39'57.2"N;123°15'42.3"E	LA-ICP-MS	2175±7 Ma		Liu Jin et al.(2020)
31	07SMS		钾长花岗岩	安徽明光	SHRIMP	2096±9 Ma		Wang Chengcheng et al.(2017)
32	1403FY13-5		花岗片麻岩	安徽凤阳	SHRIMP	2096±8 Ma	1848±7 Ma	Wang Chengcheng et al.(2017)
33	XHG-N2		片麻状二长花岗岩	123°19'37"E, 40°38'03"N	LA-ICP-MS	2171±4 Ma		Liu Jin. et al.(2018)
34	DHL-N1		片麻状二长花岗岩	123°24'13"E, 40°34'31"N	LA-ICP-MS	2185±6 Ma		Liu Jin. et al.(2018)
35	TH26-1		中粒角闪黑云斜长片麻岩	125°47'42.19"E, 41°29'19.16"N; 同化清河镇西北	LA-ICP-MS	2223±30 Ma		Meng En et al.(2017a)
36	TH48-2		中粒长英质片麻岩	125°57'21.93"E, 41°21'57.55"N; 同化清河镇西南	LA-ICP-MS	2170±14 Ma	1890±11 Ma	Meng En et al.(2017a)
37	TH59-1		中粒黑云斜长片麻岩	126°03'53.98"E, 41°17'22.25"N; 集安柳叶镇西	LA-ICP-MS	2173±10 Ma	1856±16 Ma	Meng En et al.(2017a)
38	TH53-3		中细粒黑云斜长片麻岩	126°06'04.53"E, 41°01'18.68"N; 集安榆林镇	LA-ICP-MS	2185±16 Ma		Meng En et al.(2017a)
39	DD06-1		角闪二长花岗岩	125°11'28"E, 40°44'47.3"N	LA-ICP-MS	2211±20 Ma	1926±20 Ma	Wang Chaoyang et al.(2018)
40	DD06-2		二长花岗片麻岩	125°11'28"E, 40°44'47.3"N	LA-ICP-MS	2177±8 Ma	1906±17 Ma	Wang Chaoyang et al.(2018)
41	JL45-1		含磁铁矿花岗片麻岩	122°51'38.18"E, 40°30'16.18"N	LA-ICP-MS	2170±14 Ma		Wang Chaoyang et al.(2018)
42	DZ12-1		黑云母二长花岗质片麻岩	124°06'19.9"E, 39°59'16.1"N	LA-ICP-MS	2187±14 Ma	1911±15 Ma	Wang Chaoyang et al.(2018)
43	DZ15-1		二长花岗片麻岩	124°09'19.5"E, 40°02'11.5"N	LA-ICP-MS	2177±30 Ma	1908±9 Ma	Wang Chaoyang et al.(2018)
44	187401	牧牛河岩体	正长花岗岩	40°40'51.58"N, 123°15'21.75"E	ID-TIMS	2180±6 Ma		Wang XinPing et al.(2020a)
45	187404	牧牛河岩体	花岗闪长岩	40°40'51.58"N, 123°15'21.75"E	ID-TIMS	2177±6 Ma		Wang XinPing et al.(2020a)
46	188001		花岗岩	36°59'0.11"N, 120°21'18.49"E	SHRIMP	2105±10 Ma		Wang XinPing et al.(2020a)
47	188101		花岗岩	37°6'24.41"N, 120°27'39.37"E	SHRIMP	2084±12 Ma		Wang XinPing et al.(2020a)
48	601SDG1		角闪二长花岗岩	40°49'36.31"N, 122°58'8.71"E	CAMECA	2181±6 Ma		Wang XinPing et al.(2017)
49	HXY-5		二长花岗岩	辽宁大石桥后仙峪	LA-ICP-MS	2166.4±8.4 Ma		Chen Jingsheng et al.(2021)
50	D058-4		含电气石云母花岗岩	辽宁岫岩韩家村	LA-ICP-MS	2150±12 Ma		Chen Jingsheng et al.(2021)
51	TWD15023		花岗岩	辽宁岫岩红旗营子	LA-ICP-MS	2035±35 Ma		Chen Jingsheng et al.(2021)
52	19LR50-1	旌旗山岩体	肉红色片麻状黑云二长花岗岩	41°21'48.204"N, 124°46'49.26"E	LA-ICP-MS	2088±10 Ma		Zhang Wen et al.(2022)

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53	19LR51-1	旌旗山岩体	肉红色片麻状黑云二长花岗岩	41°21'48.204"N, 124°46'49.26"E	LA-ICP-MS	2089±11 Ma		Zhang Wen et al.(2022)
54	D5591-1	旌旗山岩体	黑云角闪二长花岗岩	41°21'48.204"N, 124°46'49.26"E	LA-ICP-MS	2124±7 Ma		Zhang Wen et al.(2022)
55	NHP-11		片麻状花岗质岩石	40°27'45"N, 122°50'02"E	LA-ICP-MS	2180±14 Ma		Zhu Kai et al.(2019)
56	DD-1		片麻状花岗质岩石	40°42'17"N, 123°41'20"E	LA-ICP-MS	2173±11 Ma		Zhu Kai et al.(2019)
57	DTY-8		片麻状花岗质岩石	40°43'54"N, 123°44'17"E	LA-ICP-MS	2130±24 Ma	1921~1818 Ma	Zhu Kai et al.(2019)
58	Lu007	钱桌沟岩体	正长花岗岩	吉林通化	SHRIMP	2164±8 Ma		路孝平等 (2004a)
59	Lu1065	钱桌沟岩体	正长花岗岩	吉林通化	SHRIMP	2158±13 Ma		路孝平等 (2004a)
60	HPX1		花岗岩	122°55'27"E, 40°21'25"N	LA-ICP-MS	2215±3 Ma		陈斌等(2016)
61	TW12	四门子岩体	二长花岗岩	辽宁凤城青城子与刘家河之间	SHRIMP	2157±14 Ma		宋运红等 (2016)
62	T02-1	顾家堡岩体	正长花岗岩	辽宁凤城顾家堡子北	SHRIMP	2169±11 Ma		宋运红等 (2016)
63	BB8		钾长花岗岩	蚌埠庄子里村南部	LA-ICP-MS	2100±14 Ma		杨德彬等(2009)
64	BB13		钾长花岗岩	蚌埠石门镇北部	LA-ICP-MS	2196±190 Ma		杨红等(2017)
65	K86		花岗岩	辽宁宽甸	TIMS	2140±50 Ma		Sun Min et al. (1993)
66	Lu01065		正长花岗岩	吉林通化	SHRIMP	2158±13 Ma		路孝平等 (2004b)
67	FW01-327		电气石白云母花岗岩	N40°31'28", E122°47'54"	LA-ICPMS	2161±12 Ma		路孝平等 (2005)
68	Lu0007		正长花岗岩	吉林通化	SHRIMP	2164±8 Ma		路孝平等 (2004b)
69	D5132-B2		黑云母二长花岗岩	辽宁岫岩黄花甸	LA-ICPMS	2166±10 Ma		王鹏森等 (2017)
70	16XY016		二长花岗质片麻岩	N40°32'58.7", E123°15'40.7"	LA-ICPMS	2167±26 Ma	1883±10 Ma	Dong Yu et al.(2019)
71	HD-2		黑云母二长花岗质片麻岩	辽宁哈达碑	LA-ICPMS	2173±20 Ma		杨明春等 (2015)
72	LD9822		黑云母花岗岩	辽宁大石桥	SHRIMP	2173±4 Ma		Wan Yusheng et al. (2006)
73	D3208-B1		黑云母二长花岗岩	辽宁岫岩黄花甸	LA-ICPMS	2183±13 Ma		王鹏森等 (2017)
74	D1001-B1		黑云母二长花岗岩	辽宁岫岩黄花甸	LA-ICPMS	2185±29 Ma		王鹏森等 (2017)
75	SM-1		角闪二长花岗岩	辽宁四门子	LA-ICPMS	2205±2 Ma		杨明春等 (2015)
76	JB09-1		含黑云母正长花岗岩	胶北蓬莱庄	LA-ICP-MS	1801±21 Ma		Liu Jianhui et al. (2014)
77	SC-1	双岔岩体	巨斑状花岗岩	集安双岔镇	LA-ICP-MS	1890±21 Ma		杨明春等 (2015)
78	DDZ		黑云母花岗岩	40°42'40" N, 123°40'19"E	LA-ICP-MS	1854±21 Ma		Li Jian et al. (2020)
79	JN1		含石榴子石似斑状花岗岩	吉南十二道沟-十三道沟	LA-ICP-MS	1868±9 Ma,	1848±13 Ma	Liu Fulai et al.(2017)
80	JN3		含石榴子石似斑状花岗岩	吉南十二道沟-十三道沟	LA-ICP-MS	1872±6 Ma,	1851±14 Ma	Liu Fulai et al.(2017)
81	JN7		含石榴子石似斑状花岗岩	吉南十二道沟-十三道沟	LA-ICP-MS	1871±7 Ma,	1850±12 Ma	Liu Fulai et al.(2017)
82	LN3		含石榴子石似斑状花岗岩	辽南永甸-凤城地区	LA-ICP-MS	1872±8 Ma,	1851±12 Ma	Liu Fulai et al.(2017)

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83	LN6		含石榴子石似斑状花岗岩	辽南永甸-凤城地区	LA-ICP-MS	1870±7 Ma		Liu Fulai et al.(2017)
84	JB2		含石榴子石似斑状花岗岩	胶北桃村-莱阳地区	LA-ICP-MS	1866±7 Ma,	1842±10 Ma	Liu Fulai et al.(2017)
85	JB4		含石榴子石似斑状花岗岩	胶北桃村-莱阳地区	LA-ICP-MS	1871±7 Ma,	1851±11 Ma	Liu Fulai et al.(2017)
86	JN2		含黑云母似斑状花岗岩	吉南十一道沟-十二道沟	LA-ICP-MS	1868±6 Ma,,	1849±13 Ma	Liu Fulai et al.(2017)
87	JN4		含黑云母似斑状花岗岩	吉南十一道沟-十二道沟	LA-ICP-MS	1872±7 Ma,	1849±9 Ma	Liu Fulai et al.(2017)
88	JN6		含黑云母似斑状花岗岩	吉南十一道沟-十二道沟	LA-ICP-MS	1865±7 Ma,	1849±9 Ma	Liu Fulai et al.(2017)
89	JN8		含黑云母似斑状花岗岩	吉南十一道沟-十二道沟	LA-ICP-MS	1872±7 Ma,	1850±13 Ma	Liu Fulai et al.(2017)
90	LN1		含黑云母似斑状花岗岩	辽南太平哨-宽甸地区	LA-ICP-MS	1867±10 Ma,	1842±12 Ma	Liu Fulai et al.(2017)
91	LN4		含黑云母似斑状花岗岩	辽南太平哨-宽甸地区	LA-ICP-MS	1865±6 Ma,	1849±8 Ma	Liu Fulai et al.(2017)
92	LN5		含黑云母似斑状花岗岩	辽南太平哨-宽甸地区	LA-ICP-MS	1864±8 Ma,	1844 ±9 Ma	Liu Fulai et al.(2017)
93	JB3		含黑云母似斑状花岗岩	胶北栖霞	LA-ICP-MS	1872±8 Ma,	1848±7 Ma	Liu Fulai et al.(2017)
94	JN5		肉红色似斑状钾长花岗岩	吉南十一道沟	LA-ICP-MS	1868±7 Ma,	1849±8 Ma	Liu Fulai et al.(2017)
95	LN2		肉红色似斑状钾长花岗岩	辽南太平哨	LA-ICP-MS	1866±6 Ma,	1846±13 Ma	Liu Fulai et al.(2017)
96	JB1		肉红色似斑状钾长花岗岩	胶北烟台西南	LA-ICP-MS	1868±6 Ma,	1848±14 Ma	Liu Fulai et al.(2017)
97	TC02		淡色花岗岩	胶北回里镇	MC-TIMS	1864.5±6.1 Ma		Li Youlian et al.(2017)
98	TC15		淡色花岗岩	胶北回里镇	MC-TIMS	1863.7±4.7 Ma		Li Youlian et al.(2017)
99	TC21		淡色花岗岩	胶北回里镇	MC-TIMS	1865.7±7.7 Ma		Li Youlian et al.(2017)
100	18YK09-1	松树沟岩体	黑云母二长花岗岩	40°28'14.1"N;122°55'46.9"E	LA-ICP-MS	1946±29	1854±30	Liu Jin et al.(2021)
101	18DD27-1	房家围子岩体	黑云母二长花岗岩	N40°44'14.0"; E123°45'13.0"	LA-ICP-MS	1883±14		Liu Jin et al.(2021)
102	18DD29-1	青城子岩体	黑云母二长花岗岩	N40°42'23.7"; E123°41'44.9"	LA-ICP-MS	1879±12		Liu Jin et al.(2021)
103	18DD05-1	十字街岩体	二云母二长花岗岩	N40°02'12.0"; E124°09'24.2"	LA-ICP-MS	1875±29		Liu Jin et al.(2021)
104	719FSG1		黑云母斜长花岗岩	40°42'17.43"N, 123°41'23.18"E	CAMECA	1891±10 Ma		Wang XinPing et al.(2017)
105	16L17		斜长花岗岩	辽宁高丽墩台	LA-ICP-MS	1802±10 Ma		Mu Maosong et al.(2022)
106	16L19		斜长花岗岩	辽宁高丽墩台	LA-ICP-MS	1828±18 Ma		Mu Maosong et al.(2022)
107	16L13		斜长花岗岩	辽宁高丽墩台	LA-ICP-MS	1853±11 Ma		Mu Maosong et al.(2022)
108	D1475-2		片麻状二长花岗岩	辽宁宽甸	LA-ICP-MS	1927±27 Ma		Chen Jingsheng et al.(2021)
109	HK-2		花岗岩	辽宁丹东河口	LA-ICP-MS	1876.1±7.2 Ma		Chen Jingsheng et al.(2021)
110	D017-2		巨斑状黑云二长花岗岩	辽宁宽甸彭海东	LA-ICP-MS	1839.9±8.3 Ma		Chen Jingsheng et al.(2021)

序号	样品	产出层位 (岩体)	岩性	位置 (GPS)	测年方法	原岩年龄	变质年龄	参考文献
111	HK-1		片麻状二长花岗岩	辽宁丹东河口	LA-ICP-MS	1867.4±4.8 Ma		Chen Jingsheng et al.(2021)
112	TWD15016		中细粒花岗岩	辽宁岫岩三家子	LA-ICP-MS	1962±35 Ma		Chen Jingsheng et al.(2021)
113	D1455-1		中粗粒花岗岩闪长岩	辽宁宽甸太平哨东	LA-ICP-MS	1673.9±5.0 Ma		Chen Jingsheng et al.(2021)
114	TWD15018-2		花岗糜棱岩	辽宁岫岩三家子	LA-ICP-MS	1810±14 Ma		Chen Jingsheng et al.(2021)
115	D1420-1		红柱石砂线石石榴子石黑云母斜长片麻岩	辽阳吉洞峪	LA-ICP-MS	1954±19 Ma		Chen Jingsheng et al.(2021)
116	D14121-1		红柱石砂线石石榴子石黑云母斜长片麻岩	辽阳吉洞峪	LA-ICP-MS	1961±32 Ma		Chen Jingsheng et al.(2021)
117	D14123-1		红柱石砂线石石榴子石黑云母斜长片麻岩	辽阳吉洞峪	LA-ICP-MS	1874±16 Ma	1691±41 Ma	Chen Jingsheng et al.(2021)
118	15NK-45		花岗岩	朝鲜东北	Cameca-SIMS	1856±7 Ma		Zhang Xiaohui et al.(2021)
119	15NK-49		英云闪长岩	朝鲜东北	Cameca-SIMS	1851±7 Ma		Zhang Xiaohui et al.(2021)
120	CY-1	财源镇花岗岩	二长花岗岩岩	41°20'28"N,125°42'12"E	LA-ICP-MS	1881±31 Ma		Zhao Yan et al.(2021)
121	CY-2		石英闪长岩	41°21'49"N,125°41'03"E	LA-ICP-MS	1889±19 Ma		Zhao Yan et al.(2021)
122	SP-1		巨斑状花岗岩	41°14'42"N,125°42'56"E	LA-ICP-MS	1877±11 Ma		Zhao Yan et al.(2021)
123	SP-2		巨斑状花岗岩	41°14'58"N,125°43'19"E	LA-ICP-MS	1881±11 Ma		Zhao Yan et al.(2021)
124	WF-1	瓦房岩体	似斑状黑云母二长花岗岩	40°00'48"N,124°8'48"E	LA-ICP-MS	1887±11 Ma		Zhao Yan et al.(2021)
125	XJP-1		似斑状黑云母二长花岗岩	40°01'32"N,124°08'06"E	LA-ICP-MS	1885±9.7 Ma		Zhao Yan et al.(2021)
126	TW13	大顶子岩体	二长花岗岩	辽宁凤城青城子东	SHRIMP	1869±16 Ma,		宋运红等 (2016)
127	TW11	五雷山岩体	花岗岩	辽宁三家子西北部	SHRIMP	1830.5±5.9 Ma		宋运红等 (2016)
128	92015	双岔岩体	花岗岩	N:41°14'03",E:125°52'21"	SHRIMP	1872±7 Ma		路孝平等 (2004a)
129	Lu010-1	卢家堡子岩体	花岗岩	N:41°06'19",E:125°06'49"	SHRIMP	1841±12 Ma		路孝平等 (2004a)
130	12082	双岔岩体	花岗岩	N:41°11'14",E:125°51'40"	SHRIMP	1876±13 Ma		路孝平等 (2004a)
131	12072	清河岩体	石英闪长岩	N:41°28'24",E:125°52'54"	SHRIMP	1877±11 Ma		路孝平等 (2004a)
132	16KD05-4		含电气石伟晶岩	40°38'16.50"N,125°07'20.50"E	LA-ICP-MS	1842±7 Ma		杨红等(2017)
133	16KD06-1		花岗伟晶岩	40°38'00.96"N,125°07'42.60"E	LA-ICP-MS	1864±8 Ma		杨红等(2017)
134	16KD54-2		含电气石伟晶岩	40°44'22.35"N,123°15'32.30"E	LA-ICP-MS	1869±22 Ma		杨红等(2017)
135	16KD66-1		含电气石伟晶岩	40°51'10.46"N,123°19'27.70"E	LA-ICP-MS	1802±15 Ma		杨红等(2017)
136	16KD80-2		含电气石伟晶岩	40°45'54.80"N,123°21'09.00"E	LA-ICP-MS	1740±8 Ma		杨红等(2017)
137	16SJZ07-8		花岗伟晶岩	40°42'06.07"N,123°13'29.82"E	LA-ICP-MS	1871±7 Ma		杨红等(2017)
138	FW01-31		角闪辉石正长岩	N40°10'04", E122°39'28"	LA-ICPMS	1843±23 Ma		路孝平等 (2005)

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139	FW02-62		黑云母二长花岗岩	N40°19'21", E122°47'57"	LA-ICPMS	1848±10 Ma		路孝平等 (2005)
140		梁屯-矿洞沟碱性正长岩体	碱性正长岩	辽宁盖县东南 30 公里处		1857±20 Ma		蔡剑辉等 (2002)
141	LJ005		似斑状花岗岩	辽宁桓仁	SHRIMP	1856±31 Ma		Li Sanzhong et al. (2007)
142	03JH082		闪长岩	辽宁盖县	LA-ICPMS	1870±18 Ma		杨进辉等 (2007)
143	10JL13		花岗伟晶岩	N40°51'58.5", E123°24'43"	SHRIMP	1870±8 Ma		王惠初等 (2011)
144	03JH080		正长岩	辽宁盖县	LA-ICPMS	1874±18 Ma		杨进辉等 (2007)
145	LJ006		似斑状花岗岩	辽宁桓仁	SHRIMP	1875±10 Ma		Li Sanzhong et al. (2007)
146	03JH079		正长岩	辽宁盖县	LA-ICPMS	1879±17 Ma		杨进辉等 (2007)
(变质) 基性岩墙								
1	D1009-5		变质辉绿岩	N40°55'01", E123°25'59"	LA-ICPMS	2100±12 Ma	1957±29 Ma	Xu Wang et al. (2018b)
2	D1009-7		变质辉绿岩	N40°54'48", E123°25'44"	LA-ICPMS	2110±23 Ma		Xu Wang et al. (2018b)
3	A1102		变质辉长岩	辽宁鞍山-弓长岭	SHRIMP	2110±30 Ma		董春艳等 (2012)
4	598XLLZ2		辉长岩	N41°01'07", E123°14'02"	SIMS	2115±13 Ma		Wang Xinping et al. (2016)
5	598XLLZ2		辉长岩	N41°01'07", E123°14'02"	SIMS	2115±3 Ma (斜锆石)		Wang Xinping et al. (2016)
6	SJZ11-1		斜长角闪岩	N40°43'02.5", E123°16'36.1"	LA-ICPMS	2119±19 Ma		Xu Wang et al. (2018a)
7	D9001-1		变质辉长岩	N40°51'10.0", E123°16'28.0"	LA-ICPMS	2119±6 Ma	1858±21 Ma	Xu Wang et al. (2018a)
8	YK12-1-4		变质辉绿岩	辽宁海城	SIMS	2125±6 Ma		Yuan Lingling et al. (2015)
9	D1002-2		变质辉绿岩	N40°55'19", E123°26'43"	LA-ICPMS	2133±14 Ma		Xu Wang et al. (2018b)
10	DZ74-1		变质辉长岩	N40°56'24.6", E123°11'57.4"	LA-ICPMS	2144±16 Ma		Meng En et al. (2014)
11	DZ85-1		变质辉长岩	N40°55'03.8", E123°33'19.2"	LA-ICPMS	2157±17 Ma	1899±26 Ma	Meng En et al. (2014)
12	DZ73-1		变质辉长岩	N41°01'53.4", E123°21'12.4"	LA-ICPMS	2159±12 Ma	1900±17 Ma	Meng En et al. (2014)
13	DZ91-1		变质辉绿岩	N40°48'14.1", E122°55'47.4"	LA-ICPMS	2161±12 Ma		Meng En et al. (2014)
14	DZ78-1		斜长角闪岩	N40°53'40.2", E123°25'40.6"	LA-ICPMS	2161±45 Ma		Meng En et al. (2014)
15	D5048-4		变质辉绿岩	N40°58'22", E123°21'28"	LA-ICPMS	2164±6 Ma		Xu Wang et al. (2018b)
16	16KD68-1		变质辉长岩	N40°51'26.4", E123°18'38.7"	LA-ICPMS	2188±9 Ma		Xu Wang et al. (2018a)
17	D2050-1		斜长角闪岩	N40°51'15", E123°22'38"	LA-ICPMS		1886±8 Ma	Xu Wang et al. (2018b)
18	D3038-2		斜长角闪岩	N40°54'03", E123°25'07"	LA-ICPMS		1850±13 Ma	Xu Wang et al. (2018b)
19	P12-10-1b		斜长角闪岩	N40°53'47", E123°23'22"	LA-ICPMS		1880±14 Ma	Xu Wang et al. (2018b)
20	SJZ07-5		斜长角闪岩	N40°42'06.0", E123°13'29.8"	LA-ICPMS		1899±18 Ma	Xu Wang et al. (2018a)

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21	LH05-012-1	里尔峪组	片理化白云母斜长角闪岩	辽宁马峰镇东南	LA-ICP-MS		1824±19 Ma	Hoernle et al.(2020)
22	LH05-012-2	里尔峪组	富直闪石岩	辽宁马峰镇东南	LA-ICP-MS		1824±19 Ma	Hoernle et al.(2020)
23	LH05-014-7	大石桥组	斜长角闪岩	华子峪矿床采场	LA-ICP-MS		1824±19 Ma	Hoernle et al.(2020)
24	LH05-016-1	高家峪组	变质辉长岩	辽宁王家坎水库	LA-ICP-MS		1824±19 Ma	Hoernle et al.(2020)
25	LH05-026-1	里尔峪组	斜长角闪岩	宽甸毛家店二道岗子	LA-ICP-MS		1824±19 Ma	Hoernle et al.(2020)
26	LH05-034-1	浪子山组	角闪石岩	辽宁连山关东公路边	LA-ICP-MS		1824±19 Ma	Hoernle et al.(2020)
27	LH05-035-4	大石桥组	角闪石岩	辽阳水泉镇东	LA-ICP-MS		1824±19 Ma	Hoernle et al.(2020)
28	LH05-037-5	大石桥组	角闪石岩	辽阳河栏镇	LA-ICP-MS		1824±19 Ma	Hoernle et al.(2020)
29	LH05-038-1	大石桥组	斜长角闪岩	辽阳河栏镇	LA-ICP-MS		1824±19 Ma	Hoernle et al.(2020)
30	LH05-040-1	大石桥组	斜长角闪岩	辽阳蒲石河	LA-ICP-MS		1824±19 Ma	Hoernle et al.(2020)
31	187801		斜长角闪岩	37°5'12.15"N, 120°38'1.10"E	SHRIMP		1847±6 Ma	Wang Xiping et al.(2020b)
32	187804		斜长角闪岩	37°5'12.15"N, 120°38'1.10"E	SHRIMP		1852±2 Ma	Wang Xiping et al.(2020b)
33	TWD15003		变质辉长岩	辽阳河栏峪	LA-ICP-MS	2010±27 Ma		Chen Jingsheng et al.(2023)
34	HP-9		基性岩	辽宁虎皮峪	LA-ICPMS	2157±11 Ma	1907±15 Ma	杨明春等 (2015)
35	LZ08-1	里尔峪组	变质玄武岩	N40°32'24", E122°43'45"	LA-ICPMS		1898±6 Ma	Li Zhuang et al. (2014)
36	16LN15-2		斜长角闪岩	宽甸县红石镇蒲石河河口	LA-ICP-MS		1868±7 Ma	Liu Jianhui et al. (2021)
37	16LN16-2		斜长角闪岩	宽甸东南鸭绿江边	LA-ICP-MS		1869±5 Ma	Liu Jianhui et al. (2021)
38	TH48-1		斜长角闪岩	125°57'21.93"E, 41°21'57.55"N; 同化清河镇南	LA-ICP-MS		1904±8 Ma	Meng En et al.(2017b)
39	15NK-51		变辉长闪长岩	朝鲜东北	Cameca-SIMS	1839±6 Ma		Zhang Xiaohui et al.(2021)
40	15NK-41		变质辉长岩	朝鲜东北	Cameca-SIMS	1828±5 Ma		Zhang Xiaohui et al.(2021)
41	TWD15008		变质辉绿岩	本溪五峰观	LA-ICP-MS	1830±66 Ma,		Chen Jingsheng et al.(2023)

变质火山岩

1	TWD15001	里尔峪组	硅质变质火山岩	40°58'43.3"N, 123°39'09.2"E	LA-ICP-MS	2179±20 Ma		Bi Jun-Hui et al.(2018a)
2	TWD15002	里尔峪组	硅质变质火山岩	40°58'18.3"N, 123°39'39.4"E	LA-ICP-MS	2127±25 Ma		Bi Jun-Hui et al.(2018a)
3	TWD15056	高家峪组	硅质变质火山岩	40°59'09.7"N, 123°36'41.4"E	LA-ICP-MS	2184±11 Ma		Bi Jun-Hui et al.(2018a)
4	LH05-011-1	里尔峪组	变形斜长角闪岩	辽宁小弩寨镇	LA-ICP-MS		1824±19 Ma	Hoernle et al.(2020)
5	TWD15026-2	大石桥组	变质英安岩	N40°32'41.0", E123°15'47.0"	LA-ICPMS	2137±9 Ma		Dong Yu et al.(2019)

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6	TWD15026-1	大石桥组	变质英安岩	N40°32'41.0", E123°15'47.0"	LA-ICPMS	2166±17 Ma		Dong Yu et al.(2019)
7	16XY014	大石桥组	变质英安岩	N40°32'46.9", E123°15'59.5"	LA-ICPMS	2170±11 Ma		Dong Yu et al.(2019)
8	16XY003	大石桥组	变质安山岩	N40°32'47.6", E123°16'08.5"	LA-ICPMS	2170±29 Ma	1866±9 Ma	Dong Yu et al.(2019)
9	14GW580	大石桥组	流纹质角砾凝灰岩	辽阳华严寺	LA-ICPMS	2171±11 Ma		陈井胜等, (2017)
10	TWD15013	盖县组	变质酸性火山岩	N40°58'35.95", E123°22'39.73"	LA-ICPMS	2153±11 Ma		毕君辉等 (2018)
11	D1442-1	盖县组	流纹质角砾凝灰岩	N40°58'19.59", E123°10'07.71"	LA-ICPMS	2180±12 Ma		陈井胜等, (2017)
12	14112-1	里尔峪组	流纹岩	N40°59'13.64", E123°35'42.98"	LA-ICPMS	2098±26 Ma		陈井胜等, (2017)
13	LD0106-1	里尔峪组	细粒黑云母片麻岩	辽宁大石桥	SHRIMP	2179±8 Ma		陈井胜等, (2017)
14	14GW585	里尔峪组	流纹岩	N40°53'59.89", E123°13'47.00"	LA-ICPMS	2185±16 Ma		陈井胜等, (2017)
15	D1444-2	里尔峪组	流纹岩	N40°57'59.89", E123°12'47.00"	LA-ICPMS	2190±11 Ma		Wan Yusheng et al. (2006)
16	02L098-1	浪子山组	含石墨云母片岩	N40°45'28", E122°44'33"	LA-ICPMS	2078±43 Ma		Luo Yan et al. (2004)
17	02L095-2	浪子山组	泥质片岩	N40°51'46", E122°55'51"	LA-ICPMS		1929±38 Ma	Luo Yan et al. (2004)
18	LD9815	浪子山组	黑云斜长片麻岩	辽宁大石桥	SHRIMP		1863±13 Ma	Wan Yusheng et al. (2006)
19	DZ38-2	盖县组	斜长角闪岩	辽宁凤城	LA-ICPMS		1892±11 Ma	Meng En et al. (2017b)
20	LZ12	里尔峪组	变质玄武岩	N40°32'24", E122°43'45"	LA-ICPMS		1876±12 Ma	李壮等 (2015)
21	D1002-B1	里尔峪组	斜长角闪岩	岫岩黄花甸	LA-ICPMS	1995±13 Ma		高铂森等 (2017)
22	D4034-B1	里尔峪组	斜长角闪岩	岫岩黄花甸	LA-ICPMS	2150±21 Ma	1879±11 Ma	高铂森等 (2017)
23	LZ19-1	里尔峪组	细粒片麻岩	N40°32'24", E122°43'45"	LA-ICPMS	2158±22 Ma		Li Zhuang et al. (2014)
24	DZ40-2	里尔峪组	斜长角闪岩	辽宁凤城	LA-ICPMS	2159±28 Ma	1936±38 Ma	Meng En et al. (2017b)
25	N02	里尔峪组	电气石岩	辽宁大石桥	SHRIMP	2171±6 Ma	1889±62 Ma	张艳飞等 (2010)
26	N14	里尔峪组	电气石岩	辽宁大石桥	SHRIMP	2171±9 Ma		张艳飞等 (2010)
27	LZ04-1	里尔峪组	细粒片麻岩	N40°32'24", E122°43'45"	LA-ICPMS	2172±8 Ma	1919±13 Ma	Li Zhuang et al. (2014)
28	N13	里尔峪组	电气石岩	辽宁大石桥	SHRIMP	2175±5 Ma	1904±4 Ma	张艳飞等 (2010)
29	JL29-1	里尔峪组	黑云斜长片麻岩	辽宁凤城	LA-ICPMS	2176±22 Ma		Meng En et al. (2017b)
30	LZ02-1	里尔峪组	细粒片麻岩	N40°32'24", E122°43'45"	LA-ICPMS	2189±13 Ma		Li Zhuang et al. (2014)
31	HX-35	里尔峪组	变质安山岩	N40°21'25", E122°55'27"	LA-ICPMS	2195±6 Ma		李壮等 (2015)
32	HX-33	里尔峪组	变质安山岩	N40°21'25", E122°55'27"	LA-ICPMS	2199±6 Ma		李壮等 (2015)
33	LZ3	里尔峪组	变质流纹岩	N40°32'24", E122°43'45"	LA-ICPMS	2201±5 Ma		李壮等 (2015)
34	HX-38	里尔峪组	变质英安岩	N40°21'25", E122°55'27"	LA-ICPMS	2205±2 Ma		李壮等 (2015)
35	HX-37	里尔峪组	变质英安岩	N40°21'25", E122°55'27"	LA-ICPMS	2206±1 Ma		李壮等 (2015)

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36	JL40-2	里尔峪组	黑云变粒岩	辽宁凤城	LA-ICPMS	2209±21 Ma		Meng En et al. (2017b)
37	DHL-N2	里尔峪组	细粒含电气石石英岩	123°24'00"E, 40°34'37"N	LA-ICP-MS	2181±2 Ma		Liu Jin et al. (2018)
38	FF-N1	高家峪组	细粒透辉石片麻岩	123°16'06"E, 40°36'27"N	LA-ICP-MS		1864±10 Ma	Liu Jin et al. (2018)
39	HX33		变质安山岩	122 55 27"E,40 '21 25"N	LA-ICP-MS	2200±8 Ma		陈斌等(2016)

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