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ZHANG Chuan- lin¹, YE Xian- tao¹, LI Huai- kun²

1. 210016
2. 300170
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U - Pb 630.1±1.3Ma U - Pb 630.6±1.3Ma Hf 650-615Ma 2
Rodinia

P534.3 P597.1

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cal Bulletin of China, 2014, 33(5):6

Abstract: Zircon U - Pb dating
Tarim block crystallized at 630
mainly derived from partial m
Based on a comprehensive an
rocks in Quruqtagh were th
ia supercontinent, i.e., th
quences in Quruqtagh e
had never incorporated
Key words: Tarim; M
garnets zircon



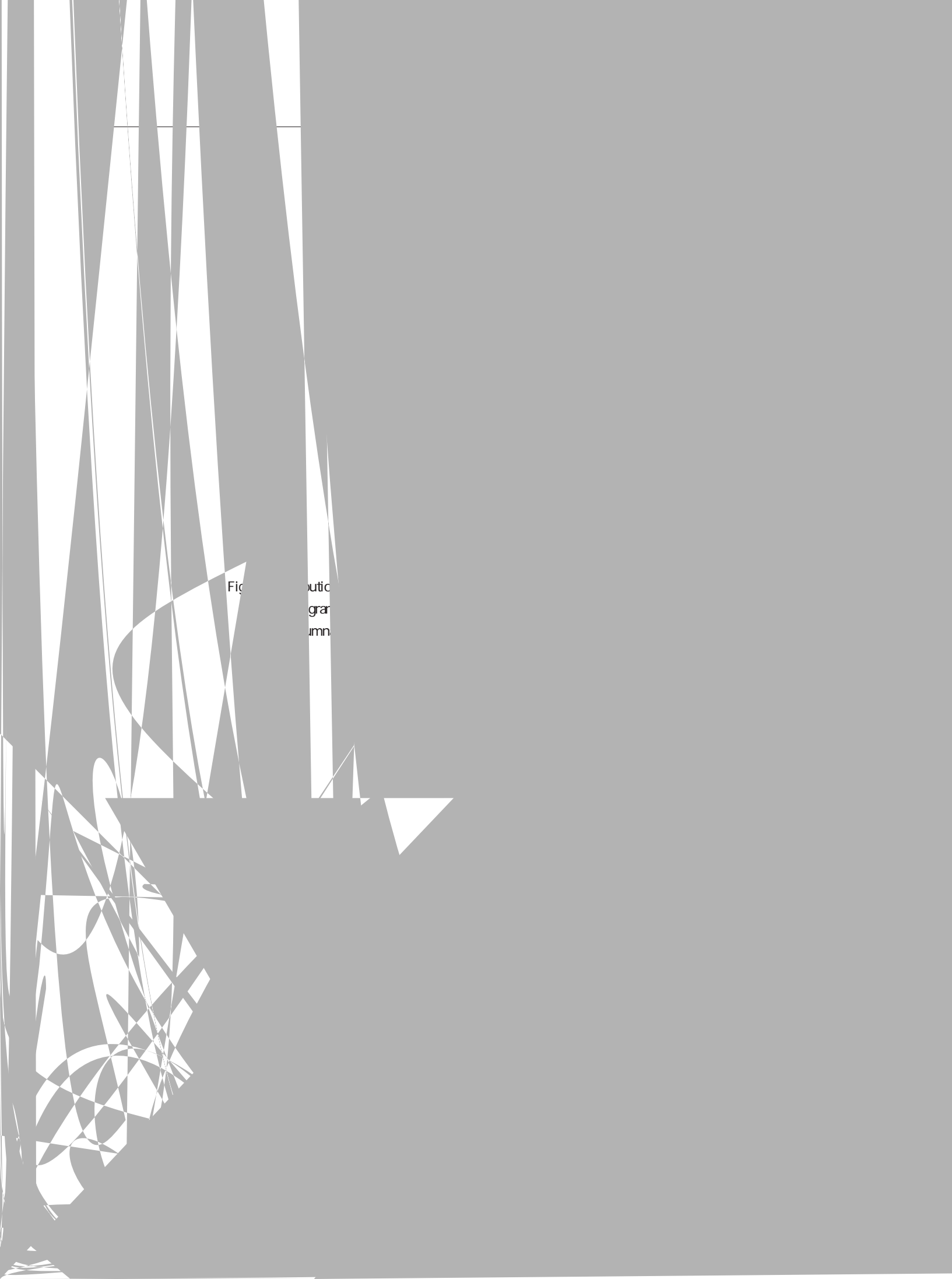


Fig. 1. Schematic diagram of the column.



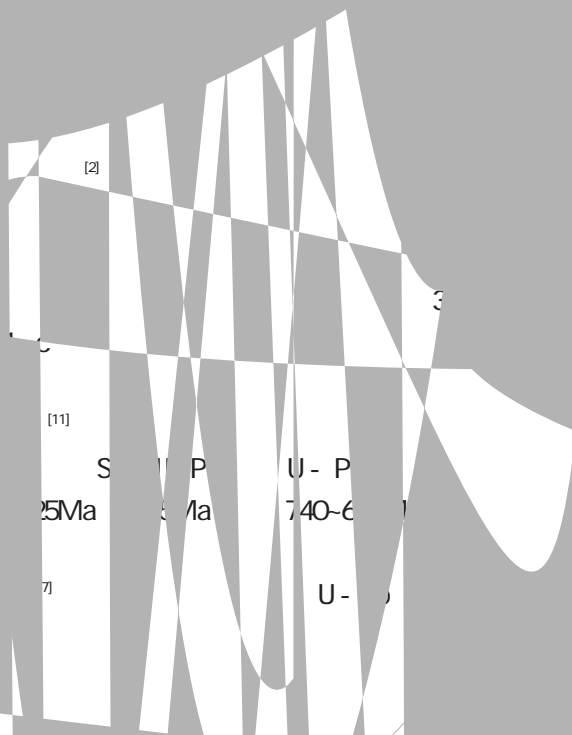
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Table 2 Hf isotopic composition of Neoproterozoic K-feldspar
granite and granodiorite in Quruqtao area

	$^{177}\text{Yb}/^{177}\text{Hf}$	$^{176}\text{Lu}/^{177}\text{Hf}$	$^{176}\text{Hf}/^{177}\text{Hf}$	$\epsilon_{\text{Hf}}(t)$	$^{176}\text{Hf}/^{177}\text{Hf}_i$	$t(\text{Ma})$	$\text{Hf}(\text{ppm})$	D_{M}/Ma	$D_{\text{DM}}^{\text{c}}/\text{Ma}$	Lu/Hf
2009KR15										
1	0.0815	0.0000	0.282228	0.000021	0.282205	-19.4	-6.2	1484	2509	-0.94
2	0.0501	0.0000	0.282277	0.000020	0.282258	-17.7	-4.3	1398	2340	-0.95
3	0.0418	0.0000	0.282220	0.000016	0.282204	-19.4	-6.2	1470	2511	-0.96
4	0.0381	0.0000	0.282238	0.000016	0.282223	-18.8	-5.5	1440	2450	-0.96
5	0.0468	0.0000	0.282247	0.000017	0.282230	-18.8	-5.3	1436	2430	-0.96
6	0.0542	0.0000	0.282223	0.000014	0.282200	-19.4	-6.4	1490	2524	-0.94
7	0.0690	0.0000	0.282213	0.000022	0.282188	-19.4	-6.8	1511	2561	-0.94
8	0.0350	0.0000	0.282235	0.000018	0.282222	-19.4	-5.6	1439	2454	-0.97
9	0.0501	0.0004	0.282230	0.000019	0.282213	-19.4	-5.9	1460	2484	-0.96
10	0.0341	0.0000	0.282259	0.000020	0.282248	-18.8	-4.7	1402	2374	-0.97
11	0.0551	0.0017	0.282279	0.000020	0.282259	-17.7	-4.3	1400	2337	-0.95
12	0.0371	0.0011	0.282253	0.000020	0.282241	-18.8	-4.9	1413	2396	-0.97
13	0.0641	0.0008	0.282205	0.000021	0.282184	-20.0	-6.9	1509	2574	-0.95
14	0.0261	0.0003	0.282218	0.000018	0.282209	-19.4	-6.0	1450	2494	-0.98
15	0.0781	0.0000	0.282275	0.000020	0.282248	-17.7	-4.7	1427	2372	-0.95
16	0.0441	0.0000	0.282268	0.000019	0.282257	-17.7	-4.4	1389	2345	-0.96
17	0.0661	0.0000	0.282180	0.000013	0.282162	-20.0	-7.7	1533	2640	-0.95
18	0.0401	0.0000	0.282240	0.000017	0.282228	-18.8	-5.4	1430	2370	-0.97
19	0.0611	0.0000	0.282229	0.000021	0.282210	-19.4	-6.0	1468	2460	-0.96
20	0.0451	0.0000	0.282243	0.000021	0.282229	-18.8	-5.3	1427	2370	-0.96
21	0.0611	0.0000	0.282252	0.000021	0.282237	-18.8	-5.0	1427	2370	-0.96
22	0.0971	0.0000	0.282187	0.000021	0.282129	-20.0	-8.9	1577	2785	-0.95
23	0.0501	0.0000	0.282275	0.000021	0.282260	-17.7	-4.7	1427	2372	-0.96
24	0.0511	0.0000	0.282247	0.000020	0.282232	-18.8	-5.2	1427	2372	-0.96
2009KR20										
1	0.0115	0.0000	0.282279	0.000021	0.282242	-17.4	-4.7	1397	2392	-0.91
2	0.0189	0.0000	0.282270	0.000016	0.282260	-17.7	-4.7	1397	2333	-0.97
3	0.0189	0.0000	0.282263	0.000019	0.282257	-18.0	-5.0	1463	2426	-0.92
4	0.0214	0.0000	0.282263	0.000015	0.282257	-18.0	-5.0	1391	2357	-0.97
5	0.0319	0.0000	0.282236	0.000016	0.282227	-17.2	-4.7	1364	2289	-0.97
6	0.0213	0.0000	0.282270	0.000015	0.282260	-15.1	-2.8	1320	2203	-0.98
7	0.0411	0.0000	0.282270	0.000015	0.282260	-15.1	-2.9	1333	2212	-0.98
8	0.0411	0.0000	0.282270	0.000015	0.282260	-15.1	-2.9	1333	2212	-0.98
9	0.0511	0.0000	0.282270	0.000015	0.282260	-17.4	-4.1	1384	2320	-0.96
10	0.0571	0.0000	0.282274	0.000015	0.282264	-17.6	-4.4	1403	2370	-0.96
11	0.0233	0.0000	0.282281	0.000015	0.282273	-17.4	-3.8	1360	2300	-0.96
12	0.0391	0.0000	0.282252	0.000015	0.282239	-18.4	-5.0	1415	2380	-0.96
13	0.0145	0.0000	0.282283	0.000015	0.282278	-17.3	-3.6	1350	2300	-0.96
14	0.0440	0.0000	0.282270	0.000015	0.282260	-16.3	-3.1	1350	2300	-0.96
15	0.0461	0.0000	0.282285	0.000016	0.282282	-16.9	-3.5	1357	2287	-0.97
16	0.0941	0.0000	0.282270	0.000015	0.282270	-15.1	-2.7	1390	2284	-0.93
17	0.0251	0.0000	0.282277	0.000015	0.282277	-17.7	-3.8	1360	2293	-0.98
18	0.0642	0.0000	0.282277	0.000015	0.282277	-17.7	-3.8	1360	2293	-0.98
19	0.0511	0.0000	0.282277	0.000015	0.282277	-17.7	-3.8	1360	2293	-0.98
20	0.1154	0.0000	0.282277	0.000015	0.282277	-17.7	-3.8	1360	2293	-0.98
21	0.0211	0.0000	0.282277	0.000015	0.282277	-17.7	-3.8	1360	2293	-0.98
22	0.0211	0.0000	0.282277	0.000015	0.282277	-17.7	-3.8	1360	2293	-0.98

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