

表 1 “一带一路”沿线国家科技创新能力评价指标体系

Table 1 Science and Technology Innovation Capacity Evaluation Indicator of Countries along the Belt and Road

一级指标 First-level Indicator	权重 Weight	二级指标 Second-level Indicator	权重 Weight	三级指标 Third-level Indicator		
科技创新基础 Foundation for Science and Technology Innovation	0.2468	经济基础 Economy Foundation	0.0756	1.1 人均 GDP（现价美元） 1.1 Real GDP per capita (current US\$)		
				1.2 国民总收入（现价美元） 1.2 Gross national income (GNI) (current US\$)		
		信息化基础 Informatization Foundation	0.0301	1.3 使用互联网的用户数占总人口的比例（%） 1.3 Proportion of Internet users to the total population (%)		
				1.4 每一百人固定宽带订阅数 1.4 Number of fixed broadband subscriptions per 100 people		
		教育基础 Education Foundation	0.0606	1.5 高等院校入学率（%） 1.5 Tertiary school enrollment (%)		
		政策基础 Policy Foundation	0.0805	1.6 企业总税率（%） 1.6 Total corporate tax rate (%)		
				1.7 企业注册的启动程序数量 1.7 Number of startup procedures to register a business		
		科技创新投入 Investment in Science and Technology Innovation	0.3041	资金投入 Capital Investment	0.1009	2.1 研发支出占 GDP 的比例（%） 2.1 Proportion of R&D expenditure to GDP (%)
						2.2 支付的知识产权使用费（现价美元） 2.2 Charges for the use of intellectual property, payments (current US\$)
研发人员投入 R&D Technician Investment	0.1110			2.3 每一百万人中研发人员数量 2.3 Number of technicians in R&D per million people		
高科技进口 High-Technology Import	0.0255			2.4 信息和通信技术产品进口占产品进口总量的比例（%） 2.4 Proportion of ICT goods imports in total goods imports (%)		
				2.5 通信、计算机等占服务进口额的比例（%） 2.5 Proportion of computer, communications and other services to the total commercial service imports (%)		

		科技创新平台 Technology Innovation Platform	0.0666	2.6 新注册企业数量 2.6 Number of new businesses registered 2.7 国内上市公司总数 2.7 Total number of listed domestic companies
科技创新产出 Science and Technology Innovation Output	0.1600	知识创造 Knowledge Creation	0.0660	3.1 科技期刊文章数量 3.1 Number of scientific and technical journal articles
		知识产权 Intellectual Property	0.0939	3.2 专利申请总量 3.2 Total patent applications
				3.3 工业品外观设计申请总量 3.3 Total industrial design applications
				3.4 商标申请总量 3.4 Total trademark applications
				3.5 收取的知识产权使用费（现价美元） 3.5 Charges for the use of intellectual property, receipts (current US\$)
科技创新绩效 Science and Technology Innovation Performance	0.2892	经济发展 Economic Development	0.0994	4.1 GDP 增速 4.1 GDP growth rate
				4.2 人均 GDP 增速 4.2 GDP growth rate per capita
		产业结构优化 Industrial Structure Improvement	0.1251	4.3 服务业就业人员占就业人员总数的比例（%） 4.3 The proportion of employment in services to total employment (%)
				4.4 中高新技术产业占制造业增加值的比例（%） 4.4 The proportion of high-tech industry to the added value in manufacturing industry (%)
		高科技出口 High-technology Export	0.0647	4.5 高科技产品出口总额（现价美元） 4.5 Total high-technology exports (current US\$)
				4.6 高科技产品出口占制成品出口的比例（%） 4.6 The proportion of high-technology exports to manufactured exports (%)
				4.7 计算机、通信和其他服务占商业服务出口额的比例（%）

				4.7 The proportion of computer, communications and other services to commercial service exports (%)
				4.8 信息和通信技术产品出口占产品出口总量的比例 (%)
				4.8 The proportion of ICT goods exports to the total goods exports (%)

表 2 2015 年“一带一路”沿线国家科技创新能力排名

Table 2 2015 Ranking of Science and Technology Innovation Capacity of Countries along the Belt and Road

国家	国家	总得分	百分 归一化	总排名	科技创新 基础	百分 归一化	排名	科技创新 投入	百分 归一化	排名	科技创新 产出	百分 归一化	排名	科技创新 绩效	百分 归一化	排名
Country	Country	Total Score	Normali zation	Total Ranking	Foundation for Science and Technology Innovation	Normali zation	Ranki ng	Investment in Science and Technology Innovation	Normali zation	Ranki ng	Science and Technology Innovation Output	Normali zation	Ranki ng	Science and Technology Innovation Performance	Normali zation	Ranki ng
新加坡	Singapore	1.6259	100	1	1.2483	100	1	1.7448	83.9748	2	0.2915	100	1	2.5609	100	1
以色列	Israel	1.4058	86.4619	2	0.9744	78.0524	4	2.0777	100	1	0.0507	17.3992	7	1.8167	70.9386	8
捷克	The Czech Republic	1.0624	65.3419	3	0.7035	56.351	27	0.9707	46.7175	4	0.0338	11.5977	8	2.0339	79.4216	4
斯洛文尼 亚	Slovenia	1.0191	62.6751	4	0.9455	75.7422	5	1.0278	49.4653	3	0.0061	2.11	33	1.6327	63.7537	15
匈牙利	Hungary	1.0024	61.6512	5	0.6326	50.6713	35	0.7245	34.869	7	0.0572	19.6124	4	2.1329	83.2855	2
马来西亚	Malaysia	0.9383	57.7111	6	0.6364	50.9829	33	0.7126	34.2955	8	0.0284	9.7359	9	1.9365	75.6171	6
斯洛伐克	Slovakia	0.9213	56.6631	7	0.6189	49.5797	37	0.6724	32.3613	10	0.0067	2.3027	31	1.9468	76.0182	5
阿联酋	United Arab Emirates	0.9033	55.5559	8	0.9822	78.6775	3	0.5173	24.8981	15	0.0125	4.2776	18	1.7344	67.7257	12

爱沙尼亚	Estonia	0.8922	54.8735	9	0.7842	62.8224	15	0.8108	39.0211	6	0.0023	0.7783	43	1.562	60.9949	21
波兰	Poland	0.8798	54.1125	10	0.7474	59.8747	19	0.6364	30.6303	12	0.0534	18.3223	6	1.7057	66.6041	13
俄罗斯	Russian Federation	0.8744	53.7798	11	0.7457	59.7321	20	0.9269	44.613	5	0.0991	33.9865	3	1.3578	53.0178	33
立陶宛	Lithuania	0.8336	51.2716	12	0.7718	61.8284	16	0.652	31.3823	11	0.0038	1.2904	38	1.5362	59.9855	26
卡塔尔	Qatar	0.8248	50.7266	13	1.0072	80.6789	2	0.2153	10.3607	44	0.0123	4.2035	20	1.7593	68.6977	11
希腊	Greece	0.8218	50.5441	14	0.9064	72.6049	6	0.6825	32.8469	9	0.0147	5.031	16	1.3425	52.4204	37
印度	India	0.8187	50.3538	15	0.3079	24.6669	58	0.5603	26.966	13	0.1621	55.6139	2	1.8894	73.7766	7
保加利亚	Bulgaria	0.8053	49.5271	16	0.7692	61.6158	17	0.5376	25.8767	14	0.005	1.7203	35	1.56	60.914	22
克罗地亚	Croatia	0.8023	49.3443	17	0.8248	66.0742	12	0.4283	20.6152	18	0.0062	2.1413	32	1.6165	63.1202	17
沙特阿拉伯	Saudi Arabia	0.7916	48.6852	18	0.8199	65.6792	13	0.3891	18.7254	20	0.0201	6.8918	10	1.6172	63.1506	16
拉托维亚	Latvia	0.785	48.2825	19	0.8259	66.1592	11	0.4383	21.0947	17	0.0021	0.7129	45	1.5477	60.4348	25
罗马尼亚	Romania	0.7681	47.2376	20	0.6232	49.9233	36	0.2901	13.9618	31	0.0158	5.424	15	1.8102	70.6832	9
泰国	Thailand	0.7625	46.8961	21	0.6717	53.809	29	0.3686	17.7383	21	0.0196	6.7309	11	1.6649	65.0131	14
塞浦路斯	Cyprus	0.7605	46.771	22	0.8848	70.8768	8	0.2655	12.7805	35	0.0011	0.3902	51	1.5946	62.2672	19
塞尔维亚	Serbia	0.7476	45.9792	23	0.6707	53.7292	30	0.5102	24.5575	16	0.0074	2.5404	30	1.472	57.4796	27
土耳其	Turkey	0.7282	44.7849	24	0.5665	45.3829	44	0.4074	19.6064	19	0.0552	18.9284	5	1.5755	61.5216	20
越南	Vietnam	0.7273	44.7311	25	0.4759	38.1199	50	0.2875	13.8356	32	0.0162	5.5481	13	1.7975	70.1905	10
北马其顿	North	0.715	43.9719	26	0.7579	60.7148	18	0.2585	12.4421	37	0.0015	0.5204	46	1.5527	60.6299	23

	Macedonia															
菲律宾	Philippines	0.7139	43.9084	27	0.3606	28.8833	56	0.1071	5.1523	53	0.0054	1.8368	34	2.0454	79.8684	3
白俄罗斯	Belarus	0.6829	41.9975	28	0.7149	57.265	24	0.2943	14.1622	30	0.0026	0.8986	40	1.4403	56.2394	29
科威特	Kuwait	0.6711	41.2745	29	0.8669	69.44	10	0.1168	5.6214	51	0.0123	4.2326	19	1.4511	56.6637	28
黑山	Montenegro	0.6486	39.8881	30	0.7429	59.5078	21	0.235	11.3085	41	0.0008	0.2705	54	1.3611	53.1494	31
印度尼西亚	Indonesia	0.6353	39.0749	31	0.4938	39.5577	47	0.158	7.6033	48	0.0141	4.8262	17	1.6015	62.5373	18
阿尔巴尼亚	Albania	0.6347	39.0344	32	0.6754	54.1067	28	0.0615	2.9611	56	0.0014	0.485	47	1.5527	60.6299	24
巴林	Bahrain	0.6238	38.3664	33	0.8755	70.1291	9	0.0924	4.446	54	0.009	3.0942	28	1.3078	51.0671	38
不丹	Bhutan	0.6212	38.2037	34	0.4414	35.361	52	0.3281	15.7932	24	0.0022	0.7716	44	1.4249	55.6391	30
阿塞拜疆	Azerbaijan	0.6155	37.8537	35	0.5916	47.3928	41	0.262	12.6089	36	0.0009	0.3187	53	1.3473	52.6105	35
文莱	Brunei Darussalam	0.603	37.0891	36	0.8954	71.7238	7	0.3382	16.2764	22	0.0085	2.9032	29	0.9608	37.519	57
格鲁吉亚	Georgia	0.6007	36.9478	37	0.7873	63.0672	14	0.2829	13.6144	33	0.0012	0.4067	49	1.1073	43.2381	47
约旦	Jordan	0.593	36.473	38	0.6022	48.2369	38	0.1811	8.7146	47	0.0027	0.9159	39	1.3448	52.5131	36
哈萨克斯坦	Kazakhstan	0.5882	36.1787	39	0.7098	56.8595	25	0.1913	9.2095	45	0.0025	0.8556	41	1.2257	47.8616	42
波黑	Bosnia and Herzegovina	0.5799	35.6637	40	0.5994	48.0189	40	0.1261	6.068	50	0.0023	0.7872	42	1.3597	53.093	32

阿曼	Oman	0.579	35.613	41	0.7342	58.8128	23	0.1125	5.4166	52	0.01	3.4335	24	1.2518	48.8804	39
亚美尼亚	Armenia	0.5688	34.9817	42	0.7363	58.9783	22	0.2536	12.2073	39	0.0093	3.1794	26	1.0666	41.6484	50
黎巴嫩	Lebanon	0.5671	34.8786	43	0.6463	51.7706	31	0.3122	15.0281	28	0.0045	1.532	36	1.0786	42.1179	49
乌克兰	Ukraine	0.5667	34.8541	44	0.6327	50.6822	34	0.3027	14.5694	29	0.0158	5.4312	14	1.0926	42.6624	48
孟加拉	Bangladesh	0.5656	34.7843	45	0.425	34.0458	53	0.3246	15.6227	25	0.0038	1.3068	37	1.2495	48.791	41
埃及	Egypt	0.5614	34.527	46	0.4651	37.2581	51	0.2694	12.9648	34	0.0174	5.9808	12	1.2514	48.863	40
蒙古	Mongolia	0.5481	33.7076	47	0.7041	56.3992	26	0.2424	11.6665	40	0.0006	0.2066	55	1.039	40.5729	54
老挝	Lao People's Democratic Republic	0.5436	33.4346	48	0.4837	38.7473	48	0.3244	15.6118	26	0.0106	3.6465	22	1.12	43.7342	46
摩尔多瓦	Republic of Moldova	0.5364	32.9917	49	0.5844	46.8157	43	0.1865	8.9755	46	0.0012	0.3996	50	1.1594	45.2714	45
巴基斯坦	Pakistan	0.5254	32.316	50	0.3656	29.2869	55	0.1353	6.5122	49	0.0121	4.1554	21	1.3559	52.9447	34
吉尔吉斯 斯坦	Kyrgyzstan	0.5247	32.2732	51	0.6412	51.3637	32	0.2196	10.5709	43	0.0005	0.1869	57	1.036	40.4545	55
马尔代夫	The Republic of Maldives	0.5207	32.0244	52	0.5903	47.2857	42	0.3296	15.8624	23	0.0092	3.1502	27	0.9451	36.9039	58
尼泊尔	Nepal	0.4973	30.5845	53	0.4765	38.169	49	0.2541	12.2299	38	0.0009	0.3203	52	1.0452	40.8122	52
伊拉克	Iraq	0.4567	28.086	54	0.6014	48.1725	39	0.0246	1.1842	59	0.0014	0.4717	48	1.0392	40.5796	53

缅甸	Myanmar	0.4518	27.7862	55	0.3824	30.6312	54	0.0426	2.0485	58	0.0103	3.5319	23	1.1854	46.2884	43
斯里兰卡	Sri Lanka	0.4491	27.6225	56	0.3434	27.5069	57	0.0688	3.3104	55	0.0099	3.4076	25	1.1821	46.1599	44
柬埔寨	Cambodia	0.4411	27.1266	57	0.5063	40.5543	45	0.0446	2.1468	57	0.0006	0.1979	56	1.0459	40.8385	51
塔吉克斯坦	Tajikistan	0.426	26.2007	58	0.2379	19.0576	59	0.2248	10.8207	42	0.0004	0.1451	59	1.0334	40.3516	56
也门	Yemen	0.2961	18.2136	59	0.5053	40.4747	46	0.3204	15.4194	27	0.0005	0.1548	58	0.2557	9.984	59

表 3 2016 年“一带一路”沿线国家科技创新能力排名

Table 3 2016 Ranking of Science and Technology Innovation Capacity of Countries along the Belt and Road

国家	国家	总得分	百分 归一化	总排名	科技创新 基础	百分 归一化	排名	科技创新 投入	百分 归一化	排名	科技创新 产出	百分 归一化	排名	科技创新 绩效	百分 归一化	排名
Country	Country	Total Score	Normali zation	Total Ranking	Foundation for Science and Technology Innovation	Normali zation	Ranki ng	Investment in Science and Technology Innovation	Normali zation	Ranki ng	Science and Technology Innovation Output	Normali zation	Ranki ng	Science and Technology Innovation Performance	Normali zation	Ranki ng
新加坡	Singapore	1.5472	100	1	1.2394	100	1	1.6607	79.8905	2	0.2905	100	1	2.3854	100	1
以色列	Israel	1.3866	89.6152	2	0.966	77.9418	4	2.0787	100	1	0.0623	21.4432	5	1.7498	73.3547	4
斯洛文尼亚	Slovenia	0.9563	61.8059	3	0.8953	72.2382	6	0.9985	48.033	3	0.0067	2.3141	32	1.489	62.4201	13
捷克	The Czech Republic	0.9428	60.9338	4	0.6431	51.8875	25	0.9045	43.5099	4	0.0344	11.8287	8	1.7411	72.9913	5
匈牙利	Hungary	0.8982	58.0548	5	0.584	47.1204	34	0.6905	33.215	8	0.0744	25.6244	4	1.8404	77.152	3
马来西亚	Malaysia	0.8646	55.8802	6	0.5475	44.1781	39	0.7469	35.9319	7	0.0299	10.2941	9	1.7204	72.1228	6
阿联酋	United Arab Emirates	0.8493	54.8908	7	1.0038	80.9892	2	0.5872	28.2463	13	0.0132	4.5358	20	1.4554	61.0121	16
爱沙尼亚	Estonia	0.8196	52.974	8	0.7174	57.8795	19	0.7846	37.7442	6	0.0022	0.7574	44	1.3957	58.5112	21

俄罗斯	Russian Federation	0.8182	52.879	9	0.6749	54.4542	23	0.8901	42.818	5	0.1001	34.4666	3	1.2618	52.8963	33
波兰	Poland	0.8016	51.8061	10	0.6859	55.3379	22	0.6505	31.2922	9	0.0559	19.2379	6	1.4714	61.6856	15
斯洛伐克	Slovakia	0.7936	51.2883	11	0.5482	44.2295	38	0.5975	28.7442	12	0.0071	2.4429	31	1.6439	68.9162	9
立陶宛	Lithuania	0.7631	49.3197	12	0.7173	57.8721	20	0.641	30.8337	10	0.0038	1.2911	38	1.3505	56.6149	25
卡塔尔	Qatar	0.7527	48.6493	13	1.002	80.8453	3	0.2132	10.2576	44	0.0133	4.5768	19	1.5161	63.5583	11
克罗地亚	Croatia	0.7516	48.577	14	0.7897	63.7182	13	0.4817	23.1742	17	0.0064	2.1899	33	1.4149	59.3151	19
保加利亚	Bulgaria	0.7499	48.4641	15	0.7285	58.7811	18	0.5421	26.0801	15	0.0051	1.7583	35	1.3983	58.6172	20
印度	India	0.7485	48.3752	16	0.2346	18.9303	59	0.5638	27.1242	14	0.1685	58.0086	2	1.7018	71.3411	7
塞浦路斯	Cyprus	0.7343	47.4578	17	0.8958	72.2728	5	0.2768	13.3173	34	0.0012	0.4191	48	1.4828	62.1634	14
希腊	Greece	0.733	47.3721	18	0.8498	68.5622	10	0.6105	29.3665	11	0.0149	5.128	16	1.1591	48.5925	37
泰国	Thailand	0.729	47.1191	19	0.6298	50.8131	28	0.4467	21.4898	18	0.0193	6.6315	11	1.5031	63.0115	12
罗马尼亚	Romania	0.7266	46.9588	20	0.5901	47.6119	33	0.297	14.2897	31	0.0144	4.9537	17	1.6884	70.7823	8
沙特阿拉伯	Saudi Arabia	0.7174	46.3694	21	0.8102	65.3688	11	0.3867	18.6045	20	0.0215	7.414	10	1.3708	57.4673	23
塞尔维亚	Serbia	0.7121	46.0259	22	0.6394	51.5884	27	0.5224	25.1305	16	0.0073	2.5196	30	1.3634	57.1568	24
拉托维亚	Latvia	0.6757	43.6727	23	0.7898	63.7214	12	0.3702	17.8103	21	0.0019	0.641	45	1.2722	53.3336	32
科威特	Kuwait	0.6728	43.4821	24	0.8545	68.9477	9	0.1284	6.1756	51	0.0128	4.39	21	1.455	60.9975	17
越南	Vietnam	0.6649	42.9719	25	0.4283	34.5548	50	0.2992	14.3918	29	0.018	6.1842	13	1.609	67.4535	10
菲律宾	Philippines	0.6522	42.1545	26	0.3142	25.3521	56	0.1017	4.8903	53	0.0058	1.9996	34	1.877	78.6892	2

北马其顿	North Macedonia	0.6485	41.9121	27	0.7437	60.0023	15	0.2571	12.3698	38	0.0013	0.4431	47	1.3366	56.0327	26
土耳其	Turkey	0.6445	41.6561	28	0.5301	42.7729	43	0.4237	20.3819	19	0.0538	18.5127	7	1.301	54.5385	29
乌克兰	Ukraine	0.6182	39.9547	29	0.5303	42.7847	41	0.2841	13.6663	32	0.016	5.5036	15	1.3775	57.7477	22
白俄罗斯	Belarus	0.6173	39.8956	30	0.6123	49.4047	29	0.2982	14.3464	30	0.0028	0.9722	40	1.2967	54.362	30
印度尼西亚	Indonesia	0.5803	37.5037	31	0.4712	38.0167	47	0.1584	7.6212	48	0.0173	5.9501	14	1.4282	59.8739	18
黑山	Montenegro	0.5723	36.9876	32	0.705	56.8819	21	0.204	9.816	45	0.0007	0.2241	55	1.1623	48.7261	36
巴林	Bahrain	0.5709	36.8989	33	0.8883	71.673	8	0.0907	4.3623	54	0.01	3.4306	26	1.1152	46.7502	41
不丹	Bhutan	0.5705	36.8697	34	0.4025	32.4786	52	0.3287	15.8123	24	0.0022	0.7637	43	1.2822	53.7513	31
阿尔巴尼亚	Albania	0.5554	35.8934	35	0.6069	48.967	31	0.0619	2.98	56	0.0012	0.4157	49	1.3366	56.0327	27
阿曼	Oman	0.5455	35.2553	36	0.7384	59.5745	16	0.117	5.6275	52	0.011	3.7906	24	1.127	47.2448	40
约旦	Jordan	0.5416	35.005	37	0.5733	46.2572	36	0.2308	11.1041	41	0.0032	1.0986	39	1.1391	47.7513	39
文莱	Brunei Darussalam	0.5353	34.5995	38	0.89	71.8075	7	0.3348	16.107	22	0.0094	3.2407	28	0.7343	30.7839	58
格鲁吉亚	Georgia	0.5338	34.5004	39	0.7835	63.216	14	0.2833	13.6277	33	0.0012	0.4042	50	0.8786	36.8341	52
黎巴嫩	Lebanon	0.5335	34.4819	40	0.6071	48.987	30	0.3092	14.8753	28	0.0043	1.4856	36	0.9991	41.8858	45
摩尔多瓦	Republic of Moldova	0.5307	34.3028	41	0.5239	42.272	44	0.1737	8.3568	47	0.0011	0.3619	51	1.2049	50.5104	34

伊拉克	Iraq	0.5212	33.6825	42	0.5327	42.9769	40	0.0251	1.2081	59	0.0015	0.5086	46	1.3203	55.3474	28
波黑	Bosnia and Herzegovina	0.5169	33.4065	43	0.5793	46.7386	35	0.1345	6.4687	50	0.0023	0.7857	42	1.1503	48.2211	38
哈萨克斯坦	Kazakhstan	0.5158	33.3363	44	0.6653	53.678	24	0.1775	8.5401	46	0.0027	0.9361	41	1.0276	43.0786	44
孟加拉	Bangladesh	0.5108	33.0121	45	0.4009	32.349	53	0.3228	15.5274	26	0.0039	1.3596	37	1.0824	45.3776	42
马尔代夫	The Republic of Maldives	0.5002	32.3288	46	0.5622	45.3622	37	0.3314	15.9435	23	0.009	3.0918	29	0.8964	37.5769	50
阿塞拜疆	Azerbaijan	0.5001	32.3223	47	0.5302	42.7824	42	0.2639	12.6975	36	0.001	0.346	53	0.9987	41.8658	46
埃及	Egypt	0.4951	32.0005	48	0.412	33.242	51	0.2642	12.7073	35	0.0187	6.4368	12	1.0723	44.9547	43
亚美尼亚	Armenia	0.489	31.6075	49	0.7322	59.0799	17	0.2531	12.1771	40	0.01	3.4478	25	0.7944	33.3039	56
巴基斯坦	Pakistan	0.4732	30.5833	50	0.3232	26.0772	55	0.1423	6.8432	49	0.0133	4.5829	18	1.2035	50.4516	35
吉尔吉斯斯坦	Kyrgyzstan	0.4727	30.5516	51	0.5946	47.9772	32	0.221	10.6304	43	0.0005	0.1787	58	0.8944	37.4964	51
老挝	Lao People's Democratic Republic	0.4726	30.546	52	0.4484	36.1795	48	0.3167	15.2328	27	0.0115	3.9486	22	0.9123	38.2434	49
蒙古	Mongolia	0.4717	30.4877	53	0.643	51.8779	26	0.2588	12.449	37	0.0005	0.1864	57	0.81	33.9565	55
尼泊尔	Nepal	0.4032	26.0577	54	0.4318	34.8376	49	0.2571	12.3692	39	0.001	0.3562	52	0.7547	31.638	57

缅甸	Myanmar	0.3882	25.0894	55	0.3791	30.5868	54	0.043	2.0666	57	0.0098	3.3891	27	0.9682	40.5874	47
柬埔寨	Cambodia	0.3804	24.5833	56	0.4881	39.3828	45	0.0428	2.0605	58	0.0007	0.253	54	0.8532	35.769	54
塔吉克斯坦	Tajikistan	0.3793	24.5172	57	0.2387	19.2554	58	0.2277	10.9538	42	0.0004	0.13	59	0.8684	36.4043	53
斯里兰卡	Sri Lanka	0.3677	23.7631	58	0.2875	23.1929	57	0.0664	3.196	55	0.0112	3.8586	23	0.95	39.8248	48
也门	Yemen	0.2901	18.7504	59	0.4731	38.171	46	0.3259	15.68	25	0.0006	0.1944	56	0.2564	10.7478	59

表 4 2017 年“一带一路”沿线国家科技创新能力排名

Table 4 2017 Ranking of Science and Technology Innovation Capacity of Countries along the Belt and Road

国家	国家	总得分	百分 归一化	总排名	科技创新 基础	百分 归一化	排名	科技创新 投入	百分 归一化	排名	科技创新 产出	百分 归一化	排名	科技创新 绩效	百分 归一化	排名
Country	Country	Total Score	Normali zation	Total Ranking	Foundation for Science and Technology Innovation	Normali zation	Ranki ng	Investment in Science and Technology Innovation	Normali zation	Ranki ng	Science and Technology Innovation Output	Normali zation	Ranki ng	Science and Technology Innovation Performance	Normali zation	Ranki ng
新加坡	Singapore	1.5603	100	1	1.2149	100	1	1.6188	77.8484	2	0.2897	100	1	2.4959	100	1
以色列	Israel	1.3901	89.0932	2	0.9611	79.1066	4	2.0794	100	1	0.0571	19.706	5	1.7685	70.8541	9
斯洛文尼亚	Slovenia	1.0149	65.0477	3	0.8856	72.8908	8	1.0498	50.4853	3	0.0058	2.0029	34	1.6466	65.9723	11
捷克	The Czech Republic	0.9971	63.9023	4	0.6319	52.0115	28	0.9415	45.2774	4	0.0309	10.6696	9	1.9013	76.1756	5
匈牙利	Hungary	0.9624	61.6802	5	0.5716	47.0483	36	0.7528	36.2024	7	0.0643	22.1948	4	2.0128	80.6438	2
马来西亚	Malaysia	0.9006	57.7209	6	0.5299	43.6181	40	0.727	34.9629	8	0.0356	12.3036	8	1.8777	75.2311	6
爱沙尼亚	Estonia	0.8857	56.7645	7	0.6995	57.572	21	0.8231	39.5837	6	0.0024	0.8128	43	1.5988	64.0573	14
波兰	Poland	0.856	54.8587	8	0.6769	55.7129	22	0.6933	33.3431	10	0.056	19.3329	6	1.6221	64.9878	12
俄罗斯	Russian	0.8394	53.8008	9	0.6739	55.4659	23	0.8635	41.5281	5	0.1065	36.7771	3	1.3606	54.5132	25

	Federation															
斯洛伐克	Slovakia	0.8367	53.6261	10	0.5287	43.5161	41	0.6398	30.7696	12	0.0067	2.3106	31	1.7656	70.7374	10
立陶宛	Lithuania	0.8121	52.0473	11	0.7074	58.2249	19	0.6642	31.9434	11	0.0037	1.2822	38	1.5039	60.2525	18
罗马尼亚	Romania	0.8005	51.3064	12	0.5869	48.3042	33	0.3027	14.5557	31	0.0139	4.7863	23	1.9413	77.7789	4
阿联酋	United Arab Emirates	0.7933	50.8415	13	0.9928	81.7122	3	0.5455	26.2323	14	0.0163	5.6219	15	1.3132	52.6137	28
印度	India	0.7886	50.54	14	0.2586	21.2814	58	0.5687	27.3501	13	0.1695	58.5136	2	1.8143	72.6895	7
泰国	Thailand	0.7774	49.8234	15	0.6438	52.9931	25	0.5027	24.1776	17	0.0201	6.9246	13	1.5989	64.0593	13
希腊	Greece	0.7694	49.3132	16	0.8419	69.2968	11	0.7118	34.2329	9	0.0136	4.6995	24	1.186	47.5181	37
保加利亚	Bulgaria	0.7642	48.9791	17	0.7179	59.0909	18	0.5121	24.6272	16	0.005	1.7427	35	1.4886	59.6401	19
克罗地亚	Croatia	0.7595	48.6798	18	0.7822	64.3774	14	0.4796	23.0625	18	0.0062	2.1237	32	1.4512	58.1435	20
塞浦路斯	Cyprus	0.7353	47.1233	19	0.9236	76.0226	5	0.2983	14.3448	32	0.0012	0.4304	49	1.4398	57.687	21
拉托维亚	Latvia	0.7332	46.9894	20	0.797	65.6004	12	0.4103	19.7325	20	0.0021	0.7108	46	1.4224	56.9893	22
土耳其	Turkey	0.728	46.6609	21	0.5165	42.5128	44	0.4456	21.4285	19	0.0512	17.6702	7	1.5798	63.295	15
越南	Vietnam	0.7159	45.8797	22	0.4328	35.6239	49	0.3098	14.8984	30	0.0211	7.2787	12	1.7685	70.8558	8
卡塔尔	Qatar	0.7144	45.7833	23	1.002	82.4758	2	0.2116	10.1757	45	0.0162	5.6037	16	1.3835	55.4298	24
塞尔维亚	Serbia	0.7074	45.337	24	0.6399	52.6719	26	0.5169	24.8569	15	0.007	2.4218	30	1.3525	54.189	26
菲律宾	Philippines	0.6835	43.8071	25	0.3092	25.4464	56	0.1006	4.8397	53	0.0059	2.0287	33	1.9906	79.7523	3
沙特阿拉伯	Saudi Arabia	0.6834	43.7964	26	0.8463	69.661	10	0.3927	18.8856	21	0.0249	8.6014	10	1.2139	48.6358	36

白俄罗斯	Belarus	0.6818	43.6964	27	0.5948	48.9537	31	0.3138	15.0913	29	0.003	1.0351	40	1.5183	60.8312	16
乌克兰	Ukraine	0.6481	41.535	28	0.6277	51.6656	29	0.2706	13.0151	34	0.0161	5.5604	17	1.4117	56.5608	23
黑山	Montenegro	0.6196	39.7082	29	0.7043	57.9656	20	0.2168	10.428	44	0.0007	0.2493	55	1.3129	52.6024	29
亚美尼亚	Armenia	0.6115	39.1912	30	0.7271	59.8482	16	0.2587	12.4395	38	0.013	4.4872	25	1.2147	48.6686	35
印度尼西亚	Indonesia	0.6082	38.9775	31	0.4731	38.9423	46	0.1624	7.8117	48	0.0236	8.1341	11	1.5153	60.7109	17
北马其顿	North Macedonia	0.601	38.5208	32	0.7394	60.8616	15	0.2198	10.5708	43	0.0013	0.4573	47	1.2154	48.6943	33
格鲁吉亚	Georgia	0.5862	37.5705	33	0.7911	65.1099	13	0.2851	13.7098	33	0.0011	0.3864	51	1.0515	42.13	45
文莱	Brunei Darussalam	0.5719	36.6566	34	0.9166	75.4408	6	0.3284	15.7926	26	0.0124	4.2853	27	0.8433	33.7883	56
摩尔多瓦	Republic of Moldova	0.5638	36.1334	35	0.5284	43.4956	42	0.1705	8.1995	47	0.001	0.3409	53	1.3187	52.8324	27
巴林	Bahrain	0.5557	35.617	36	0.8726	71.8253	9	0.0907	4.3596	54	0.0129	4.4469	26	1.0745	43.048	44
孟加拉	Bangladesh	0.5526	35.4166	37	0.3991	32.8461	52	0.3312	15.9299	23	0.0042	1.4339	37	1.2196	48.8645	31
不丹	Bhutan	0.5517	35.3582	38	0.3991	32.8474	51	0.3296	15.8502	25	0.0022	0.7726	45	1.2193	48.85	32
哈萨克斯坦	Kazakhstan	0.5498	35.2382	39	0.6725	55.3554	24	0.174	8.3684	46	0.0029	1.0112	41	1.1426	45.7797	40
科威特	Kuwait	0.5431	34.8104	40	0.8944	73.6149	7	0.1349	6.4881	51	0.0158	5.4516	18	0.9642	38.632	50
约旦	Jordan	0.5301	33.9727	41	0.5487	45.1595	39	0.2268	10.9079	42	0.0036	1.2578	39	1.1241	45.039	42

马尔代夫	The Republic of Maldives	0.5257	33.6931	42	0.5813	47.8439	34	0.336	16.1567	22	0.009	3.0905	29	0.9635	38.604	51
黎巴嫩	Lebanon	0.5195	33.2957	43	0.597	49.1348	30	0.321	15.436	28	0.0043	1.4948	36	0.947	37.9424	52
蒙古	Mongolia	0.5191	33.2689	44	0.6319	52.0125	27	0.2551	12.2668	39	0.0006	0.2126	56	0.9871	39.5478	48
尼泊尔	Nepal	0.518	33.2005	45	0.421	34.6528	50	0.2641	12.6999	36	0.0011	0.3733	52	1.1537	46.2216	38
阿尔巴尼亚	Albania	0.5169	33.1299	46	0.592	48.7274	32	0.0629	3.0243	56	0.0013	0.4356	48	1.2154	48.6943	34
波黑	Bosnia and Herzegovina	0.5149	33.0009	47	0.5662	46.6013	37	0.14	6.7307	50	0.0023	0.8019	44	1.1488	46.0283	39
老挝	Lao People's Democratic Republic	0.5047	32.3436	48	0.4388	36.1138	48	0.3268	15.7145	27	0.0145	5.0049	19	1.0189	40.824	46
巴基斯坦	Pakistan	0.4957	31.7686	49	0.3143	25.8683	55	0.1462	7.0316	49	0.0142	4.9161	20	1.2841	51.4492	30
埃及	Egypt	0.4917	31.5117	50	0.3775	31.0739	54	0.2631	12.6506	37	0.0179	6.1748	14	1.0914	43.7282	43
吉尔吉斯斯坦	Kyrgyzstan	0.4827	30.934	51	0.578	47.576	35	0.2307	11.093	41	0.0005	0.1719	58	0.9328	37.3745	54
阿塞拜疆	Azerbaijan	0.4663	29.8851	52	0.5219	42.9564	43	0.2674	12.8594	35	0.0012	0.4014	50	0.8852	35.4642	55
阿曼	Oman	0.4538	29.0867	53	0.7237	59.563	17	0.107	5.1453	52	0.0141	4.8572	22	0.8314	33.3113	57
缅甸	Myanmar	0.439	28.1375	54	0.3792	31.2133	53	0.0504	2.4246	57	0.0095	3.2797	28	1.1362	45.5208	41

塔吉克斯坦	Tajikistan	0.418	26.7928	55	0.2395	19.7156	59	0.2362	11.3612	40	0.0004	0.1359	59	0.9925	39.7635	47
柬埔寨	Cambodia	0.4104	26.3056	56	0.4774	39.293	45	0.0445	2.1385	58	0.0008	0.2622	54	0.9647	38.649	49
斯里兰卡	Sri Lanka	0.3644	23.3525	57	0.2862	23.5598	57	0.0673	3.2348	55	0.0141	4.8707	21	0.9371	37.545	53
伊拉克	Iraq	0.31	19.8703	58	0.5599	46.0853	38	0.0306	1.4726	59	0.0027	0.9392	42	0.5605	22.4571	58
也门	Yemen	0.2865	18.3616	59	0.4664	38.3897	47	0.3301	15.8768	24	0.0006	0.1977	57	0.2451	9.8219	59