

**Internet Appendix for
 “Do place-based policies promote local innovation and entrepreneurship?”
 (Not to be published)**

A. National High-tech Zone List

The table below lists the national high-tech zones in China established and certified by the end of 2016. Zone names in both English and Chinese are displayed in the table. Year established shows the time when the zone was established (either by the local government or the central government). Year certified shows the time when the zone was approved by the central government to become a national high-tech zone. The information on main industries of national high-tech zone is collected from the website: <https://www.chinacheckup.com/blogs/articles/china-high-tech-zones>.

No.	Province	City	Zone Name	Year Established	Year Certified	Main Industries	Website (if available)
1	Anhui	Hefei	Hefei High-Tech Industry Development Zone	1991	1991	Household appliances & parts; Automobile; Electronic information	hefei-stip.gov.cn
			合肥高新技术产业开发区				
2	Anhui	Bengbu	Bengbu High-Tech Industry Development Zone	1994	2010	Auto parts; Equipment manufacturing; Electronic information	htz.bengbu.gov.cn
			蚌埠高新技术产业开发区				
3	Anhui	Wuhu	Wuhu High-Tech Industry Development Zone	1991	2010	Equipment manufacturing; Auto parts; New materials; Medicine	yjq.gov.cn
			芜湖高新技术产业开发区				
4	Anhui	Ma'anshan	Ma'anshan Cihu High-Tech Industry Development Zone	2002	2012	New materials; Energy saving and environmental protection; Chemicals	chq.mas.gov.cn
			马鞍山慈湖高新技术产业开发区				
5	Beijing	Beijing	Zhongguancun Science Park	1988	1988	Electronic information; Opto-mechatronic integration; New materials; New energy & efficient energy saving; Biological medicine; Medical	zgc.gov.cn
			中关村科技园区				

						devices	
6	Chongqing	Chongqing	Chongqing High-Tech Industry Development Zone 重庆高新技术产业开发区	1991	1991	Automobile; Electronic and communication equipment; New materials	cqgxq.gov.cn
7	Chongqing	Chongqing	Bishan High-Tech Industry Development Zone 璧山高新技术产业开发区	2002	2015	Equipment manufacturing; Internet	
8	Fujian	Fuzhou	Fuzhou High-Tech Industry Development Zone 福州高新技术产业开发区	1991	1991	Electronic information; Opto-Mechatronics; New materials	fzgxq.fuzhou.gov.cn
9	Fujian	Xiamen	Xiamen Torch High-Tech Industry Development Zone 厦门火炬高技术产业开发区	1990	1991	Electronic information; Semi-conductor and integrated circuit; Software	xmtorch.gov.cn
10	Fujian	Quanzhou	Quanzhou High-Tech Industry Development Zone 泉州高新技术产业开发区	2001	2010	Electronic information; Textile, clothing and shoes; Mechanical auto parts	qzht.gov.cn
11	Fujian	Putian	Putian High-Tech Industry Development Zone 莆田高新技术产业开发区	1999	2012	Electronic information; Machinery	ptgxq.gov.cn
12	Fujian	Zhangzhou	Zhangzhou High-Tech Industry Development Zone 漳州高新技术产业开发区	2000	2013	Electronic information; Equipment manufacturing; Biological medicine	zzgjgxq.gov.cn
13	Fujian	Sanming	Sanming High-Tech Industry Development Zone 三明高新技术产业开发区	2003	2015	Mechanical equipment; Forest product processing; Textile and light industry	
14	Fujian	Longyan	Longyan High-Tech Industry Development Zone 龙岩高新技术产业开发区	2012	2015	Machinery; Special vehicle; Environmental technology	lyjq.gov.cn
15	Gansu	Lanzhou	Lanzhou High-Tech Industry Development Zone 兰州高新技术产业开发区	1991	1991	Biological medicine; Electronic information; New materials; New energy	lzhtp.gov.cn
16	Gansu	Baiyin	Baiyin High-Tech Industry Development Zone 白银高新技术产业开发区	1991	2010	Biological medicine; Electronic information; New materials; New energy	

17	Guangdong	Guangzhou	Guangzhou High-Tech Industry Development Zone	1991	1991	Electronic information; Biological medicine; New materials	
			广州高新技术产业开发区				
18	Guangdong	Shenzhen	Shenzhen High-Tech Industrial Zone	1996	1996	Electronic information; Opto-Mechatronics integration; Biological medicine	szsti.gov.cn
			深圳市高新技术产业园区				
19	Guangdong	Zhongshan	Zhongshan Torch High-Tech Industry Development Zone	1990	1991	Electronic information; Biological medicine; Equipment manufacturing	zs.gov.cn/hjq
			中山火炬高新技术产业开发区				
20	Guangdong	Foshan	Foshan High-Tech Industry Development Zone	1992	1992	Equipment manufacturing; Intelligent household appliances; Auto parts	fs-hitech.gov.cn
			佛山高新技术产业开发区				
21	Guangdong	Huizhou	Huizhou Zhongkai High-Tech Industry Development Zone	1992	1992	Mobile Internet; Flat-panel display; New energy	hzzk.gov.cn
			惠州仲恺高新技术产业开发区				
22	Guangdong	Zhuhai	Zhuhai High-Tech Industry Development Zone	1992	1992	Electronic information; Biological medicine; Opto-Mechatronics integration technology	zhuhai-hitech.gov.cn
			珠海高新技术产业开发区				
23	Guangdong	Dongguan	Dongguan Songshan Lake High-Tech Industry Development Zone	2001	2010	Electronic information; Biotechnology; New energy	ssl.gov.cn
			东莞松山湖高新技术产业开发区				
24	Guangdong	Zhaoqing	Zhaoqing High-Tech Industry Development Zone	1993	2010	New materials; Electronic information; Equipment manufacturing	zqgx.gov.cn
			肇庆高新技术产业开发区				
25	Guangdong	Jiangmen	Jiangmen High-Tech Industry Development Zone	1992	2010	Electrical and mechanical; Electronics; Chemicals	jianghai.gov.cn
			江门高新技术产业开发区				
26	Guangdong	Heyuan	Yuancheng High-Tech Industry Development Zone	2003	2015	Electronic information; Machinery; Photovoltaic	hyhdz.gov.cn
			源城高新技术产业开发区				
27	Guangdong	Qingyuan	Qingyuan High-Tech Industry Development Zone	1991	2015	Mechanical equipment; New materials; Electronic information	qykfq.gov.cn
			清远高新技术产业开发区				

28	Guangxi	Nanning	Nanning High-Tech Industry Development Zone	1988	1992	Electronic information; Life health; Intelligent manufacturing	nnhitech.gov.cn
			南宁高新技术产业开发区				
29	Guangxi	Guilin	Guilin High-Tech Industry Development Zone	1988	1991	Electronic information; Biological medicine	glgxq.gov.cn
			桂林高新技术产业开发区				
30	Guangxi	Liuzhou	Liuzhou High-Tech Industry Development Zone	1992	2010	Automobile; Equipment manufacturing; New materials	lzxq.com
			柳州高新技术产业开发区				
31	Guangxi	Beihai	Beihai High-Tech Industry Development Zone	2001	2015	Electronic information; Marine life; Software services	bhgxq.gov.cn
			北海高新技术产业开发区				
32	Guizhou	Guiyang	Guiyang High-Tech Industry Development Zone	1992	1992	Equipment manufacturing; Electronic information; Biological medicine	gyhtz.gov.cn
			贵阳高新技术产业开发区				
33	Hainan	Hainan	Haikou High-Tech Industry Development Zone	1991	1991	Medicine; Automobile and parts; Food	gxq.haikou.gov.cn
			海口高新技术产业开发区				
34	Hebei	Shijiazhuang	Shijiazhuang High-Tech Industry Development Zone	1991	1991	Biological medicine; Electronic information; Advanced manufacturing	shidz.com
			石家庄高新技术产业开发区				
35	Hebei	Baoding	Baoding High-Tech Industry Development Zone	1992	1992	New energy; Energy equipment; Opto-mechatronic integration	bdgxq.gov.cn
			保定高新技术产业开发区				
36	Hebei	Tangshan	Tangshan High-Tech Industry Development Zone	1992	2010	Equipment Manufacturing; Auto parts; New materials	tsgxq.gov.cn
			唐山高新技术产业开发区				
37	Hebei	Langfang	Yanjiao High-Tech Industry Development Zone	1992	2010	Electronic materials; New materials; Equipment manufacturing	yanjiao.gov.cn
			燕郊高新技术产业开发区				
38	Hebei	Chengde	Chengde High-Tech Industry Development Zone	1992	2012	Equipment manufacturing; Food materials; Biological medicine	cdkfq.gov.cn
			承德高新技术产业开发区				
39	Heilongjiang	Harbin	Harbin High-Tech Industry	1988	1991	Equipment manufacturing;	kaifaqu.com.cn

			Development Zone			Electronic information; New materials	
			哈尔滨高新技术产业开发区				
40	Heilongjiang	Daqing	Daqing High-Tech Industry Development Zone	1991	1992	Petrochemicals; Automobile; Equipment manufacturing	dhp.gov.cn
			大庆高新技术产业开发区				
41	Heilongjiang	Qiqihar	Qiqihar High-Tech Industry Development Zone	1992	2010	Equipment manufacturing; Food	
			齐齐哈尔高新技术产业开发区				
42	Henan	Zhengzhou	Zhengzhou High-Tech Industry Development Zone	1988	1991	Electronic information; Equipment manufacturing	zzgx.gov.cn
			郑州高新技术产业开发区				
43	Henan	Luoyang	Luoyang High-Tech Industry Development Zone	1992	1992	Equipment manufacturing; New materials; High-tech services	lhdz.gov.cn
			洛阳高新技术产业开发区				
44	Henan	Anyang	Anyang High-Tech Industry Development Zone	1992	2010	Equipment manufacturing; Electronic information; Biological medicine	aygxq.gov.cn
			安阳高新技术产业开发区				
45	Henan	Nanyang	Nanyang High-Tech Industry Development Zone	1995	2010	Equipment manufacturing; New materials; Optoelectronics	nygxq.gov.cn
			南阳高新技术产业开发区				
46	Henan	Xinxiang	Xinxiang High-Tech Industry Development Zone	1992	2012	Electronics; Biological medicine; Equipment manufacturing	xxhdz.gov.cn
			新乡高新技术产业开发区				
47	Henan	Pingdingshan	Pingdingshan High-Tech Industry Development Zone	1992	2015	Mechanical and electrical equipment; New materials	www.pdsgxq.gov.cn
			平顶山高新技术产业开发区				
48	Henan	Jiaozuo	Jiaozuo High-Tech Industry Development Zone	1992	2015	Equipment manufacturing; New materials; Electronic information	
			焦作高新技术产业开发区				
49	Hubei	Wuhan	Wuhan Donghu High-Tech Development Zone	1988	1991	Optoelectronic information; Biology; Equipment manufacturing	wehdz.gov.cn
			武汉东湖新技术开发区				
50	Hubei	Xiangyang	Xiangyang High-Tech Industry Development Zone	1992	1992	Automobile; Equipment manufacturing; New energy;	xygx.gov.cn

			襄阳高新技术产业开发区			New materials	
51	Hubei	Yichang	Yichang High-Tech Industry Development Zone	1988	2010	New materials; Advanced manufacturing; Paper products; Salt chemicals	yckfq.gov.cn
			宜昌高新技术产业开发区				
52	Hubei	Xiaogan	Xiaogan High-Tech Industry Development Zone	1989	2012	Opto-Mechatronics; Advanced manufacturing; Paper products; Salt chemicals	xgqxq.gov.cn
			孝感高新技术产业开发区				
53	Hubei	Jingmen	Jingmen High-Tech Industry Development Zone	2000	2013	Renewable resources utilization; Environmental protection; Equipment manufacturing; Biology	duodao.gov.cn
			荆门高新技术产业开发区				
54	Hubei	Xiantao	Xiantao High-Tech Industry Development Zone	1991	2015	New materials; Biological medicine; Electronic information	xtgxq.cnxiantao.com
			仙桃高新技术产业开发区				
55	Hubei	Suizhou	Suizhou High-Tech Industry Development Zone	2001	2015	Automobile and parts; Agricultural products deep processing; Electronic information	suizhougxq.gov.cn
			随州高新技术产业开发区				
56	Hunan	Changsha	Changsha High-Tech Industry Development Zone	1988	1991	Equipment manufacturing; Electronic information; New materials	cshtz.gov.cn
			长沙高新技术产业开发区				
57	Hunan	Zhuzhou	Zhuzhou High-Tech Industry Development Zone	1992	1992	Railway transportation equipment; Automobile; Biological medicine	zzgxq.gov.cn
			株洲高新技术产业开发区				
58	Hunan	Xiangtan	Xiangtan High-Tech Industry Development Zone	1992	2009	New energy equipment; Steel processing; Intelligent equipment	xthtz.xiangtan.gov.cn
			湘潭高新技术产业开发区				
59	Hunan	Yiyang	Yiyang High-Tech Industry Development Zone	1995	2011	Electronic information; Equipment manufacturing; New materials	yygxq.gov.cn
			益阳高新技术产业开发区				
60	Hunan	Hengyang	Hengyang High-Tech Industry Development Zone	1992	2012	Electronic information; Electric machinery and equipment; General equipment	hygx.gov.cn
			衡阳高新技术产业开发区				
61	Hunan	Chenzhou	Chenzhou High-Tech Industry	2003	2015	Deep processing of non-	czepz.czs.gov.cn

			Development Zone			ferrous metal; Electronic information; Equipment manufacturing	
			郴州高新技术产业开发区				
62	Inner Mongolia	Baotou	Baotou Rare Earth High-Tech Industry Development Zone	1992	1992	Rare earth materials & application; Aluminum, copper, magnesium and processing; Equipment manufacturing	rev.gov.cn
			包头稀土高新技术产业开发区				
63	Inner Mongolia	Hohhot	Hohhot Jinshan High-Tech Industry Development Zone	2002	2015	Dairy products; Chemicals	
			呼和浩特金山高新技术产业开发区				
64	Jilin	Changchun	Changchun High-Tech Industry Development Zone	1991	1991	Automobile; Equipment manufacturing; Biological medicine	ccxq.gov.cn
			长春高新技术产业开发区				
65	Jilin	Changchun	Changchun Jingyue High-Tech Industry Development Zone	1995	2012	High technology; Culture	jingyue.gov.cn
			长春净月高新技术产业开发区				
66	Jilin	Jilin	Jilin High-Tech Industry Development Zone	1992	1992	Chemicals; Automobile & parts; Electronics	jlhitech.gov.cn
			吉林高新技术产业开发区				
67	Jilin	Yanji	Yanji High-Tech Industry Development Zone	1993	2010	Medicine; Food	gxq.yanjinews.com
			延吉高新技术产业开发区				
68	Jilin	Tonghua	Tonghua Medical High-Tech Industry Development Zone	2005	2013	Medicine	gxq.tonghua.gov.cn
			通化医药高新技术产业开发区				
69	Jiangsu	Nanjing	Nanjing High-Tech Industry Development Zone	1988	1991	Software; Electronic information; Biological medicine	
			南京高新技术产业开发区				
70	Jiangsu	Suzhou	Suzhou High-Tech Industry Development Zone	1990	1992	Electronic information; Equipment manufacturing; New energy	snd.gov.cn
			苏州高新技术产业开发区				
71	Jiangsu	Suzhou	Kunshan High-Tech Industry Development Zone	1994	2010	Electronic information; Robot; Equipment	

			昆山高新技术产业开发区			manufacturing	
72	Jiangsu	Suzhou	Suzhou Industrial Park	1994	1994	Electronic information; Machinery manufacturing; Biological medicine; Artificial intelligence; Nanotechnology	sipac.gov.cn
			苏州工业园				
73	Jiangsu	Wuxi	Wuxi High-Tech Industry Development Zone	1992	1992	Electronic equipment; Electric machinery and equipment	wnd.gov.cn
			无锡高新技术产业开发区				
74	Jiangsu	Wuxi	Jiangyin High-Tech Industry Development Zone	1992	2011	New materials; Microelectronic integrated circuit; Medicine	
			江阴高新技术产业开发区				
75	Jiangsu	Changzhou	Changzhou High-Tech Industry Development Zone	1992	1992	Equipment manufacturing; New materials; Photovoltaic	cznd.changzhou.gov.cn
			常州高新技术产业开发区				
76	Jiangsu	Changzhou	Changzhou Wujin High-Tech Industry Development Zone	1996	2012	Electronic equipment; Electric machinery and equipment; General equipment	wj.gov.cn/wjgxq
			武进高新技术产业开发区				
77	Jiangsu	Taizhou	Taizhou Medical High-Tech Industry Development Zone	1992	2009	Chemicals; Electronic information; Biological medicine	tzgxq.taizhou.gov.cn
			泰州医药高新技术产业开发区				
78	Jiangsu	Xuzhou	Xuzhou High-Tech Industry Development Zone	1992	2012	General equipment; Electronic equipment; Automobile	xzgxq.gov.cn
			徐州高新技术产业开发区				
79	Jiangsu	Nantong	Nantong High-Tech Industry Development Zone	1992	2013	General equipment; Transportation equipment; Textile, clothing, shoes and hats	
			南通高新技术产业开发区				
80	Jiangsu	Zhenjiang	Zhenjiang High-Tech Industry Development Zone	2006	2014	Ships and equipment; General equipment; Electrical machinery and equipment	
			镇江高新技术产业开发区				
81	Jiangsu	Yancheng	Yancheng High-Tech Industry Development Zone	2006	2015	Intelligence terminal; Equipment manufacturing; New energy	yandu.gov.cn
			盐城高新技术产业开发区				

82	Jiangsu	Jiangsu	Yangzhou High-Tech Industry Development Zone	2003	2015	Numerical control equipment; Biotechnology; Photoelectric	hj.gov.cn/gxq
			扬州高新技术产业开发区				
83	Jiangsu	Jiangsu	Changshu High-Tech Industry Development Zone	2003	2015	General equipment; Computer; Electronic equipment	china-csdz.com
			常熟高新技术产业开发区				
84	Jiangsu	Lianyungang	Lianyungang High-Tech Industry Development Zone	1997	2015	Equipment manufacturing; Software; Information services	gxq.lyg.gov.cn
			连云港高新技术产业开发区				
85	Jiangxi	Nanchang	Nanchang High-Tech Industry Development Zone	1991	1992	Biological medicine; Electronic information; New materials	nchdz.com
			南昌高新技术产业开发区				
86	Jiangxi	Xinyu	Xinyu High-Tech Industry Development Zone	2001	2010	New energy; Steel equipment; New materials	xyhdz.gov.cn
			新余高新技术产业开发区				
87	Jiangxi	Jingdezhen	Jingdezhen High-Tech Industry Development Zone	1994	2010	Aviation; Household appliances; Chemicals	jdzgxq.gov.cn
			景德镇高新技术产业开发区				
88	Jiangxi	Yingtang	Yingtang High-Tech Industry Development Zone	2001	2012	Copper-based new materials; Green hydraulic; Intelligent terminal	ythdz.gov.cn
			鹰潭高新技术产业开发区				
89	Jiangxi	Fuzhou	Fuzhou High-Tech Industry Development Zone	1992	2015	Automobile and parts; Biopharmaceutical; Electronic information	fzgxq.gov.cn
			抚州高新技术产业开发区				
90	Jiangxi	Ji'an	Ji'an High-Tech Industry Development Zone	1993	2015	Electronic information; Precision machinery; Green food	jagxq.com/zhyq
			吉安高新技术产业开发区				
91	Jiangxi	Ganzhou	Ganzhou High-Tech Industry Development Zone	2001	2015	Tungsten new materials; Rare earth; Food	gzgxq.ganzhou.gov.cn/
			赣州高新技术产业开发区				
92	Liaoning	Shenyang	Shenyang High-Tech Industry Development Zone	1988	1991	Information technology; Intelligent manufacturing; Biological medicine	hunnan.gov.cn
			沈阳高新技术产业开发区				
93	Liaoning	Dalian	Dalian High-Tech Industrial Zone	1991	1991	Software	dlhitech.gov.cn

			大连高新技术产业园区				
94	Liaoning	Anshan	Anshan High-Tech Industry Development Zone 鞍山高新技术产业开发区	1990	1992	Industrial automation; System control; Laser	asht-zone.gov.cn
95	Liaoning	Yingkou	Yingkou High-Tech Industry Development Zone 营口高新技术产业开发区	1992	2010	Equipment manufacturing; New materials; Information technology	ykhi-tech.gov.cn
96	Liaoning	Liaoyang	Liaoyang High-Tech Industry Development Zone 辽阳高新技术产业开发区	1992	2010	Arene & fine chemicals; Industrial aluminum	
97	Liaoning	Benxi	Benxi High-Tech Industry Development Zone 本溪高新技术产业开发区	2010	2012	Biological medicine	cnmc.gov.cn
98	Liaoning	Fuxin	Fuxin High-Tech Industry Development Zone 阜新高新技术产业开发区	1992	2013	Hydraulic equipment; Agriculture products processing; Electronic information	fxdz.gov.cn
99	Liaoning	Jinzhou	Jinzhou High-Tech Industry Development Zone 锦州高新技术产业开发区	1992	2015	Auto parts; Fine chemicals; Food	jzssxq.gov.cn
100	Ningxia	Yinchuan	Yinchuan High-Tech Industry Development Zone 银川高新技术产业开发区	2003	2010	Equipment manufacturing; Medicine; Food	www.ycda.gov.cn
101	Ningxia	Shizuishan	Shizuishan High-Tech Industry Development Zone 石嘴山高新技术产业开发区	2002	2013	New materials; Equipment manufacturing; Textile	gxq.nxszs.gov.cn
102	Qinghai	Xining	Qinghai High-Tech Industry Development Zone 青海高新技术产业开发区	2002	2010	Fine chemicals; Non-ferrous metal; Biological medicine	qhgxq.com
103	Shandong	Jinan	Jinan High-Tech Industry Development Zone 济南高新技术产业开发区	1988	1991	Electronic information; Biological medicine; Intelligent equipment	innovation.jinan.gov.cn
104	Shandong	Weihai	Weihai Torch High-Tech Industry Development Zone	1991	1991	Medical devices; Medicine; Electronic information; New	whctp.gov.cn

			威海火炬高技术产业开发区			materials	
105	Shandong	Qingdao	Qingdao High-Tech Industry Development Zone	1992	1992	Software information; Medicine; Intelligent manufacturing	qdhitech.gov.cn
			青岛高新技术产业开发区				
106	Shandong	Weifang	Weifang High-Tech Industry Development Zone	1992	1992	Power equipment; Acoustic optical; Life health	wfgx.gov.cn
			潍坊高新技术产业开发区				
107	Shandong	Zibo	Zibo High-Tech Industry Development Zone	1992	1992	New materials; Biological medicine; Equipment manufacturing	china-zibo.gov.cn
			淄博高新技术产业开发区				
108	Shandong	Jining	Jining High-Tech Industry Development Zone	1992	2010	Engineering machinery; Biopharmaceutical; New materials	jnhn.gov.cn
			济宁高新技术产业开发区				
109	Shandong	Dezhou	Dezhou High-Tech Industry Development Zone	1993	2015	Biology; Machinery; New materials	
			德州高新技术产业开发区				
110	Shandong	Shihezi	Linyi High-Tech Industry Development Zone	1992	2011	Electronic information; Equipment manufacturing; New materials	lyctp.gov.cn
			临沂高新技术产业开发区				
111	Shandong	Yantai	Yantai High-Tech Industry Development Zone	1990	2010	Information technology; Auto parts; Marine life and pharmaceutical	ytxq.gov.cn
			烟台高新技术产业开发区				
112	Shandong	Tai'an	Tai'an High-Tech Industry Development Zone	1994	2012	Transmission and transformation equipment; Mining equipment; Automobile and parts	taiandz.gov.cn
			泰安高新技术产业开发区				
113	Shandong	Zaozhuang	Zaozhuang High-Tech Industry Development Zone	1988	2015	New information; New energy; New medicine	zzctp.gov.cn
			枣庄高新技术产业开发区				
114	Shandong	Laiwu	Laiwu High-Tech Industry Development Zone	2001	2015	Automobile and parts; Electronic information; New materials	gxq.laiwu.gov.cn
			莱芜高新技术产业开发区				
115	Shanghai	Shanghai	Shanghai Zhangjiang High-Tech Industry Development Zone	1992	1992	Electronic information; Biological medicine; Opto-	zjsfq.gov.cn

			上海张江高新技术产业开发区			mechatronic integration	
116	Shanghai	Shanghai	Shanghai Zizhu High-Tech Industry Development Zone	2001	2011	Integrated circuit; Software; New energy; Aviation	zizhupark.com
			上海紫竹高新技术产业开发区				
117	Shanxi	Taiyuan	Taiyuan High-Tech Industry Development Zone	1991	1992	Opto-mechatronic integration; New materials; New energy	
			太原高新技术产业开发区				
118	Shanxi	Changzhi	Changzhi High-Tech Industry Development Zone	1992	2015	Coal chemical; Equipment manufacturing; Biological medicine	czctp.gov.cn
			长治高新技术产业开发区				
119	Shaanxi	Xi'an	Xi'an High-Tech Industry Development Zone	1991	1991	Semi-conductor; Intelligent terminal; Equipment manufacturing	xdz.gov.cn
			西安高新技术产业开发区				
120	Shaanxi	Baoji	Baoji High-Tech Industry Development Zone	1992	1992	Advanced manufacturing; New materials; Electronic information	bjgx.gov.cn
			宝鸡高新技术产业开发区				
121	Shaanxi	Xianyang	Yangling Agricultural High-Tech Industry Demonstration Zone	1997	1997	Green food; Biological medicine; Agricultural equipment	ylagri.gov.cn
			杨凌农业高新技术产业示范区				
122	Shaanxi	Weinan	Weinan High-Tech Industry Development Zone	1988	2010	Fine chemicals; Equipment manufacturing; New energy; New materials	whnz.gov.cn
			渭南高新技术产业开发区				
123	Shaanxi	Yulin	Yulin High-Tech Industry Development Zone	1999	2012	Coal Chemicals	ylgxq.gov.cn
			榆林高新技术产业开发区				
124	Shaanxi	Xianyang	Xianyang High-Tech Industry Development Zone	1992	2012	Electronic information; Biopharmaceutical; Composite material	xygxq.gov.cn
			咸阳高新技术产业开发区				
125	Shaanxi	Ankang	Ankang High-Tech Industry Development Zone	2000	2015	Selenium-rich food; Biological medicine; New materials	sxakhidz.gov.cn
			安康高新技术产业开发区				
126	Sichuan	Chengdu	Chengdu High-Tech Industry Development Zone	1988	1991	Information technology; Equipment manufacturing; Biology	cdht.gov.cn
			成都高新技术产业开发区				

127	Sichuan	Mianyang	Mianyang High-Tech Industry Development Zone	1992	1992	Electronic information; Automobile and parts; New materials	myht.gov.cn
			绵阳高新技术产业开发区				
128	Sichuan	Zigong	Zigong High-Tech Industry Development Zone	1992	2011	Energy saving and environmental protection; Equipment manufacturing; New materials	zggx.gov.cn
			自贡高新技术产业开发区				
129	Sichuan	Leshan	Leshan High-Tech Industry Development Zone	1992	2012	New energy equipment; Electronic information; Biological medicine	lship.gov.cn
			乐山高新技术产业开发区				
130	Sichuan	Luzhou	Luzhou High-Tech Industry Development Zone	1993	2015	Equipment manufacturing; New energy; New materials; Medicine	gxq.luzhou.gov.cn
			泸州高新技术产业开发区				
131	Sichuan	Panzhihua	Panzhihua Vanadium Titanium High-Tech Industry Development Zone	2000	2015	Vanadium titanium steel; Chemicals; Nonferrous metal processing	ft.panzhihua.gov.cn
			攀枝花钒钛高新技术产业开发区				
132	Sichuan	Deyang	Deyang High-Tech Industry Development Zone	1991	2015	General aviation; Medicine; Food	dyht.gov.cn
			德阳高新技术产业开发区				
133	Tianjin	Tianjin	Tianjin Binhai High-Tech Industry Development Zone	1988	1991	New energy; Information technology; Energy saving & environmental protection	tht.gov.cn
			天津滨海高新技术产业开发区				
134	Xinjiang	Urumqi	Urumqi High-Tech Industry Development Zone	1992	1992	New materials; Electronic information; Biological medicine	uhdz.gov.cn
			乌鲁木齐高新技术产业开发区				
135	Xinjiang	Changji	Changji High-Tech Industry Development Zone	1992	2010	Equipment manufacturing; Biotechnology; New materials	gxq.cj.cn
			昌吉高新技术产业开发区				
136	Xinjiang	Shihezi	Xinjiang Production and Construction Corps Shihezi High-Tech Industry Development Zone	2010	2013	Information technology; General aviation; Energy saving and environmental pro	-
			新疆生产建设兵团石河子高新技术产业开发区				

137	Yunnan	Yunnan	Kunming High-Tech Industry Development Zone	1992	1992	Biological medicine; New materials; Equipment manufacturing	gxq.km.gov.cn
			昆明高新技术产业开发区				
138	Yunnan	Yunnan	Yuxi High-Tech Industry Development Zone	1992	2012	Equipment manufacturing	gxq.yuxi.gov.cn
			玉溪高新技术产业开发区				
139	Zhejiang	Hangzhou	Hangzhou High-Tech Industry Development Zone	1990	1991	Information technology; Life health; Energy saving and environmental protection	hhtz.gov.cn
			杭州高新技术产业开发区				
140	Zhejiang	Hangzhou	Xiaoshan Linjiang High-Tech Industry Development Zone	2003	2015	Equipment manufacturing; Automobile; New energy; New materials	
			萧山临江高新技术产业开发区				
141	Zhejiang	Ningbo	Ningbo High-Tech Industry Development Zone	1999	2007	Electronic information; New energy; Energy saving and environmental protection; New materials	nbhtz.gov.cn
			宁波高新技术产业开发区				
142	Zhejiang	Shaoxing	Shaoxing High-Tech Industry Development Zone	1992	2010	New materials; Electronic information; Environmental protection	
			绍兴高新技术产业开发区				
143	Zhejiang	Wenzhou	Wenzhou High-Tech Industry Development Zone	1999	2012	Laser and photoelectric; e-Commerce; Software	www.longwan.gov.cn
			温州高新技术产业开发区				
144	Zhejiang	Quzhou	Quzhou High-Tech Industry Development Zone	2002	2013	Fluorine, silicon and cobalt mew materials	qzhou.q.chemnet.com
			衢州高新技术产业开发区				
145	Zhejiang	Huzhou	Huzhou Moganshan High-Tech Industry Development Zone	1992	2015	Biological medicine; Equipment manufacturing; Geographic information	mhtz.gov.cn
			湖州莫干山高新技术产业开发区				
146	Zhejiang	Jiaying	Jiaying Xiuzhou High-Tech Industry Development Zone	1997	2015	Intelligent manufacturing; New energy; New materials	xxgk.xiuzhou.gov.cn

B. The History of National High-Tech Zones in China

In December 1987, a policy research team composed of the State Scientific and Technological Commission, the State Education Commission, the Chinese Academy of Sciences, the China Association for Science and Technology, the Beijing Municipal Science & Technology Commission, the Haidian district government, and the Central Policy Research Office of General Office of the Communist Party of China surveyed the Electronics Avenue, which is famous for its information technology market, in the Zhongguan Village. The team submitted “A Report about the Electronics Avenue” to the Central Committee (i.e., the central government) and suggested to build a new technology development zone in the Zhongguan Village.

On May 10, 1988, the State Council approved the Provisional Regulations of Beijing New Technology Industry Development Experimental Zone. China’s first national high-tech zone was established in the Zhongguan Village, Beijing.

From August 6 to 8, 1988, the State Scientific and Technological Commission convened the first working meeting of the “Torch Program” in Beijing. The “Torch Program”, which was launched by the Ministry of Science and Technology of China with the main goal of establishing national high-tech zones, became effective.

On August 8, 1988, the State Administration of Taxation issued the *Notice about Giving Product Tax Reduction and Value-added Tax Privilege to the High-tech or New-tech Products Belonging to the Torch Program*.

On February 20 and 21, 1990, Mr. LI Peng, the Premier of the State Council, hosted a State Council meeting, which discussed the development of national high-tech zones, decided to approve 20 more of national high-tech zones in China, and formulated preferential policies for these national high-tech zones.

On March 6, 1991, the State Council certified another 26 national high-tech zones. The State Council issued the *Notice on the National High-tech Zone and Related Policies with Three Annexes* (Annex I, “Conditions and Measures for the Identification of High-tech Enterprises in National High-tech Zones”, Annex II, “Interim Provisions on Certain Policies in National High-tech Zones”, and Annex III, “Tax Policies for National High-tech Zones”).

On September 5, 1991, the State Scientific and Technological Commission and the State Commission for Restructuring the Economic System issued the *Decision about Deepening the Reform of High-tech Zones and Promoting the Development of High-tech Industry*.

On September 21, 1991, the General Administration of Customs of the People's Republic of China issued *Regulations of Customs of the People's Republic of China for Import and Export Goods of National High-tech Zones*.

On October 7, 1991, the General Administration of Customs of China issued *Regulations for Import and Export Trade of National High-tech Zones* and decided to give preferential policies to import and export goods of national high-tech zones.

On November 9, 1992, the State Council approved the construction of 25 national high-tech zones.

In January and February 1996, the State Science and Technology Commission issued several documents including *Conditions and Measures for the Identification of High-Tech Enterprises Outside the National High-Tech Zone* and *Interim Rules of Administration of the National High-Tech Zone*.

On January 8, 2007, Ningbo National High-Tech Zone was established under the approval of the State Council. The number of national high-tech zones in China increased to 54.

In 2008, the total operating income of firms in the national high-tech zone exceeded 6 trillion RMB and the industrial value-added generated by these firms accounted for 9% of China's total industrial value-added for the first time in the history.

On March 18, 2009, the Xiangtan high-tech zone and the Taizhou high-tech zone were upgraded to national high-tech zones under the approval of the State Council.

On October 23, 2009, a new stock exchange in China, the Growth Enterprise Market, was opened in Shenzhen. Among the first 28 listed companies, 24 were located in national high-tech zones.

On September 27, 2010, the State Council approved that 13 provincial high-tech zones were upgraded to national high-tech zones.

On November 29, 2010, the State Council approved that another 14 provincial high-tech zones were upgraded to national high-tech zones.

C. Additional Tests

Table C1. Subsample Test: Exclude High-tech Zones Established after China Joined WTO

This table shows the results of a sub-sample DiD test in which cities with national high-tech zones established after 2001, when China joined WTO, and their matched control cities are excluded. The treatment and control groups of cities before the exclusion are the same as in Table 3. Standard errors are given in parentheses below the mean differences in innovation and entrepreneurial activities.

	Mean treatment Difference (after-before)	Mean Control Difference (after-before)	Mean DiD Estimator (treat-control)	t-statistic for DiD
<i>P_Apply</i>	19.644 (0.589)	4.394 (3.526)	15.250 (3.575)	4.266
<i>P_Grant</i>	7.037 (0.273)	1.433 (1.846)	5.604 (1.866)	3.003
<i>P_Cite</i>	0.646 (0.030)	0.095 (0.128)	0.551 (0.131)	4.191
<i>F_Est</i>	1.691 (0.131)	0.783 (0.263)	0.908 (0.294)	3.087

Table C2. Subsample Test: Excluding Nearby Cities in the Control Group

This table shows the results of a sub-sample DiD test in which cities that are within a 250-kilometer radius of a city with a national high-tech zone are excluded from the control group. In total, there are 182 cities in the sample. The treatment and control groups of cities before the exclusion are the same as in Table 3. Standard errors are reported in parentheses below the mean differences in innovation and entrepreneurial activities.

	Mean treatment Difference (after-before)	Mean Control Difference (after-before)	Mean DiD Estimator (treat-control)	t-statistic for DiD
<i>P_Apply</i>	25.341 (1.258)	6.161 (5.487)	19.180 (5.629)	3.407
<i>P_Grant</i>	10.470 (0.586)	2.616 (2.903)	7.854 (2.962)	2.652
<i>P_Cite</i>	0.513 (0.024)	0.035 (0.117)	0.478 (0.119)	4.002
<i>F_Est</i>	1.355 (0.078)	0.197 (0.267)	1.158 (0.278)	4.163

Table C3. Subsample Test: Excluding Eastern Cities

This table shows the results of a sub-sample DiD test excluding cities located in eastern China, including Beijing, Tianjin, Shanghai, and other cities located in Guangdong, Hainan, Fujian, Zhejiang, Jiangsu, Shandong, Hebei, and Liaoning provinces.²⁵ The treatment and control groups of cities before the exclusion are the same as in Table 3. Cities Standard errors are reported in parentheses below the mean differences in innovation and entrepreneurial activities.

	Mean treatment Difference (after-before)	Mean Control Difference (after-before)	Mean DiD Estimator (treat-control)	t-statistic for DiD
<i>P_Apply</i>	13.073 (0.788)	4.170 (2.643)	8.903 (2.758)	3.228
<i>P_Grant</i>	3.551 (0.300)	1.285 (1.066)	2.266 (1.107)	2.046
<i>P_Cite</i>	0.252 (0.019)	0.029 (0.097)	0.223 (0.099)	2.256
<i>F_Est</i>	1.009 (0.063)	0.261 (0.161)	0.748 (0.173)	4.327

²⁵ This is a well-received classification of geographic regions in China and is used by many international organizations such as the United Nations Children’s Fund (see their website, <https://www.unicef.cn/en/figure-11-geographic-regions-china>).

Table C4. Subsample Test: Excluding Cities with Bullet-Train Stations

This table shows the results of a sub-sample DiD test in a sample that excludes treatment cities with bullet-train (or, high-speed train) stations introduced before the establishment of a national high-tech zone as well as their matched control cities. The treatment and control groups of cities before the exclusion are the same as in Table 3. We collect the information of the bullet-train stations and their opening year from the Annual Issue of Railway Transportation published by the Ministry of Railways. Cities Standard errors are reported in parentheses below the mean differences in innovation and entrepreneurial activities.

	Mean treatment Difference (after-before)	Mean Control Difference (after-before)	Mean DiD Estimator (treat-control)	t-statistic for DiD
<i>P_Apply</i>	25.282 (1.267)	6.160 (5.490)	19.122 (5.634)	3.394
<i>P_Grant</i>	10.775 (0.591)	2.621 (2.918)	8.154 (2.977)	2.739
<i>P_Cite</i>	0.511 (0.024)	0.035 (0.118)	0.476 (0.12)	3.953
<i>F_Est</i>	1.304 (0.078)	0.192 (0.266)	1.112 (0.277)	4.012

Table C5. Controlling for Plausible Underlying Channels and the Shapley-Owen Decomposition of R²

This table reports the results for the DiD test after controlling for plausible underlying channels through which the establishment of national high-tech zones affects local innovation and entrepreneurship. *Treat* is a dummy that equals one for treatment cities and zero for control cities. *Post* is a dummy that equals one if a city-year observation is from the period after the establishment year and zero otherwise. Channel variables including *Income_Tax_Ratio*, *VC_seed&A_AMNT*, *Avg_Premium_Rate*, *Gross_Adm_Exp*, *College_Student* are introduced in Tables 8-10. Columns (2), (4), (6), and (8) show the value of Shapley-Owen decomposition of R² for each variable. Coefficient estimates are shown below, and their standard errors are clustered by city and displayed in parentheses below. ***, **, and * indicate significance at the 1%, 5%, and 10% levels, respectively.

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	<i>P_Apply</i>	Shapley-Owen value (%)	<i>P_Grant</i>	Shapley-Owen value (%)	<i>P_Cite</i>	Shapley-Owen value (%)	<i>F_Est</i>	Shapley-Owen value (%)
<i>Treat_Post</i>	21.354 (26.710)	6.31	14.066 (9.219)	7.62	0.125 (0.100)	8.27	2.326 (1.455)	4.67
<i>Treat</i>	28.148 (26.125)	5.15	7.032 (9.017)	6.35	0.093 (0.098)	8.18	-1.010 (1.423)	3.97
<i>Post</i>	35.262* (20.253)	1.17	8.468 (6.990)	0.94	-0.053 (0.076)	0.18	-2.221** (1.103)	0.28
<i>Income_Tax_Ratio</i>	-8.460*** (0.953)	7.79	-2.211*** (0.329)	4.68	0.001 (0.004)	0.36	-0.127** (0.052)	2.67
<i>VC_seed&A_AMNT</i>	4.108*** (0.364)	19.74	1.938*** (0.126)	25.42	0.015*** (0.001)	18.5	0.226*** (0.020)	29.6
<i>Avg_Premium_Rate</i>	2.608*** (0.417)	2.9	1.010*** (0.144)	3.31	0.014*** (0.002)	6.57	0.097*** (0.023)	2.7
<i>Gross_Adm_Exp</i>	-2.838*** (0.963)	1.44	-0.196 (0.333)	0.4	0.030*** (0.004)	5.77	-0.085 (0.052)	0.67
<i>College_Student</i>	0.724*** (0.026)	55.49	0.240*** (0.009)	51.28	0.002*** (0.000)	52.17	0.027*** (0.001)	55.44
<i>Constant</i>	189.652*** (26.532)		48.782*** (9.158)		-0.028 (0.099)		6.825*** (1.446)	
Observations	2,770		2,770		2,770		2,770	
R-squared	0.429		0.45		0.374		0.258	
PSM	Yes		Yes		Yes		Yes	