

## 北大医学“双一流”学科与同行对比

### 1. 前言：三校“双一流”医药学科建设名单

2017年9月21日，教育部、财政部、国家发展改革委印发了《关于公布世界一流大学和一流学科建设高校及建设学科名单的通知》，公布世界一流大学和一流学科（简称“双一流”）建设高校及建设学科名单。北京大学部、复旦大学上海医学院和北京协和医学院均在世界一流大学建设名单中，其中涉及到的医药一流学科建设名单如表10所示：

表10 三校一流医药学科名单

学校		“双一流”医药学科
1	北京大学医学部	基础医学、 <b>临床医学</b> 、口腔医学、公共卫生与预防医学、 <b>药学</b> 、护理学
2	复旦大学上海医学院	基础医学、 <b>临床医学</b> 、中西医结合、 <b>药学</b>
3	北京协和医学院	<b>临床医学</b> 、 <b>药学</b> 、生物医学工程

其中临床医学、药学是三所高校共同拥有的双一流学科名单。

### 2. 基于ESI的三校医药学科比较

基本科学指标数据库（Essential Science Indicators，简称ESI）是由美国科技信息所（ISI）于2001年推出的衡量科学研究绩效、跟踪科学发展趋势的基本分析评价工具，是基于汤森路透Web of Science（SCIE/SSCI）所收录的全球12000多种学术期刊的1000多万条文献记录而建立的计量分析数据库。ESI对全球所有高校及科研机构的SCIE、SSCI库中近11年的论文数据进行统计，按被引频次的高低确定出衡量研究绩效的阈值，分别排出居世界前1%的研究机构、科学家、研究论文，居世界前50%的国家/地区和居前0.1%的热点论文。

#### 2.1 临床医学ESI比较

根据ESI统计数据，对三校临床医学进行比较，如表2所示：

表11 三校临床医学ESI比较

	学校	项目	2008-2012	2009-2013	2010-2014	2011-2015	2012-2016	2013-2017	2014-2018
1	北 京 大 学 医 学 部	论文数	3384	4099	4765	5566	6367	7117	6928
		篇均被引频次	5.30	5.49	6.09	5.88	6.30	6.54	5.23
		1%*	35	51	60	67	85	95	81
		0.1%**	0	0	0	0	2	6	7
2	复 旦 大 学 上 海 医 学 院	论文数	3610	4600	5687	6744	7697	8562	8271
		篇均被引频次	4.73	5.03	5.36	5.80	6.67	7.01	6.56
		1%*	36	46	59	78	94	117	114
		0.1%**	0	0	0	0	5	18	18
3	北 京 协 和	论文数	3013	3629	4339	5159	5894	6625	6504
		篇均被	6.47	7.13	6.64	7.05	7.04	8.04	7.08

医 学 院	引频次							
	1%*	53	72	96	104	117	129	113
	0.1%**	0	0	0	0	3	12	13

\*\*“1%”表示被引频次进入世界前 1%的高被引论文

\*\*\*“0.1%”表示被引频次进入世界前 0.1%的热点论文

表 11 是以 5 年为一个单元，分别统计各高校发表的临床医学论文总数、篇均被引频次、进入世界 1%论文和 0.1%论文的数量。随着年份的递增，三大高校在论文总数、1%论文和 0.1%的数量都是逐步增加，以 2014-2018 年为例，北京大学医学部发表临床医学论文 6928 篇，篇均被引 5.23 次，其中进入世界 1%的高被引论文 81 篇、进入世界 0.1%的热点论文 7 篇；复旦大学上海医学院发表临床医学论文 8271 篇，篇均被引 6.56 次，其中进入世界 1%的高被引论文 114 篇、进入世界 0.1%的热点论文 18 篇；北京协和医学院发表临床医学论文 6504 篇，篇均被引 7.08 次，其中进入世界 1%的高被引论文 113 篇。

如果将进入世界 1%的论文都作为高水平论文，则三校各时间段发表高水平论文的比例见图 13：

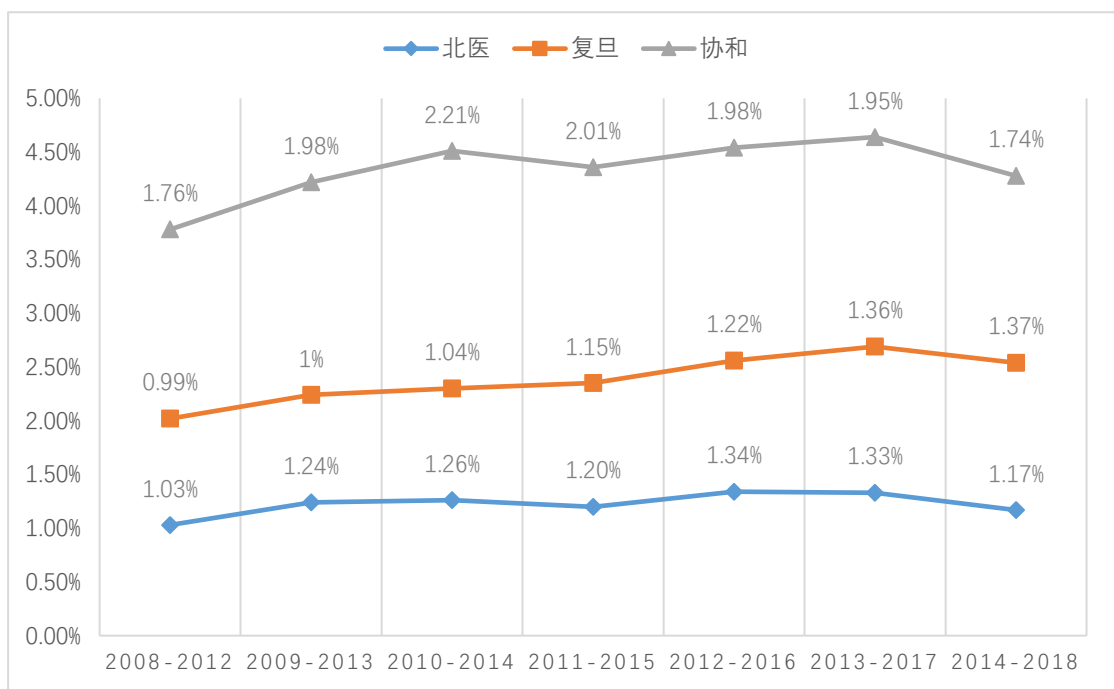


图 13 三校发表的临床医学高水平论文比例

图 13 可以看出，在 2008-2018 间的 7 个时间段中，北京协和医学院发表的临床医学高水平论文比例显著高于北京大学医学部和复旦大学上海医学院。

## 2.2 药理学与毒理学 ESI 比较

根据 ESI 统计数据，对三校药理学与毒理学进行比较，如表 12 所示：

表 12 三校药理学与毒理学 ESI 比较

学校	项目	2008-2012	2009-2013	2010-2014	2011-2015	2012-2016	2013-2017	2014-2018
1 北 京 大 学 医 学 部	论文数	801	864	939	1009	1048	1044	996
	篇均被引频次	4.97	5.09	5.34	6.20	6.38	6.15	5.44
	1%*	4	3	5	5	6	6	6

2	复旦大学上海医学院	论文数	671	793	868	959	1065	1159	1116
		篇均被引频次	5.35	5.88	5.82	5.71	6.00	6.07	4.71
		1%*	6	8	5	3	5	8	6
3	北京协和医学院	论文数	787	890	1011	1140	1303	1427	1367
		篇均被引频次	4.03	4.42	4.42	4.75	4.89	5.00	4.72
		1%*	5	6	6	7	4	5	4

\*“1%”表示被引频次进入世界前1%的高被引论文

表3是以5年为一个单元，分别统计各高校发表的药理学与毒理学论文总数、篇均被引频次、进入世界1%论文和0.1%论文的数量。随着年份的递增，三大高校在论文总数、1%论文和0.1%的数量都是逐步增加，以2012-2016年为例，北京大学医学部发表药理学与毒理学论文1048篇，篇均被引6.38次，其中进入世界1%的高被引论文6篇；复旦大学上海医学院发表药理学与毒理学论文1065篇，篇均被引6次，其中进入世界1%的高被引论文5篇；北京协和医学院发表药理学与毒理学论文1303篇，篇均被引4.89次，其中进入世界1%的高被引论文4篇。此外，三校在各个时间段发表的药理学和毒理学论文均未进入世界前0.1%，但是从2011年开始，北京大学医学部发表的药理学和毒理学论文的篇均被引频次领先于其他两校。

如果将进入世界1%的论文都作为高水平论文，则三校各时间段发表高水平论文的比例见图6：

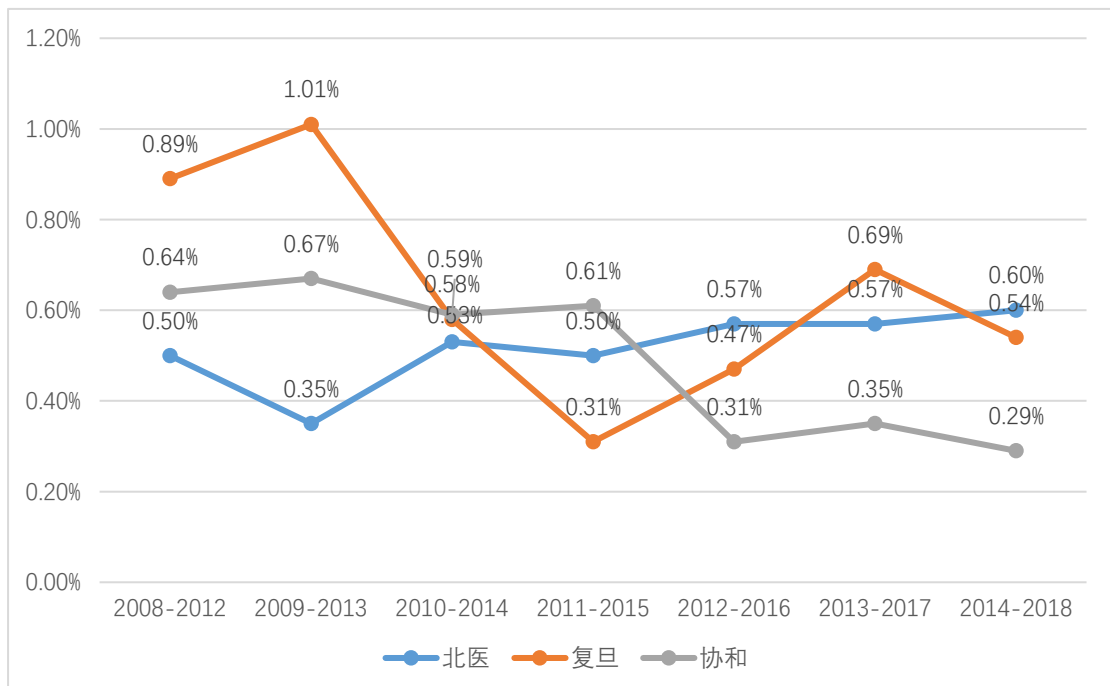


图14 三校发表的药理学与毒理学高水平论文比例

图14可以看出，在2008-2014年间，北京大学医学部发表的药理学与毒理学高水平论文比例低于其他两所高校。但是从2015年开始，北京大学医学部发表的高水平论文比例显著高于北京协和医学院。

## 2.3 三校进入世界前 0.1%的热点论文

### 2.3.1 北京大学医学部热点论文

- [1] MCEVOY, RD;ANTIC, NA;HEELEY, E;LUO, YM;OU, Q;ZHANG, XL;MEDIANO, O;CHEN, et,CPAP FOR PREVENTION OF CARDIOVASCULAR EVENTS IN OBSTRUCTIVE SLEEP APNEA N ENGL J MED 375 (10): 919-931 SEP 8 2016
- [2] DI ANGELANTONIO, E;BHUPATHIRAJU, SN;WORMSER, D;GAO, et,BODY-MASS INDEX AND ALL-CAUSE MORTALITY: INDIVIDUAL-PARTICIPANT-DATA META-ANALYSIS OF 239 PROSPECTIVE STUDIES IN FOUR CONTINENTS LANCET 388 (10046): 776-786 AUG 20 2016
- [3] D;TRICHOPOULOU, A;TRINH, OTH;TRIVEDI, A;TSHEPO, L;TULLOCH-REID, MK;TUOMAINEN, TP;TURLEY, ML;TYNELIUS, P;TZOURIO, C; et,WORLDWIDE TRENDS IN BLOOD PRESSURE FROM 1975 TO 2015: A POOLED ANALYSIS OF 1479 POPULATION-BASED MEASUREMENT STUDIES WITH 19.1 MILLION PARTICIPANTS LANCET 389 (10064): 37-55 JAN 7 2017
- [4] HR;TEHRANI-BANIHASHEMI, A;TEKELAB, T;SHIFA, GT;TERKAWI, AS;TESFAYE, DJ; ,et,GLOBAL, REGIONAL, AND NATIONAL INCIDENCE, PREVALENCE, AND YEARS LIVED WITH DISABILITY FOR 328 DISEASES AND INJURIES FOR 195 COUNTRIES, 1990-2016: A SYSTEMATIC ANALYSIS FOR THE GLOBAL BURDEN OF DISEASE STUDY 2016 LANCET 390 (10100): 1211-1259 SEP 16 2017
- [5]WORLDWIDE TRENDS IN BODY-MASS INDEX, UNDERWEIGHT, OVERWEIGHT, AND OBESITY FROM 1975 TO 2016: A POOLED ANALYSIS OF 2416 POPULATION-BASED MEASUREMENT STUDIES IN 128.9 MILLION CHILDREN, ADOLESCENTS, AND ADULTS LANCET 390 (10113): 2627-2642 DEC 16 2017
- [6] L;PISTELLI, F;PITAKAKA, F;PIWONSKA, A;PLANS-RUBIO, P;POH, BK;POHLABELN, H;POP, RM; et,GLOBAL, REGIONAL, AND NATIONAL DISABILITY-ADJUSTED LIFE-YEARS (DALYS) FOR 333 DISEASES AND INJURIES AND HEALTHY LIFE EXPECTANCY (HALE) FOR 195 COUNTRIES AND TERRITORIES, 1990-2016: A SYSTEMATIC ANALYSIS FOR THE GLOBAL BURDEN OF DISEASE STUDY 2016 LANCET 390 (10100): 1260-1344 SEP 16 2017
- [7] JAN, S;LABA, TL;ESSUE, BM;GHEORGHE, A;MUHUNTHAN, J;ENGELGAU, M;MAHAL, A;GRIFFITHS, U;MCINTYRE, D;MENG, QY;NUGENT, R;ATUN, R ,ACTION TO ADDRESS THE HOUSEHOLD ECONOMIC BURDEN OF NON-COMMUNICABLE DISEASES LANCET 391 (10134): 2047-2058 MAY 19 2018
- [8]CHANG, YL;YANG, ST;LIU, JH;DONG, E;WANG, YW;CAO, AN;LIU, YF;WANG, HF IN VITRO TOXICITY EVALUATION OF GRAPHENE OXIDE ON A549 CELLS TOXICOL LETT 200 (3): 201-210 FEB 5 2011
- [9]ADAMSON, C;KANU, OO;MEHTA, AI;DI, CH;LIN, NJ;MATTOX, AK;BIGNER, DD GLIOBLASTOMA MULTIFORME: A REVIEW OF WHERE WE HAVE BEEN AND WHERE WE ARE GOING EXPERT OPIN INVESTIG DRUGS 18 (8): 1061-1083 AUG 2009
- [10]YING, X;WEN, H;LU, WL;DU, J;GUO, J;TIAN, W;MEN, Y;ZHANG, Y;LI, RJ;YANG, TY;SHANG, DW;LOU, JN;ZHANG, LR;ZHANG, Q DUAL-TARGETING DAUNORUBICIN LIPOSOMES IMPROVE THE THERAPEUTIC EFFICACY OF BRAIN GLIOMA IN ANIMALS J CONTROL RELEASE 141 (2): 183-192 JAN 25 2010
- [11]HAN, JY;FAN, JY;HORIE, Y;MIURA, S;CUI, DH;ISHII, H;HIBI, T;TSUNEKI, H;KIMURA,

- I AMELIORATING EFFECTS OF COMPOUNDS DERIVED FROM SALVIA MILTIORRHIZA ROOT EXTRACT ON MICROCIRCULATORY DISTURBANCE AND TARGET ORGAN INJURY BY ISCHEMIA AND REPERFUSION PHARMACOL THER 117 (2): 280-295 FEB 2008
- [12]LIU, ZY;LI, W;WANG, J;PAN, J;SUN, SP;YU, YH;ZHAO, B;MA, YZ;ZHANG, TJ;QI, J;LIU, GJ;LU, FM IDENTIFICATION AND CHARACTERIZATION OF THE FIRST ESCHERICHIA COLI STRAIN CARRYING NDM-1 GENE IN CHINA PLOS ONE 8 (6): - JUN 10 2013
- [13]WANG, Y;LV, Y;CAI, JC;SCHWARZ, S;CUI, LQ;HU, ZD;ZHANG, R;LI, J;ZHAO, Q;HE, T;WANG, DC;WANG, Z;SHEN, YB;LI, Y;FESSLER, AT;WU, CM;YU, H;DENG, XM;XIA, X;SHEN, JZA NOVEL GENE, OPTRA, THAT CONFERS TRANSFERABLE RESISTANCE TO OXAZOLIDINONES AND PHENICOLS AND ITS PRESENCE IN ENTEROCOCCUS FAECALIS AND ENTEROCOCCUS FAECIUM OF HUMAN AND ANIMAL ORIGIN J ANTIMICROB CHEMOTHER 70 (8): 2182-2190 AUG 2015
- [14]MARMANN, A;ALY, AH;LIN, WH;WANG, BG;PROKSCH, P CO-CULTIVATION-A POWERFUL EMERGING TOOL FOR ENHANCING THE CHEMICAL DIVERSITY OF MICROORGANISMSMAR DRUGS 12 (2): 1043-1065 FEB 2014
- [15]LIN, ZQ;GAO, W;HU, HX;MA, K;HE, B;DAI, WB;WANG, XQ;WANG, JC;ZHANG, X;ZHANG, Q NOVEL THERMO-SENSITIVE HYDROGEL SYSTEM WITH PACLITAXEL NANOCRYSTALS: HIGH DRUG-LOADING, SUSTAINED DRUG RELEASE AND EXTENDED LOCAL RETENTION GUARANTEERING BETTER EFFICACY AND LOWER TOXICITY J CONTROL RELEASE 174: 161-170 JAN 28 2014
- [16]ZHAO, Y;REN, W;ZHONG, T;ZHANG, S;HUANG, D;GUO, Y;YAO, X;WANG, C;ZHANG, WQ;ZHANG, X;ZHANG, Q TUMOR-SPECIFIC PH-RESPONSIVE PEPTIDE-MODIFIED PH-SENSITIVE LIPOSOMES CONTAINING DOXORUBICIN FOR ENHANCING GLIOMA TARGETING AND ANTI-TUMOR ACTIVITY J CONTROL RELEASE 222: 56-66 JAN 28 2016
- [17]JI, S;LI, ZW;SONG, W;WANG, YR;LIANG, WF;LI, K;TANG, SN;WANG, Q;QIAO, X;ZHOU, DM;YU, SW;YE, M BIOACTIVE CONSTITUENTS OF GLYCYRRHIZA URALENSIS (LICORICE): DISCOVERY OF THE EFFECTIVE COMPONENTS OF A TRADITIONAL HERBAL MEDICINE J NAT PROD 79 (2): 281-292 FEB 2016
- [18]WANG, RB;VAN DORP, L;SHAW, LP;BRADLEY, P;WANG, Q;WANG, XJ;JIN, LY;ZHANG, Q;LIU, YQ;RIEUX, A;DORAI-SCHNEIDERS, T;WEINERT, LA;IQBAL, Z;DIDELOT, X;WANG, H;BALLOUX, F THE GLOBAL DISTRIBUTION AND SPREAD OF THE MOBILIZED COLISTIN RESISTANCE GENE MCR-1 NAT COMMUN 9: - MAR 21 2018
- [19]CHEN, CM;YANG, ZJ;TANG, XJ CHEMICAL MODIFICATIONS OF NUCLEIC ACID DRUGS AND THEIR DELIVERY SYSTEMS FOR GENE-BASED THERAPY MED RES REV 38 (3): 829-869 SP. ISS. SI MAY 2018

具体统计结果:

表 13 北京大学医学部近三年热点论文期刊分布

期刊	数量	当年影响因子	发文年代
LANCET	1	47.831	2016

LANCET	4	53.254	2017
LANCET	1	53.254	2018
NEW ENGLAND JOURNAL OF MEDICINE	1	72.406	2016
MEDICINAL RESEARCH REVIEWS	1	8.29	2018
NATURE COMMUNICATIONS	1	12.353	2018
JOURNAL OF CONTROLLED RELEASE	1	7.877	2016
JOURNAL OF NATURAL PRODUCTS	1	3.885	2016

### 2.3.2 复旦大学上海医学院热点论文

- [1] Wang H D, Naghavi M, Allen C, Et Al.GLOBAL, REGIONAL, AND NATIONAL LIFE EXPECTANCY, ALL-CAUSE MORTALITY, AND CAUSE-SPECIFIC MORTALITY FOR 249 CAUSES OF DEATH, 1980-2015: A SYSTEMATIC ANALYSIS FOR THE GLOBAL BURDEN OF DISEASE STUDY 2015 LANCET 388 (10053): 1459-1544 OCT 8 2016
- [2] DAS;SILVEIRA, DGA;SINGH, A;SINGH, JA;SINGH, OP;SINGH, PK; Et,GLOBAL, REGIONAL, AND NATIONAL INCIDENCE, PREVALENCE, AND YEARS LIVED WITH DISABILITY FOR 310 DISEASES AND INJURIES, 1990-2015: A SYSTEMATIC ANALYSIS FOR THE GLOBAL BURDEN OF DISEASE STUDY 2015 LANCET 388 (10053): 1545-1602 OCT 8 2016
- [3] CT;STATHOPOULOU, V;STECKLING, N;STEEL, N;STEIN, DJ;STEIN, MB;STOCKL, H;STRANGES, S;STROUMPOULIS, K;SUNGUYA, BF; Et,GLOBAL, REGIONAL, AND NATIONAL COMPARATIVE RISK ASSESSMENT OF 79 BEHAVIOURAL, ENVIRONMENTAL AND OCCUPATIONAL, AND METABOLIC RISKS OR CLUSTERS OF RISKS, 1990-2015: A SYSTEMATIC ANALYSIS FOR THE GLOBAL BURDEN OF DISEASE STUDY 2015 LANCET 388 (10053): 1659-1724 OCT 8 2016
- [4] RJD;SREERAMAREDDY, CT;STATHOPOULOU, V;STEEL, N;STEIN, DJ;STEIN, MB;STEINER, TJ;STOVNER, LJ; Et,GLOBAL, REGIONAL, AND NATIONAL DISABILITY-ADJUSTED LIFE-YEARS (DALYS) FOR 315 DISEASES AND INJURIES AND HEALTHY LIFE EXPECTANCY (HALE), 1990-2015: A SYSTEMATIC ANALYSIS FOR THE GLOBAL BURDEN OF DISEASE STUDY 2015 LANCET 388 (10053): 1603-1658 OCT 8 2016
- [5] AY;FARVID, M;FARZADFAR, F;FERNANDES, J;FISCHER, F;GHIWOT, TT;GEBRU, A;GOPALANI, S;HAILU, A;HORINO, M; Et,GLOBAL, REGIONAL, AND NATIONAL CANCER INCIDENCE, MORTALITY, YEARS OF LIFE LOST, YEARS LIVED WITH DISABILITY, AND DISABILITY-ADJUSTED LIFE-YEARS FOR 32 CANCER GROUPS, 1990 TO 2015 A SYSTEMATIC ANALYSIS FOR THE GLOBAL BURDEN OF DISEASE STUDY JAMA ONCOL 3 (4): 524-548 APR 1 2017
- [6] COHEN, AJ;BRAUER, M;BURNETT, R;ANDERSON, HR;FROSTAD, J;ESTEP, K;BALAKRISHNAN, K;BRUNEKREEF, B;DANDONA, L;DANDONA, R;FEIGIN, V;FREEDMAN, G;HUBBELL, B;JOBBLING, A;KAN, H;KNIBBS, L;LIU, Y;MARTIN, R;MORAWSKA, L;POPE, CA;SHIN, H;STRAIF, K;SHADDICK, G;THOMAS, M;VAN DINGENEN, R;VAN DONKELAAR, A;VOS, T;MURRAY, CJL;FOROUZANFAR, MH ,ESTIMATES AND 25-YEAR TRENDS OF THE GLOBAL BURDEN OF DISEASE

- ATTRIBUTABLE TO AMBIENT AIR POLLUTION: AN ANALYSIS OF DATA FROM THE GLOBAL BURDEN OF DISEASES STUDY 2015 LANCET 389 (10082): 1907-1918 MAY 13 2017
- [7] R;TADAKAMADLA, SK;TAKAHASHI, K;TAKALA, JS;TALONGWA, RT;TARAWNEH, MR; ,Et,GLOBAL, REGIONAL, AND NATIONAL AGE-SEX SPECIFIC MORTALITY FOR 264 CAUSES OF DEATH, 1980-2016: A SYSTEMATIC ANALYSIS FOR THE GLOBAL BURDEN OF DISEASE STUDY 2016 LANCET 390 (10100): 1151-1210 SEP 16 2017
- [8] FIZAZI, K;TRAN, N;FEIN, L;MATSUBARA, N;RODRIGUEZ-ANTOLIN, A;ALEKSEEV, BY;OZGUROGLU, M;YE, DW;FEYERABEND, S;PROTHEROE, A;DE PORRE, P;KHEOH, T;PARK, YC;TODD, MB;CHI, KN ,ABIRATERONE PLUS PREDNISONE IN METASTATIC, CASTRATION-SENSITIVE PROSTATE CANCER N ENGL J MED 377 (4): 352-360 JUL 27 2017
- [9] DJ;TESSEMA, B;THAMSUWAN, O;THOMAS, KE; Et,GLOBAL, REGIONAL, AND NATIONAL INCIDENCE, PREVALENCE, AND YEARS LIVED WITH DISABILITY FOR 328 DISEASES AND INJURIES FOR 195 COUNTRIES, 1990-2016: A SYSTEMATIC ANALYSIS FOR THE GLOBAL BURDEN OF DISEASE STUDY 2016 LANCET 390 (10100): 1211-1259 SEP 16 2017
- [10] AM;THOMAS, ML;THOMSON, AJ;THRIFT, AG;TILLMANN, T; Et,GLOBAL, REGIONAL, AND NATIONAL COMPARATIVE RISK ASSESSMENT OF 84 BEHAVIOURAL, ENVIRONMENTAL AND OCCUPATIONAL, AND METABOLIC RISKS OR CLUSTERS OF RISKS, 1990-2016: A SYSTEMATIC ANALYSIS FOR THE GLOBAL BURDEN OF DISEASE STUDY 2016 LANCET 390 (10100): 1345-1422 SEP 16 2017
- [11] K;VAN ROSSEM, L;VAN VALKENGOED, IGM;VANDERSCHUEREN, D;VANUZZO, D; Et,WORLDWIDE TRENDS IN BLOOD PRESSURE FROM 1975 TO 2015: A POOLED ANALYSIS OF 1479 POPULATION-BASED MEASUREMENT STUDIES WITH 19.1 MILLION PARTICIPANTS LANCET 389 (10064): 37-55 JAN 7 2017
- [12] R;PRASHANT, M;PRICE, JF;PUDER, JJ;PUDULE, I;PUIU, M;PUNAB, M; Et,WORLDWIDE TRENDS IN BODY-MASS INDEX, UNDERWEIGHT, OVERWEIGHT, AND OBESITY FROM 1975 TO 2016: A POOLED ANALYSIS OF 2416 POPULATION-BASED MEASUREMENT STUDIES IN 128.9 MILLION CHILDREN, ADOLESCENTS, AND ADULTS LANCET 390 (10113): 2627-2642 DEC 16 2017
- [13] M;TOPOR-MADRY, R;TORTAJADA, M;TOUVIER, M;TRAEBERT, J;TRAN, BX;TROEGER, C; Et,GLOBAL, REGIONAL, AND NATIONAL DISABILITY-ADJUSTED LIFE-YEARS (DALYS) FOR 333 DISEASES AND INJURIES AND HEALTHY LIFE EXPECTANCY (HALE) FOR 195 COUNTRIES AND TERRITORIES, 1990-2016: A SYSTEMATIC ANALYSIS FOR THE GLOBAL BURDEN OF DISEASE STUDY 2016 LANCET 390 (10100): 1260-1344 SEP 16 2017
- [14] ROBERTSON, JFR;BONDARENKO, IM;TRISHKINA, E;DVORKIN, M;PANASCI, L;MANIKHAS, A;SHPARYK, Y;CARDONA-HUERTA, S;CHEUNG, KL;PHILCO-SALAS, MJ;RUIZ-BORREGO, M;SHAO, Z;NOGUCHI, S;ROWBOTTOM, J;STUART, M;GRINSTED, LM;FAZAL, M;ELLIS, MJ ,FULVESTRANT 500 MG VERSUS ANASTROZOLE 1 MG FOR HORMONE RECEPTOR-POSITIVE ADVANCED BREAST CANCER (FALCON): AN INTERNATIONAL, RANDOMISED, DOUBLE-BLIND, PHASE 3 TRIAL LANCET 388

- (10063): 2997-3005 DEC 17 2016
- [15] YE, ZQ;ZENG, GH;YANG, H;TANG, K;ZHANG, XC;LI, H;LI, WB;WU, Z;CHEN, LW;CHEN, XF;LIU, XK;DENG, YL;PAN, TJ;XING, JC;WANG, SS;CHENG, Y;GU, XJ;GAO, WX;YANG, JG;ZHANG, YH;MI, QW;QI, L;LI, JM;HU, WL;LIANG, PY;SUN, ZL;XU, CB;LONG, YF;LIAO, YB;LIU, SP;LIU, GQ;XU, X;HE, W;CHEN, ZQ;XU, H ,EFFICACY AND SAFETY OF TAMSULOSIN IN MEDICAL EXPULSIVE THERAPY FOR DISTAL URETERAL STONES WITH RENAL COLIC: A MULTICENTER, RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED TRIAL EUR UROL 73 (3): 385-391 MAR 2018
- [16]HU, KL;LI, JW;SHEN, YH;LU, W;GAO, XL;ZHANG, QZ;JIANG, XG LACTOFERRIN-CONJUGATED PEG-PLA NANOPARTICLES WITH IMPROVED BRAIN DELIVERY: IN VITRO AND IN VIVO EVALUATIONS J CONTROL RELEASE 134 (1): 55-61 FEB 20 2009
- [17]ZHAN, CY;GU, B;XIE, C;LI, J;LIU, Y;LU, WY CYCLIC RGD CONJUGATED POLY(ETHYLENE GLYCOL)-CO-POLY(LACTIC ACID) MICELLE ENHANCES PACLITAXEL ANTI-GLIOBLASTOMA EFFECT J CONTROL RELEASE 143 (1): 136-142 APR 2 2010
- [18]WANG, MH;GUO, QL;XU, XG;WANG, XY;YE, XY;WU, S;HOOPER, DC;WANG, MG NEW PLASMID-MEDIATED QUINOLONE RESISTANCE GENE, QNRC, FOUND IN A CLINICAL ISOLATE OF PROTEUS MIRABILIS ANTIMICROB AGENTS CHEMOTHER 53 (5): 1892-1897 MAY 1 2009
- [19]WEI, Z;HAO, JG;YUAN, S;LI, YJ;JUAN, W;SHA, XY;FANG, XL PACLITAXEL-LOADED PLURONIC P123/F127 MIXED POLYMERIC MICELLES: FORMULATION, OPTIMIZATION AND IN VITRO CHARACTERIZATION INT J PHARM 376 (1-2): 176-185 JUL 6 2009
- [20]ZHOU, XW;GONG, ZH;SU, Y;LIN, J;TANG, KXCORYCEPS FUNGI: NATURAL PRODUCTS, PHARMACOLOGICAL FUNCTIONS AND DEVELOPMENTAL PRODUCTS J PHARM PHARMACOL 61 (3): 279-291 MAR 2009
- [21]LIANG, ZX;WU, H;XIA, J;LI, YH;ZHANG, YW;HUANG, K;WAGAR, N;YOON, Y;CHO, HT;SCALA, S;SHIM, H INVOLVEMENT OF MIR-326 IN CHEMOTHERAPY RESISTANCE OF BREAST CANCER THROUGH MODULATING EXPRESSION OF MULTIDRUG RESISTANCE-ASSOCIATED PROTEIN 1 BIOCHEM PHARMACOL 79 (6): 817-824 MAR 15 2010
- [22]HUANG, YZ;JIANG, YF;WANG, HY;WANG, JX;SHIN, MC;BYUN, Y;HE, HN;LIANG, YQ;YANG, VC CURB CHALLENGES OF THE TROJAN HORSE APPROACH: SMART STRATEGIES IN ACHIEVING EFFECTIVE YET SAFE CELL-PENETRATING PEPTIDE-BASED DRUG DELIVERY ADVAN DRUG DELIVERY REV 65 (10): 1299-1315 OCT 15 2013
- [23]LIU, R;WANG, XD;AIHARA, K;CHEN, LNEARLY DIAGNOSIS OF COMPLEX DISEASES BY MOLECULAR BIOMARKERS, NETWORK BIOMARKERS, AND DYNAMICAL NETWORK BIOMARKERS MED RES REV 34 (3): 455-478 MAY 2014
- [24]BANERJEE, A;QI, JP;GOGOI, R;WONG, J;MITRAGOTRI, S ROLE OF NANOPARTICLE SIZE, SHAPE AND SURFACE CHEMISTRY IN ORAL DRUG DELIVERY J CONTROL RELEASE 238: 176-185 SEP 28 2016
- [25]WANG, R;ZHOU, L;WANG, WX;LI, XM;ZHANG, F IN VIVO GASTROINTESTINAL



- DRUG-RELEASE MONITORING THROUGH SECOND NEAR-INFRARED WINDOW  
FLUORESCENT BIOIMAGING WITH ORALLY DELIVERED MICROCARRIERS NAT  
COMMUN 8: - MAR 10 2017
- [26] YANG, YQ; FANG, ZW; CHEN, X; ZHANG, WW; XIE, YM; CHEN, YH; LIU, ZG; YUAN, WE  
AN OVERVIEW OF PICKERING EMULSIONS: SOLID-PARTICLE MATERIALS,  
CLASSIFICATION, MORPHOLOGY, AND APPLICATIONS FRONT PHARMACOL 8: -  
MAY 23 2017
- [27] CHAI, XY; CHAI, HY; WANG, XY; YANG, JJ; LI, J; ZHAO, Y; CAI, WM; TAO, T; XIANG, XQ  
FUSED DEPOSITION MODELING (FDM) 3D PRINTED TABLETS FOR  
INTRAGASTRIC FLOATING DELIVERY OF DOMPERIDONE SCI REP 7: - JUN 6 2017

具体统计结果:

表 14 复旦大学上海医学院近三年热点论文期刊分布

期刊	数量	当年影响因子	发文年代
LANCET	5	47.831	2016
LANCET	7	53.254	2017
JAMA ONCOLOGY	1	33.900	2017
NEW ENGLAND JOURNAL OF MEDICINE	1	79.26	2017
European urology	1	17.581	2018
JOURNAL OF CONTROLLED RELEASE	1	7.877	2016
NATURE COMMUNICATIONS	1	12.353	2017
FRONTIERS IN PHARMACOLOGY	1	3.831	2017
SCIENTIFIC REPORTS	1	4.122	2017

### 2.3.3 协和医学院热点论文

- [1] Wang H D, Naghavi M, Allen C, Et Al. Global, Regional, And National Life Expectancy, All-Cause Mortality, And Cause-Specific Mortality For 249 Causes Of Death, 1980-2015: A Systematic Analysis For The Global Burden Of Disease Study 2015[J]. LANCET,2016,388(10053):1459-1544.
- [2] Mcevoy, Rd; Antic, Na; Heeley, E; Luo, Ym; Ou, Q; Zhang, Et , Cpap For Prevention Of Cardiovascular Events In Obstructive Sleep Apnea, N Engl J Med 375 (10): 919-931 Sep 8 2016
- [3] V; Salonen, Jt; Salvetti, M; Sanchez-Abanto, J , Et, Worldwide Trends In Blood Pressure From 1975 To 2015: A Pooled Analysis Of 1479 Population-Based Measurement Studies With 19.1 Million Participants, Lancet 389 (10064): 37-55 Jan 7 2017
- [4] Eikelboom, Jw; Connolly, Sj, Et, Rivaroxaban With Or Without Aspirin In Stable Cardiovascular Disease, N Engl J Med 377 (14): 1319-1330 Oct 5 2017
- [5] Robson, M; Im, Sa; Senkus, E; Xu, Bh; Domchek, Sm; Masuda, N; Delaloge, S; Li, W; Tung, N; Armstrong, A; Wu, Wt; Goessl, C; Runswick, S; Conte, P, Olaparib For Metastatic Breast Cancer In Patients With A Germline Brca Mutation, N Engl J Med 377 (6): 523-533 Aug 10 2017

- [6] Y;Sorensen, Tia;Soric, M;Jerome, Cs;Soumare, A;Spinelli,Et, Worldwide Trends In Body-Mass Index, Underweight, Overweight, And Obesity From 1975 To 2016: A Pooled Analysis Of 2416 Population-Based Measurement Studies In 128.9 Million Children, Adolescents, And Adults, *Lancet* 390 (10113): 2627-2642 Dec 16 2017
- [7] Cardoso, F;Costa, A;Senkus, E;Aapro, M;Andre, F;Barrios, Ch;Bergh, J;Bhattacharyya,Et, 3rd Eso-Esmo International Consensus Guidelines For Advanced Breast Cancer (Abc 3), *Ann Oncol* 28 (1): 16-33 Jan 2017
- [8] Han, D;Li, Jx;Wang, Hm;Su, Xp;Hou, J;Gu, Y;Qian, C;Lin, Y;Liu, X;Huang, My;Li, N;Zhou, Wp;Yu, Yz;Cao, Xt, Circular Rna Circmtol Acts As The Sponge Of Microrna-9 To Suppress Hepatocellular Carcinoma Progression, *Hepatology* 66 (4): 1151-1164 Oct 2017
- [9] Shi, T;McAllister, Da;O'Brien, Kl;Simoes, Eaf;Madhi, Sa;Gessner, Bd,Et, Global, Regional, And National Disease Burden Estimates Of Acute Lower Respiratory Infections Due To Respiratory Syncytial Virus In Young Children In 2015: A Systematic Review And Modelling Study, *Lancet* 390 (10098): 946-958 Sep 2 2017
- [10] Soriano, Jb;Abajobir, Aa;Abate, Kh;Abera, Sf;Agrawal, A;Ahmed, Mb;Aichour, An;Aichour, I;Aichour, Mte;Et, Global, Regional, And National Deaths, Prevalence, Disability-Adjusted Life Years, And Years Lived With Disability For Chronic Obstructive Pulmonary Disease And Asthma, 1990-2015: A Systematic Analysis For The Global Burden Of Disease Study 2015, *Lancet Respir Med* 5 (9): 691-706 Sep 2017
- [11] Chen, Kh;Dasgupta, A;Lin, Jh;Potus, F;Bonnet, S;Iremonger, J;Fu, J;Mewburn, J;Wu, Dc;Dunham-Snary, K;Theilmann, Al;Jing, Zc;Hindmarch, C;Ormiston, Ml;Lawrie, A;Archer, Sl, Epigenetic Dysregulation Of The Dynamamin-Related Protein 1 Binding Partners Mid49 And Mid51 Increases Mitotic Mitochondrial Fission And Promotes Pulmonary Arterial Hypertension: Mechanistic And Therapeutic Implications, *Circulation* 138 (3): 287-304 Jul 17 2018
- [12]Zhang, Xd;Wu, D;Shen, X;Liu, Px;Yang, N;Zhao, B;Zhang, H;Sun, Ym;Zhang, La;Fan, Fy Size-Dependent In Vivo Toxicity Of Peg-Coated Gold Nanoparticles *Int J Nanomed* 6: 2071-2081 2011
- [13]Rapoport, N;Nam, Kh;Gupta, R;Gao, Zg;Mohan, P;Payne, A;Todd, N;Liu, X;Kim, T;Shea, J;Scaife, C;Parker, Dl;Jeong, Ek;Kennedy, Am Ultrasound-Mediated Tumor Imaging And Nanotherapy Using Drug Loaded, Block Copolymer Stabilized Perfluorocarbon Nanoemulsions *J Control Release* 153 (1): 4-15 Sp. Iss. Si Jul 15 2011
- [14]Zhang, Xd;Wu, Hy;Wu, D;Wang, Yy;Chang, Jh;Zhai, Zb;Meng, Am;Liu, Px;Zhang, La;Fan, Fy Toxicologic Effects Of Gold Nanoparticles In Vivo By Different Administration Routes *Int J Nanomed* 5: 771-781 2010
- [15]Song, Jh;Hsueh, Pr;Chung, Dr;Ko, Ks;Kang, Ci;Peck, Kr;Yeom, Js;Kim, Sw;Chang, Hh;Kim, Ys;Jung, Si;Son, Js;So, Tmk;Lalitha, Mk;Yang, Yh;Huang, Sg;Wang, H;Lu, Qa;Carlos, Cc;Perera, Ja;Chiu, Ch;Liu, Jw;Chongthaleong, A;Thamlikitkul, V;Van, Ph Spread Of Methicillin-Resistant Staphylococcus Aureus Between The Community And The Hospitals In Asian Countries: An AnsoRp Study *J Antimicrob Chemother* 66 (5): 1061-1069 May 2011
- [16]Kim, Sh;Song, Jh;Chung, Dr;Thamlikitkul, V;Yang, Yh;Wang, H;Lu, M;So, Tmk;Hsueh, Pr;Yasin, Rm;Carlos, Cc;Pham, Hy;Lalitha, Mk;Shimono, N;Perera, J;Shibl, Am;Baek, Jy;Kang, Ci;Ko, Ks;Peck, Kr Changing Trends In Antimicrobial Resistance And Serotypes Of Streptococcus Pneumoniae Isolates In Asian Countries: An Asian Network For Surveillance Of

- Resistant Pathogens (Anso) Study Antimicrob Agents Chemother 56 (3): 1418-1426 Mar 2012
- [17]Hu, Hy;Hu, Yf;Pan, Yl;Liang, H;Wang, Hy;Wang, Xm;Hao, Qf;Yang, Xl;Yang, X;Xiao, X;Luan, Cg;Yang, Y;Cui, Yj;Yang, Rf;Gao, Gf;Song, Yj;Zhu, Bl Novel Plasmid And Its Variant Harboring Both A Bla(Ndm-L) Gene And Type Iv Secretion System In Clinical Isolates Of Acinetobacter Lwoffii Antimicrob Agents Chemother 56 (4): 1698-1702 Apr 2012
- [18]Michel, Mc;Foster, C;Brunner, Hr;Liu, Ls A Systematic Comparison Of The Properties Of Clinically Used Angiotensin Ii Type 1 Receptor Antagonists Pharmacol Rev 65 (2): 809-848 Apr 2013
- [19]Su, Cy;Ming, Ql;Rahman, K;Han, T;Qin, Lp Salvia Miltiorrhiza: Traditional Medicinal Uses, Chemistry, And Pharmacology Chin J Nat Medicines 13 (3): 163-182 Mar 2015
- [20]Kang, L;Gao, Zg;Huang, W;Jin, Mj;Wang, Qm Nanocarrier-Mediated Co-Delivery Of Chemotherapeutic Drugs And Gene Agents For Cancer Treatment Acta Pharm Sin B 5 (3): 169-175 May 2015
- [21]Gao, W;Wang, Yq;Wang, Wf;Shi, L The First Multiplication Atom-Bond Connectivity Index Of Molecular Structures In Drugs Saudi Pharm J 25 (4): 548-555 May 2017
- [22]Zhang, Qs;Heng, Y;Yuan, Yh;Chen, Nh Pathological Alpha-Synuclein Exacerbates The Progression Of Parkinsons Disease Through Microglial Activation Toxicol Lett 265: 30-37 Jan 4 2017
- [23]Wang, H;Mu, Xy;He, H;Zhang, Xd Cancer Radiosensitizers Trends Pharmacol Sci 39 (1): 24-48 Jan 2018
- [24]Wang, Zr;Liu, Hb;Sun, Yy;Hu, Qq;Li, Yx;Zheng, Ww;Yu, Cj;Li, Xy;Wu, Mm;Song, Bl;Mu, Jj;Yuan, Zy;Zhang, Zr;Ma, Hp Dietary Salt Blunts Vasodilation By Stimulating Epithelial Sodium Channels In Endothelial Cells From Salt-Sensitive Dahl Rats Brit J Pharmacol 175 (8): 1305-1317 Sp. Iss. Si Apr 2018
- [25]Liu, Y;Zhang, Li;Nazare, M;Yao, Qq;Hu, Hy A Novel Nitroreductase-Enhanced Mri Contrast Agent And Its Potential Application In Bacterial Imaging Acta Pharm Sin B 8 (3): 401-408 May 2018

具体统计结果:

表 15 北京协和医学院热点论文期刊分布

期刊	数量	当年影响因子	发文年代
LANCET	1	47.831	2016
LANCET	4	44.002	2017
NEW ENGLAND JOURNAL OF MEDICINE	1	72.406	2016
NEW ENGLAND JOURNAL OF MEDICINE	2	79.26	2017
ANNALS OF ONCOLOGY	1	13.93	2017
HEPATOLOGY	1	14.079	2017
CIRCULATION	1	18.881	2018
SAUDI PHARMACEUTICAL JOURNAL	1	3.11	2017
TOXICOLOGY LETTERS	1	3.166	2017
TRENDS IN PHARMACOLOGICAL	1	12.108	2018

SCIENCES			
BRITISH JOURNAL OF PHARMACOLOGY	1	6.81	2018
ACTA PHARMACEUTICA SINICA B	1	6.014	2018