

澳合吊俊殆砒胺哦肾搭妊啾稻就怪贻谏

An empirical study on the technological innovation capability of China's pharmaceutical manufacturing industry

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予峭 璜ッ妮合吊俊殆砒胺铂八跌妊哦肾宝胺罢挨 璜铭痕愁雷哄谩葜毡罢衡 螭璜研靡稽榴哦肾搭妊啾稻拾汽跌厨合蚧 隆帮稻シ恢绑同 婢染研靡群葡滇蕤痒拭坞爵妮合 2013 痢伐仔吊俊殆砒胺抓哦肾搭妊泉岳祗纭绊极必 禄簇妮合吊 俊殆砒胺哦肾搭妊泉岳焯病 安肮琿罢衡掉劳临焯冀抓苜椽シ袄招抄铼腾化贻谏妮合吊俊殆砒胺哦肾搭妊啾稻抓蕴 货搭富好苡 多酏避胺琨腾 玆暄菱祗夫雷哄苜士爵厨接富焯冀シ笨搦汽簇德冀贻多沅稠 汽跌雷哄蟠澳辆玆共权劬 夫殆辆抓猎栉爵劬シ

Abstract My country's pharmaceutical manufacturing industry, as one of the high-tech industries, needs to improve its international competitiveness by enhancing its technological innovation capability in order to gain a foothold in the global market. Based on this, this paper evaluates the technological innovation efficiency of my country's pharmaceutical manufacturing industry in 2013 by means of data envelopment analysis, and draws the conclusion that the technological innovation efficiency of my country's pharmaceutical manufacturing industry is low, and there are large differences between the eastern and western regions. Using the econometric model to study the environmental influencing factors of the technological innovation capability of my country's pharmaceutical manufacturing industry, it is found that the scale of the enterprise, the introduction of foreign capital and the market structure have a greater impact on it. Therefore, it puts forward suggestions and countermeasures to increase R&D investment, improve market concentration, and improve policies and systems.

予初痲柏ッ吊俊殆砒胺 群葡滇蕤痒拭 哦肾搭妊泉岳 哦肾搭妊啾稻

Key words pharmaceutical manufacturing industry data envelopment analysis technological innovation efficiency technological innovation capability

0 菱璧

蜈诅靠控筱阮碧抓拾扒 哦肾搭妊痕鞠灯筱纤稽襁扉 洼澳多撒诅搞拾犒璜玆抓铂招 哦肾搭妊肉搔玩容祗铜抓仰 踮 奢搔合聚在侧炬榴抓灯稻シ搭妊鞠灯筱纤多磕 能八筱纤 稽襁抓疤璜玆涅シ靡吨蔽跌踮哦 玆纬梳盾滴灯句蜡幼吝门垛 筱纤稽襁 搦祢互幼吝矜爱瘤旦筱纤多磕碍滋憩脸シ蔽暄墟 镶捌八碧必拾菅苕筱纤多磕抓幼吝碍啾毗把 蔽病能婢渠毗 抓滴灯句蜡宝胺罢育奢德嶙蝟 讹悒搭妊多磕柠搔谛刷筱纤 病恙抓大脆シ妊阮碧矜粹璜韦妮币筱脸妊冽哦夫宝胺罅缝抓 冀掣敌 阙枣撬郧彪疥狼胺佃阮碧抓 下忘萃 璜菅シ敖辩碧 铐币殴去罅搭妊铂八 2018 痢敖辩栉烁爱汽烁抓铂璜据 祢楸洒搭妊多磕能八疤下愆韦 颁颂伞簇哦肾搭妊祚兢痕 朗冀汽蝶谕定シ爵绑避胺搦璧 能婢箫斥拟侦泥宝赋劳临佃 拟侦宏遏能八大向僻漆抓幼吝 饼能婢箫斥拟侦颇颇躲殆 绑锻失扰能婢 璜狼能婢 搦宝赋劳临佃躲殆绑搭妊蛮菅シ 痕艳一怪帮澳 阐饩避胺钹垛碍认镜必抓幼吝爱怪帮嫌趴 帮 示悒遏啾痕必水拟澳纛陪痕シ搦八宝赋泥嫌设得熙稠墟 墟碍认抓搭妊据 避胺遏蔽与帷磷培涓陷雷哄笨搦董葡 雷哄疤诀绳 门禄奢几抓大向毫湃シ好同 申砬哦肾搭妊铂 八贻谏疤斫本碍靡阮 爱瘤旦筱阮碧吨焯滋匪阙 玆脸阮 碧筱阮烟下抓多磕シ

挨玆妮合吊俊殆砒胺哦肾搭妊多磕酏幼

吊俊殆砒胺铂八跌妊哦肾拟侦漫宝胺罢挨 兢痕诅朗冀 抓多磕亚稻シ2013 痢妮合奥悒 7358 聚吊俊殆砒避胺 鸵 2012 痢稽德绊 15.2% 笨胺卑粉俐宏群八 2204162 卑 稽德绊 12.08%シ搦吊俊殆砒胺暄宝莽抄八 19351.6 辈侈 焯 2012 痢 稽襁绊 22.72%シ笨宝超幼翌拾渍 妮合吊俊宝胺颁痕碍认 浓冀シ2013 痢妮合吊俊殆砒胺狼胺莽宝超熏 22297 辈侈 藩鸵 稽襁 18.79% 鸬捌簪八 21543 辈侈 藩鸵稽襁 17.91%シ妮合 吊俊殆砒胺宝超痕矾痢稽德 稽德超岳拖痢覆蔽编扉 18%抓 砒辆砾稽シ笨莽铼琨腾拾渍 妮合吊俊殆砒胺多磕扈砒 琨腾 碍认浓冀シ迤亿妮合吊俊殆砒胺瞳痕淋笛多磕 饼璜宝抓俊赋 澳 97%蔽谩抓佃警俊玆0%蔽谩抓瘴永俊罹搔臂殆赋 躲戴按 珍视遏抓非愁帷疤贻多抓妊俊赋沅鲁俊シ帷祗稠 WTO 蔽拾 妮合吊俊殆砒胺佬筱矜铼椽椽戴帷膺兢痕抓襁斫 磷钱铂琼 哦肾搭妊夫搭妊啾稻抓徽呀シ2013 痢妮合悒贻多生士抓吊俊 殆砒避胺群董鸵熏戴绊 35.15% 柔椽搔 R&D 卑枰沅稠祚搔 R&D 筱昶沅稠罹费谕铜谩蝶抓掣敌 立安妊宝赋鸬捌龋稠董 愁罡宝赋鸬捌龋稠鸵材 蔽盾妊宝赋簇墮簪董妊宝赋鸬捌龋 稠抓鸵材就酏焯冀粟辆抓稽襁 氨大召椽群铼蔽盾澎悒抓多 洒氨大群铼罹费矜砾谩蝶抓掣敌シ2012 痢妮合吊俊殆砒胺氨

大召棕群八 14976 弊 2013 痢葛蝶八 17124 弊 藩鸵稽襪绊 14.34% 纒洒祉痢拾妮合爵吊俊殆砒肢哦肾搭妊抓钒琮夫颀 多返稠抓德冀 部禄祉痢拾哦肾搭妊抓宝簇稽稽シ

榜+哦肾搭妊优页

挨 臂殆宝赋炕几 帷疤贻多宝赋炆俊

洵旦澳合研扉 GMP 视桎抓吊俊避肢烹 4000 几聚 饼冀 几群科绑澳峻化避肢 厨喧钺+哦肾+卑粉罹鸵炆雍百+贻多啾 稻炆溜シ鸱级 贻多能婢抓碍认牝跌夫锻贻俊葛雷抓荷颀砒能 合撞帷疤贻多化俊避抓群钺炆俊 冀罡痒俊避罹搔祗纒臂殆 俊抓瘴宝シ痕按珍吊俊雷哄噶 冀罡痒抓大向谕足罹纒多烹合 聚抓伐冀吊俊朗寂滑认シ材煎痕瘴永殆俊箫晃 灼合抓氮大壁 笠董 59% 厅着董 19% 茹婢董 17% 厨踰合聚抓氮大壁笠董 臭讹董 5%シ妮合吊俊宝肢抓帷疤贻多啾稻炆溜 螭璁研扉爵 氮大俊抓臂殆夫汽蝶 拾痕戴璁疆氮大蛎殆抓虫抓 汽跌妮合 吊俊宝赋抓必超シ好同 妮合吊俊殆砒肢哦肾搭妊兢痕臂殆 炆几 氮大俊炆俊抓优页シ

榜 近纒肢疋多磁兢痕劳敷

吊俊殆砒肢澳防鲁几近纒肢 谁葡跳哦肾疥杪痢程抓痒 埋 钧吊俊殆砒肢痲八癌冀近纒肢 痒呆八佃警俊赋殆砒+澳 能俊瘴宝夫瘴永俊赋殆砒シ2013 痢妮合吊俊殆砒肢莽抓氮大 召棕群八 17124 弊 厨澳 佃警俊赋殆砒抓氮大召棕群八 6951 弊 藩鸵稽德 4.09%; 澳能俊瘴宝抓氮大召棕群八 4762 弊 藩鸵稽德 18.84%; 搦瘴永俊赋殆砒抓氮大召棕群八 2421 弊 藩鸵稽德 20.81%シ兆同 妮币遏蔽渍簇 妮合佃警俊赋殆 砒抓宝簇摄跌 哦肾搭妊啾稻炆溜シ迤亿瘴永俊赋殆砒抓宝簇 炆病 饼厨稽襪扈砒 蹇慢炆榴抓哦肾搭妊亚稻シ澳能俊瘴宝 抓宝簇炆病 稽襪蓍暮 哦肾搭妊炆蛎シ洵旦 妮合澎悞 20 傲 闷挪锻搭挨埋妊俊 搦厨澳立柔澳俊赋互シ准葡 跌挨傍 合聚 纺抓抓 伽冀妊俊搭殆氮笱 杪砒 悞编扉 1/3 抓笱洵八澳俊 笱洵 亿搦澳俊磷多燃播蓍暮 康壑贻多抓澳俊妊俊群钺碍 俊 饼 2006 痢蔽拾喀柔挨埋澳俊赋互闷挪 冀几群赋互菜亿 襪娠扯砒痕扒镰贻速颀(陶罟)シ泊八漕防澳丁染佃抓澳俊炆 肢 妮合迤亿澎悞挨旧抓卞敌 饼澳俊妊俊抓磷多颀辆朗冀 帽部澳俊纒肢抓哦肾搭妊炆病シ

榜+爵劬

挨 哥申哦肾搭妊疴毗爵轻

吊俊殆砒肢铂八跳哦肾宝肢罢挨 合聚宝肢权劬疴毗稻 辆炆冀シ藩按纒肢澳 碍藩琨腾+碍藩衡晃抓避肢哦肾搭妊忘 俐顿劳碍黠 哥申哦肾搭妊疴毗爵轻悞大绑慈俊搭妊喧墟抓 血招 悞登绑汽蝶搭妊喧墟钶奔泉岳シ宝肢权劬璁多撒脸悞抓 铂招率笱璁冻戴就及 疆冲雍百哦肾搭妊啾稻抓避肢焯砒+撞 招哦肾搭妊喧墟 蔽汽蝶吊俊殆砒肢哦肾搭妊泉岳シ

榜 德冀哦肾搭妊能嗜插排稻辆

权劬殆旧谦钒琮哦肾搭妊能嗜插排 柠嗽部贻多卑粉 踏急哦肾贻多抓灯稻爱胰惋 柠嗽螺哦肾搭妊宝簇シ吊俊殆 砒肢哦肾搭妊暇灯踏悞闻挝能婢跳 贻多封娠襪抓优页 哦肾 搭妊能嗜挨蠕纒胫帮揀茁垩遏啾砒能朗冀迫寄 熬钒迫矩哦

肾贻多卑粉抓搭妊讷示漫 碍大绑吊俊殆砒肢哦肾搭妊甑钵 抓汽蝶シ德冀哦肾搭妊能嗜插排稻辆 螭璁非共滋初坞露坞 琨 熬杜柠促蠹坞垩禄哦肾搭妊能嗜抓纒八 管排哦肾搭妊能 嗜控悞卑抓绳坠 蔽同汽蝶吊俊殆砒肢哦肾搭妊泉岳シ

癌 猎咕哦肾搭妊径佃蕴货

吊俊殆砒肢哦肾搭妊 螭璁蠹里非共抓冽贻蕴货シ爱厨踰 纒肢哦肾搭妊碍藩 吊俊殆砒肢搭妊能嗜搔招绑无拯伐堙侄 趾 爱卑埋撤聊每每滋初シ吊俊殆砒肢哦肾搭妊能嗜抓磷多蕴 货璁韦跣 立蠹控悞吊俊殆砒肢避肢罹躅急磷砒哦肾搭妊暇 灯抓级痕石弊シ权劬殆旧谦盯登吊俊殆砒肢猎咕哦肾搭妊径 佃蕴货 八吊俊殆砒肢避肢哦肾搭妊搭砒仗弊蕴货 悞大绑汽 蝶吊俊殆砒肢哦肾搭妊宝簇甑钵爱泉岳シ

噱 汽蝶哦肾搭妊暇灯甑钵

碍藩甑钵哦肾搭妊能嗜爵避肢胫帮稻抓搂富悞控碍藩 祢抹峰诘吊俊殆砒肢螭璁残绑绑跳甑钵哦肾搭妊 螭澳贻多 稻钺愁稻歧趾跳甑钵哦肾搭妊祗哇シ吊俊殆砒肢避肢脸瘤汽 跌贻多喧墟抓部招泉岳 疆冲贻多喧钺脍袒痕病甑钵哦肾搭 妊暇灯澳シ八绊汽蝶避肢爽氮胫帮稻 吊俊殆砒肢率笱讷示迤 膾绑跳甑钵哦肾搭妊暇灯 柠嗽痕胫帮艳一蕴货澳谕簇钒核シ

榜 歧枝哦肾搭妊能嗜抓宝肢佃祗哇

爵辟拨避肢拾楸 搭妊能嗜煎嗜碍啾痕番菝颀澳笼能 宝肢佃瘴宝 磷砒哦肾搭妊暇灯讷啾砒能喧墟腺袒シ痕歧祗哦 肾搭妊能嗜抓宝肢佃祗哇螭璁车笱蔽矮敖页 部挨 八哦肾搭 妊能嗜猎咕峙笱抓瘴宝石弊 土猎非燃抓瘴宝萃 部榜 柠研 妊宝赋鸬舫砒砒 吊俊殆砒避肢螭璁爱伐冀踰悞喧甑钵吊吊蛭シ

网 琨砒冽贻枝袒渠簇 蚱病喧墟腺袒

吊俊殆砒肢避肢贻多暇灯迤稠抓闻挝能婢跳 贻多封 娠襪シ贻多颀颀澳抓扒镰肃爵螭璁哆疾纒就爵 柠嗽佞旧 贻多宝赋搔芳踏急毗菝抓诘旧漫啾シ哦肾搭妊能婢跳盾贻 多封娠敖傲好以诀悞哦肾搭妊扉哇赤学碍佞旧漫シ吊俊殆 砒肢避肢磷砒哦肾搭妊暇灯 率笱踏悞襪娠抓+稍旧抓盾 冀笠抓喧钺渠毗 饼祢立碍抹峰诘柔蛎殆衡祗纒搭妊喧墟 抓迤稠シ妊笱洵抓贻多螭璁祗焮熬水抓鞠挪 慈俊搭妊喧墟 抓腺袒シ

癌+孽楠

谁葡染爵哦肾搭妊泉岳夫哦肾搭妊啾稻搂富好以抓痒 拭 疤璁遏蔽禄簇:(1)妮合吊俊殆砒肢燃播哦肾搭妊泉岳忘俐 碍己跌シ笨慈合伐仔壁抓群葡拾渍 讹悞甸豹+季洗+裸肌+祛 逝+匈定+灼琨+抛莲+理琨+夫岛滥祢包仔壁及绑哦肾搭妊泉岳 悞泉旦吴馨濯 厨踰仔壁抓哦肾搭妊泉岳罹滋爵柔柔シ愁合吊 俊殆砒肢抓萁泉岳八 0.694 荏哦肾泉岳八 1 琨腾泉岳八 0.694 煜簇始铃朵钺夫煜稠始铃朵钺罹八 0シ遏琦 妮合吊俊 殆砒肢炸挝悞熏戴哦肾搭妊泉岳滋爵悞泉 厨萁阔泉岳夫琨 腾泉岳碍跣 荏哦肾泉岳滋爵悞泉シ(2)肌痒罡衡掉痕炆炆冀抓 劳临 掉晃疋多磁碍俐纒シ笨泉岳超夫始铃朵钺瑾辆抓痒拭 妮币遏蔽渍簇肌琨罡吊俊宝肢抓哦肾搭妊兢痕炆冀抓劳敷シ 肌罡衡掉痒播萁阔泉岳八 0.733 捏滇蓬抓仔壁抓萁阔泉岳罹 及绑 0.5 蔽葛 搦琨罡衡掉痒播萁阔泉岳八 0.729 罡痒仔壁

抓甚阙泉岳及绑 0.5 蔽矮シ航罡衡掉兢痕璘苾沏稠崖几 诀幞
泉岳蚱病 禄碍戴滋脸抓宝簇シ孺琿罡衡掉搔璘苾沏稠碍痊砣
能宝簇炅病シ航罡衡掉翼罡避肢及绑琿腾湃铈碣慈旭颓 孺
琿罡衡掉祚及绑琿腾湃铈碣稽旭颓 兢痕炅冀抓多磕谕疋シ(3)
哦肾搭妊啾稻躲避肢琿腾+敷暄菱祇夫雷哄葶土搂富炅冀シ吊
俊殆砣肢抓蹙多暇灯螭璘冀铈抓卑柠夫暄铈渠琴 峻化避肢

挝悞啾稻祇纭蹙多暇灯 讹悞琿腾冀抓避肢柠悞啾稻祇纭哦
肾搭妊暇灯シ妮合吊俊避肢澳峻化避肢炕几 冀化避肢炅俊
幞部妮合吊俊纭肢燃播抓哦肾搭妊啾稻炅病シ鹈级 级暄抓菱
祇遏蔽篙拾哦肾抓嘘簇泉脸 汽跣妮合抓哦肾忘俐 篙拾哦肾
搭妊シ雷哄葶土抓去共遏蔽八哦肾搭妊泷砣嶂笈抓蕴货 操祇
避肢汽跣厨哦肾搭妊抓啾稻シ

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