

Analysis of Peer Review data from WoS

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Abstract

In the paper we present an analysis of the bibliography on “peer review” as recorded in the Wob of Science (WoS).

Keywords: large network, acyclic, citation network, main path, CPM path, arc weight, algorithm, self organizing maps, patent

1 Introduction

In the paper we present an analysis of the bibliography on “peer review” as recorded in the Wob of Science (WoS).

2 Data

2.1 Collecting the data.

To the Web of Science (WoS) we put a query "peer review*". We got from the Web of Science Core Collection, in May 2015, 17053 hits – papers with their descriptions. An example of a WoS paper’s description is presented in Figure 1.

Using a program WoS2Pajek we transformed the WoS data into a collection of networks: the citation network `cite` (from the field `CR`), the author-ship network `WA` (from the field `AU`), the journal-ship network `WJ` (from the field `CR`), and the keyword-ship network `WK` (from the field `CR` or `TI`). An important property of all these networks is that they have as the first node set the same set – the set of works (papers, reports, books, etc.) W . The works that appear in descriptions are of two types:

```

PT J
AU Dipple, H
   Evans, B
TI The Leicestershire Huntington's disease support group: a social network
   analysis
SO HEALTH & SOCIAL CARE IN THE COMMUNITY
LA English
DT Article
C1 Rehabil Serv, Troon Way Business Ctr, Leicester LE4 9HA, Leics, England.
RP Dipple, H, Rehabil Serv, Troon Way Business Ctr, Sandringham
   Suite, Humberstone Lane, Leicester LE4 9HA, Leics, England.
CR BORGATTI SP, 1992, UCINET 4 VERSION 1 0
   FOLSTEIN S, 1989, HUNTINGTONS DIS DISO
   SCOTT J, 1991, SOCIAL NETWORK ANAL
NR 3
TC 3
PU BLACKWELL SCIENCE LTD
PI OXFORD
PA P O BOX 88, OSNEY MEAD, OXFORD OX2 ONE, OXON, ENGLAND
SN 0966-0410
J9 HEALTH SOC CARE COMMUNITY
JI Health Soc. Care Community
PD JUL
PY 1998
VL 6
IS 4
BP 286
EP 289
PG 4
SC Public, Environmental & Occupational Health; Social Work
GA 105UP
UT ISI:000075092200008
ER

```

Figure 1: Record from Web of Science

- hits – works with a WoS description;
- referenced only works (listed in CR fields of descriptions, but not contained in hits).

The information about the work types is stored in a partition `DC` (`DC=` a work `w` has (1) / has not (0) a WoS description). Another partition `year` contains the work publication years from the field `PY`. A CSV file `titles` with basic data about works with `DC=1` is also produced to be used in listing the results.

The first analysis revealed many papers without WoS descriptions having large indegrees in the citation network. We manually searched for each of them (with indegree larger or equal 20) and if found added it into the data set.

After some iterations, we finally constructed a data set used in this analysis.

yellow – hits for the query, $DC = 1$

red – manually added, $DC = 1$

green, blue – referenced only, $DC = 0$

$DC = 2$ for works with short description constructed manually for the most referenced works. Fields: `AU`, `PU`, `TI`, `PY`, `PG`, `KW`.

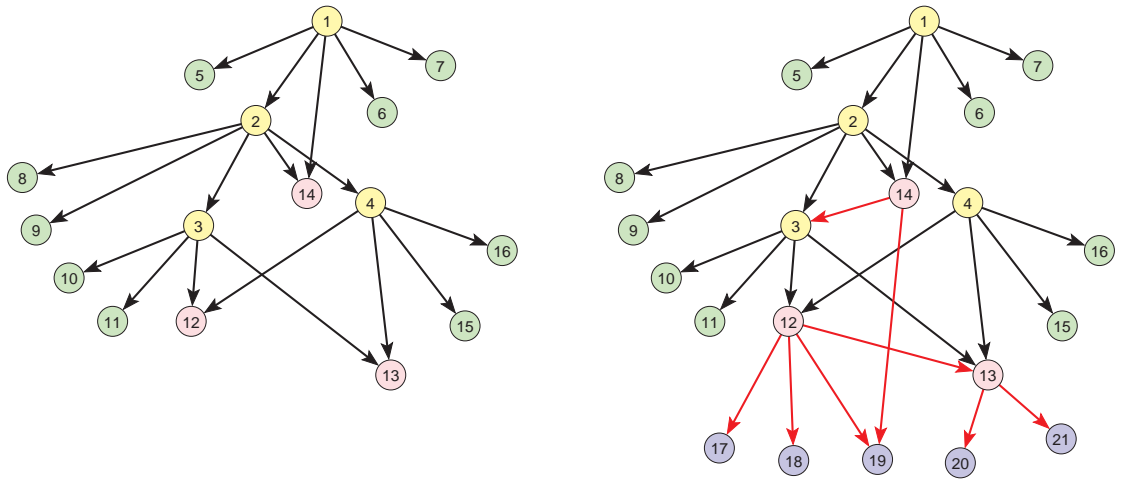


Figure 2: Citation network structure

2.2 Added works

MOHER_D(2009)62:1006	1482144 Moher, D	Preferred Reporting Items for Systematic Reviews and Meta-Analyses: The PRISMA Statement	J CLIN EPIDEMIOL	2009
MOHER_D(2009)131:264	1482254 Moher, D	Preferred Reporting Items for Systematic Reviews and Meta-Analyses: The PRISMA Statement	ANN INTERN MED	2009
LIBERATI_A(2009)1339:92700	1482359 Liberati, A	The PRISMA statement for reporting systematic reviews and meta-analyses of studies that evaluate health care intervention	BMJ BRIT MED J	2009
MOHER_D(2009)1339:92335	1482652 Moher, D	Preferred reporting items for systematic reviews and meta-analyses: the PRISMA statement	BMJ BRIT MED J	2009
LIBERATI_A(2009)6:1000100	1482742 Liberati, A	The PRISMA Statement for Reporting Systematic Reviews and Meta-Analyses of Studies That Evaluate Health Care Interventions	PLOS MED	2009
MOHER_D(2009)6:1000097	1483050 Moher, D	Preferred Reporting Items for Systematic Reviews and Meta-Analyses: The PRISMA Statement	PLOS MED	2009
GARFIELD_E(2006)2:95:90	1483204 Garfield, E	The history and meaning of the journal impact factor	JAMA-J AM MED ASSOC	2006
HIRSCH_J(2005)10:2:16569	1483266 Hirsch, JE	An index to quantify an individual's scientific research output	P NATL ACAD SCI USA	2005
IOANNIDIS_IPA(2005)2:696	1483309 Ioannidis, JPA	Why most published research findings are false	PLOS MED	2005
ATKINS_D(2004)328:1490	1483387 Atkins, D	Grading quality of evidence and strength of recommendations	BRIT MED J	2004
CHAN_A(2004)291:2457	1483518 Chan, AW	Empirical evidence for selective reporting of outcomes in randomized trials - Comparison of protocols to published articles	JAMA-J AM MED ASSOC	2004
HIGGINS_J(2003)327:557	1483605 Higgins, JPT	Measuring inconsistency in meta-analyses	BRIT MED J	2003
KRZYZANOWSKA_M(2003)3290:495	1483672 Krzyzanowska, M	Factors associated with failure to publish large randomized trials presented at an oncology meeting	JAMA-J AM MED ASSOC	2003
LEXCHIN_J(2003)328:1167	1483752 Lexchin, J	Pharmaceutical industry sponsorship and research outcome and quality: systematic review	BRIT MED J	2003
HIGGINS_J(2002)21:1539	1483872 Higgins, JPT	Quantifying heterogeneity in a meta-analysis	STAT MED	2002
BHANDARI_M(2002)2844:615	1483947 Bhandari, M	An observational study of orthopaedic abstracts and subsequent full-text publications	J BONE JOINT SURG AM	2002
MOHER_D(2001)1285:1987	1484022 Moher, D	The CONSORT statement: Revised recommendations for improving the quality of parallel-group randomized trials	JAMA-J AM MED ASSOC	2001
ALTMAN_D(2001)134:663	1484099 Altman, DG	The revised CONSORT statement for reporting randomized trials: Explanation and elaboration	ANN INTERN MED	2001
MOHER_D(2001)1857:1191	1484369 Moher, D	The CONSORT statement: revised recommendations for improving the quality of reports of parallel-group randomised trials	LANCET	2001
HARRIS_R(2001)20:21	1484444 Harris, RP	Current methods of the US Preventive Services Task Force - A review of the process	AM J PREV MED	2001
STROUP_D(2000)283:2008	1484554 Stroup, DF	Meta-analysis of observational studies in epidemiology - A proposal for reporting	JAMA-J AM MED ASSOC	2000
MOHER_D(1999)354:1896	1484673 Moher, D	Improving the quality of reports of meta-analyses of randomised controlled trials: the QUOROM statement	LANCET	1999
GARFIELD_E(1999)161:979	1484779 Garfield, E	Journal impact factor: a brief review	CAN MED ASSOC J	1999
JUNI_P(1999)282:1054	1484823 Juni, P	The hazards of scoring the quality of clinical trials for meta-analysis	JAMA-J AM MED ASSOC	1999
MOHER_D(1998)352:609	1484934 Moher, D	Does quality of reports of randomised trials affect estimates of intervention efficacy reported in meta-analyses?	LANCET	1998
LINK_A(1998)280:246	1485025 Link, AM	US and non-US submissions - An analysis of reviewer bias	JAMA-J AM MED ASSOC	1998
CALIAHAM_M(1998)280:254	1485071 Caliaham, ML	Positive-outcome bias and other limitations in the outcome of research abstracts submitted to a scientific meeting	JAMA-J AM MED ASSOC	1998
DOWNS_S(1998)52:377	1485161 Downs, SH	The feasibility of creating a checklist for the assessment of the methodological quality both of randomised and non-random	J EPIDEMIOL COMMUN H	1998
EGGER_M(1997)315:629	1485228 Egger, M	Bias in meta-analysis detected by a simple graphical test	BRIT MED J	1997
SEGLEN_P(1997)314:498	1485322 Seglen, PO	Why the impact factor of journals should not be used for evaluating research	BRIT MED J	1997
BEGG_C(1996)27:637	1485408 Begg, C	Improving the quality of reporting of randomised controlled trials - The CONSORT statement	JAMA-J AM MED ASSOC	1996
SACKETT_D(1996)312:71	1485504 Sackett, DL	Evidence based medicine: What it is and what it isn't - It's about integrating individual clinical expertise and the best external	BRIT MED J	1996
SCHULZ_K(1995)273:408	1485561 Schulz, KF	EMPIRICAL-EVIDENCE OF BIAS - DIMENSIONS OF METHODOLOGICAL QUALITY ASSOCIATED WITH ESTIMATES OF TREATMENT	JAMA-J AM MED ASSOC	1995
BEGG_C(1994)50:1088	1485641 Begg, CB	OPERATING CHARACTERISTICS OF A BANK CORRELATION TEST FOR PUBLICATION BIAS	BIOMETRICS	1994
ALTMAN_D(1994)308:283	1485696 Altman, DG	THE SCANDAL OF POOR MEDICAL RESEARCH	BRIT MED J	1994
COHEN_J(1992)112:155	1485776 Cohen, J	A POWER PRIMER	PSYCHOL BULL	1992
DICKERSIN_K(1992)267:374	1485819 Dickersin, K	FACTORS INFLUENCING PUBLICATION OF RESEARCH RESULTS - FOLLOW-UP OF APPLICATIONS SUBMITTED TO 2 INSTITUTIONS	JAMA-J AM MED ASSOC	1992
EASTERBROOK_P(1991)337:867	1485894 Easterbrook, P	PUBLICATION BIAS IN CLINICAL RESEARCH	LANCET	1991
BRENNAN_T(1991)324:370	1485964 Brennan, TA	INCIDENCE OF ADVERSE EVENTS AND NEGLIGENCE IN HOSPITALIZED PATIENTS - RESULTS OF THE HARVARD MEDICAL-PRACTICE	NEW ENGL J MED	1991
DICKERSIN_K(1990)263:1385	1486043 Dickersin, K	THE EXISTENCE OF PUBLICATION BIAS AND RISK-FACTORS FOR ITS OCCURRENCE	JAMA-J AM MED ASSOC	1990
DICKERSIN_K(1987)8:343	1486119 Dickersin, K	PUBLICATION BIAS AND CLINICAL TRIALS	CONTROL CLIN TRIALS	1987
DERSIMONIAN_D(1986)7:177	1486183 DerSimonian, D	METAANALYSIS IN CLINICAL TRIALS	CONTROL CLIN TRIALS	1986
GOLDMAN_L(1980)303:255	1486240 Goldman, L	FATE OF CARDIOLOGY RESEARCH ORIGINALLY PUBLISHED IN ABSTRACT FORM	NEW ENGL J MED	1980
WILSON_J(1978)61:1697	1486290 Wilson, JD	70TH ANNUAL MEETING OF AMERICAN SOCIETY FOR CLINICAL INVESTIGATION, SAN FRANCISCO, CALIFORNIA, 30 APRIL 1979	J CLIN INVEST	1978
LANDIS_I(1977)31:159	1486339 Landis, JR	MEASUREMENT OF OBSERVER AGREEMENT FOR CATEGORICAL DATA	BIOMETRICS	1977
GARFIELD_E(1977)178:471	1486446 Garfield, E	CITATION ANALYSIS AS A TOOL IN JOURNAL EVALUATION - JOURNALS CAN BE RANKED BY FREQUENCY AND IMPACT OF CITATION	SCIENCE	1977
ZUCKERMAN_H(1971)9:66	1486534 Zuckerman, H	PATTERNS OF EVALUATION IN SCIENCE - INSTITUTIONALISATION, STRUCTURE AND FUNCTIONS OF REFERENCE SYSTEM	MINDERVA	1971
MERTON_RK(1968)159:56	1486635 Merton, RK	MATTHEW EFFECT IN SCIENCE	SCIENCE	1968
COHEN_J(1960)20:37	1486724 Cohen, J	A COEFFICIENT OF AGREEMENT FOR NOMINAL SCALES	EDUC PSYCHOL MEAS	1960
GARFIELD_E(1955)122:108	1486761 Garfield, E	CITATION INDEXES FOR SCIENCE - NEW DIMENSION IN DOCUMENTATION THROUGH ASSOCIATION OF IDEAS	SCIENCE	1955
HIGGINS_J(2011)345:d5928	1486812 Higgins, JPT	The Cochrane Collaboration's tool for assessing risk of bias in randomised trials	BRIT MED J	2011
DWAN_N(2008)31:3081	1486809 Dwan, N	Systematic Review of the Empirical Evidence of Study Publication Bias and Outcome Reporting Bias	PLOS ONE	2008
QUIYATT_I(2008)336:924	1487038 Quiyatt, GH	GRADE: an emerging consensus on rating quality of evidence and strength of recommendations	BRIT MED J	2008
PIUNT_A(2006)1185:263	1487104 Piunt, AC	Does the CONSORT checklist improve the quality of reports of randomised controlled trials? A systematic review	MED AUSTRALIA	2006
WHITTEMORE_R(2005)52:546	1487293 Whittemore, R	The integrative review: updated methodology	J ADV NURS	2005
DESJARLAIS_D(2004)31:361	1487277 Desjarlais, DC	Improving the reporting quality of nonrandomized evaluations of behavioral and public health interventions: The TREND statement	AM J PUBLIC HEALTH	2004
LAWRENCE_P(2003)422:259	1487336 Lawrence, PA	The politics of publication - Authors, reviewers and editors must act to protect the quality of research.	NATURE	2003
HOPPIN_F(2002)166:1019	1487380 Hoppin, FG	How I review an original scientific article	AM J RESP CRIT CARE	2002
RIORDAN_F(2000)83:524	1487431 Riordan, FAI	Do presenters to paediatric meetings get their work published?	ARCH DIS CHILD	2000
DUVAL_S(2000)56:455	1487482 Duval, S	Trim and fill: A simple funnel-plot-based method of testing and adjusting for publication bias in meta-analysis	BIOMETRICS	2000
TURNER_R(1998)352:837	1487553 Turner, RC	Intensive blood-glucose control with sulphonylureas or insulin compared with conventional treatment and risk of complications	LANCET	1998
TOPPING_K(1998)68:249	1488441 Topping, K	Peer assessment between students in colleges and universities	REV EDUC RES	1998
STERN_J(1997)315:640	1488611 Stern, JM	Publication bias: evidence of delayed publication in a cohort study of clinical research projects	BRIT MED J	1997
RENNIE_D(1997)278:579	1488680 Rennie, D	When authorship fails - A proposal to make contributors accountable	JAMA-J AM MED ASSOC	1997
DAVIS_DA(1995)274:700	1488802 Davis, DA	CHANGING PHYSICIAN PERFORMANCE: A SYSTEMATIC REVIEW OF THE EFFECT OF CONTINUING MEDICAL EDUCATION	JAMA-J AM MED ASSOC	1995
STRAYHORN_J(1993)150:947	1488974 Strayhorn, J	AN INTERVENTION TO IMPROVE THE RELIABILITY OF MANUSCRIPT REVIEWS FOR THE JOURNAL OF THE AMERICAN ACADEMY OF PSYCHIATRY	AM J PSYCHIAT	1993
FISKE_D(1990)45:591	1489046 Fiske, DW	BUT THE REVIEWERS ARE MAKING DIFFERENT CRITICISMS OF MY PAPER - DIVERSITY AND UNIQUENESS IN REVIEWER COMMENTS	AM PSYCHOL	1990
GARDNER_MI(1990)263:1355	1489088 Gardner, MI	AN EXPLORATORY STUDY OF STATISTICAL ASSESSMENT OF PAPERS PUBLISHED IN THE BRITISH MEDICAL JOURNAL	JAMA-J AM MED ASSOC	1990
CHALMERS_J(1990)263:1405	1489149 Chalmers, J	UNDERREPORTING RESEARCH'S SCIENTIFIC MISCONDUCT	JAMA-J AM MED ASSOC	1990
BAKANIC_V(1987)52:631	1489222 Bakanic, V	THE MANUSCRIPT REVIEW AND DECISION-MAKING PROCESS	AM SOCIOL REV	1987
SIMES_RJ(1986)4:1529	1489300 Simes, RJ	PUBLICATION BIAS - THE CASE FOR AN INTERNATIONAL REGISTRY OF CLINICAL TRIALS	J CLIN ONCOL	1986
DAVIDSON_R(1986)1:155	1489388 Davidson, SA	SOURCE OF FUNDING AND OUTCOME OF CLINICAL TRIALS	J GEN INTERN MED	1986
MCCORMICK_M(1985)139:122	1489420 McCormick, M	PUBLICATION OF RESEARCH PRESENTED AT THE PEDIATRIC MEETINGS - CHANGE IN SELECTION	AM J DIS CHILD	1985
ZIGMOND_A(1983)67:361	1489466 Zigmond, AS	THE HOSPITAL ANXIETY AND DEPRESSION SCALE	ACTA PSYCHIATR SCAND	1983
MARTIN_BR(1983)12:61	1489512 Martin, BR	ASSESSING BASIC RESEARCH - SOME PARTIAL INDICATORS OF SCIENTIFIC PROGRESS IN RADIO ASTRONOMY	RES POLICY	1983
MERANZE_J(1982)61:445	1489600 Meranze, J	PUBLICATIONS RESULTING FROM ANESTHESIA MEETING ABSTRACTS	ANESTH ANALG	1982
CHALMERS_TC(1981)3:231	1489639 Chalmers, TC	A METHOD FOR ASSESSING THE QUALITY OF A RANDOMIZED CONTROL TRIAL	CONTROL CLIN TRIALS	1981
SHROUT_P(1979)86:420	1489736 ShROUT, PE	INTRACLASS CORRELATIONS - USES IN ASSESSING RATER RELIABILITY	PSYCHOL BULL	1979
ROSENTHAL_R(1978)68:638	1489762 Rosenthal, R	THE FILE DRAWER PROBLEM AND TOLERANCE FOR NULL RESULTS	PSYCHOL BULL	1978
GOTTFREDSON_I(1978)33:920	1489808 Gottfredson, I	EVALUATING PSYCHOLOGICAL RESEARCH REPORTS - DIMENSIONS, RELIABILITY, AND CORRELATES OF QUALITY JUDGMENTS	AM PSYCHOL	1978
SCOTT_WA(1974)29:698	1489890 Scott, WA	INTER-REFEREE AGREEMENT ON SOME CHARACTERISTICS OF MANUSCRIPTS SUBMITTED TO JOURNAL OF PERSONALITY AND AM PSYCHOL	AM PSYCHOL	1974
CRANE_D(1967)2:195	1489930 Crane, D	GATEKEEPERS OF SCIENCE - SOME FACTORS AFFECTING SELECTION OF ARTICLES FOR SCIENTIFIC JOURNALS	AM SOCIOL	1967
DONABEDI_A(1966)44:166	1489981 Donabedi, A	EVALUATING QUALITY OF MEDICAL CARE	MILBANK FUND Q	1966
HILL_AB(1965)58:295	1490075 Hill, AB	ENVIRONMENT AND DISEASE - ASSOCIATION OR CAUSATION	P ROY SOC MED	1965
COCHRAN_W(1954)4:10:101	1490112 Cochran, WG	THE COMBINATION OF ESTIMATES FROM DIFFERENT EXPERIMENTS	BIOMETRICS	1954
MOHER_D(2010)340:c869	1490157 Moher, D	CONSORT 2010 Explanation and Elaboration: updated guidelines for reporting parallel group randomised trials	BMJ BRIT MED J	2010
BORNMANN_N(2008)6:45	1490655 Bornmann, N	What do citation counts measure? A review of studies on citing behavior	J DOC	2008
SANDERSON_S(2007)36:666	1490892 Sanderson, S	Tools for assessing quality and susceptibility to bias in observational studies in epidemiology: a systematic review and annotated	INT J EPIDEMIOL	2007
SAHA_S(2003)39:142	1491026 Saha, S	Impact factor: a valid measure of journal quality?	J MED LIBR ASSOC	2003
ROSSOUW_WJ(2002)288:321	1491052 Rossouw, JE	Risks and benefits of estrogen plus progestin in healthy postmenopausal women - Principal results from the Women's Health	JAMA-J AM MED ASSOC	2002
OLSON_CM(2002)287:2825	1491200 Olson, CM	Publication bias in editorial decision making	JAMA-J AM MED ASSOC	2002

ADAM_D(2002)415:726	1491299 Adam, D	The counting house	NATURE	2002
KNOWLER_W(2002)346:393	1491336 Knowler, WC	Reduction in the incidence of type 2 diabetes with lifestyle intervention or metformin	NEW ENGL J MED	2002
MOHER_D(2001)285:1992	1491416 Moher, D	Use of the CONSORT statement and quality of reports of randomized trials - A comparative before-and-after evaluation	JAMA-J AM MED ASSOC	2001
ZAZA_S(2000)18:44	1491478 Zaza, S	Data collection instrument and procedure for systematic reviews in the Guide to Community Preventive Services	AM J PREV MED	2000
JACKSON_K(2000)20:2	1491561 Jackson, KR	Publication of abstracts submitted to the annual meeting of the Pediatric Orthopaedic Society of North America	J PEDIATR ORTHOPED	2000
EISENBERG_D(1998)280:1569	1491613 Eisenberg, DM	Trends in alternative medicine use in the United States, 1990-1997 - Results of a follow-up national survey	JAMA-J AM MED ASSOC	1998
BERO_L(1998)317:465	1491699 Bero, LA	Getting research findings into practice - Closing the gap between research and practice: an overview of systematic reviews	BRIT MED J	1998
OPPENHEIM_C(1997)53:477	1491782 Oppenheim, C	The correlation between citation counts and the 1992 research assessment exercise ratings for British research in genetics	J DOC	1997
COOK_D(1997)126:376	1491849 Cook, DJ	Systematic reviews: Synthesis of best evidence for clinical decisions	ANN INTERN MED	1997
CLEVER_L(1997)126:36	1491934 Clever, LH	Uniform requirements for manuscripts submitted to biomedical journals	ANN INTERN MED	1997
SIEGEL_J(1996)276:1339	1491989 Siegel, JE	Recommendations for reporting cost-effectiveness analyses	JAMA-J AM MED ASSOC	1996
GARFIELD_E(1996)133:411	1492053 Garfield, E	How can impact factors be improved?	BRIT MED J	1996
OXMAN_A(1995)153:1423	1492098 OXMAN, AD	NO MAGIC BULLETS - A SYSTEMATIC REVIEW OF 102 TRIALS OF INTERVENTIONS TO IMPROVE PROFESSIONAL PRACTICE	CAN MED ASSOC J	1995
MOHER_D(1995)16:62	1492283 MOHER, D	ASSESSING THE QUALITY OF RANDOMIZED CONTROLLED TRIALS - AN ANNOTATED-BIBLIOGRAPHY OF SCALES AND CHECKLISTS	CONTROL CLIN TRIALS	1995
DICKERSIN_K(1994)309:1286	1492391 DICKERSIN, K	SYSTEMATIC REVIEWS - IDENTIFYING RELEVANT STUDIES FOR SYSTEMATIC REVIEWS	BRIT MED J	1994
ROCHON_P(1994)272:1108	1492468 ROCHON, PA	EVALUATING THE QUALITY OF ARTICLES PUBLISHED IN JOURNAL SUPPLEMENTS COMPARED WITH THE QUALITY OF THOSE IN JAMA-J AM MED ASSOC	JAMA-J AM MED ASSOC	1994
SHAMMOON_H(1993)329:977	1492557 SHAMMOON, H	THE EFFECT OF INTENSIVE TREATMENT OF DIABETES ON THE DEVELOPMENT AND PROGRESSION OF LONG-TERM COMPLICATIONS	NEW ENGL J MED	1993
JENCKS_S(1992)268:900	1494072 JENCKS, SF	THE HEALTH-CARE QUALITY IMPROVEMENT INITIATIVE - A NEW APPROACH TO QUALITY ASSURANCE IN MEDICARE	JAMA-J AM MED ASSOC	1992
WARE_J(1992)30:473	1494135 WARE, JE	THE MOS 36-ITEM SHORT-FORM HEALTH SURVEY (SF-36). 1. CONCEPTUAL-FRAMEWORK AND ITEM SELECTION	MED CARE	1992
RUBENSTEIN_L(1990)264:1974	1494223 RUBENSTEIN, LV	CHANGES IN QUALITY OF CARE FOR 5 DISEASES MEASURED BY IMPLICIT REVIEW, 1981 TO 1986	JAMA-J AM MED ASSOC	1990
CHALMERS_T(1990)263:1393	1494295 CHALMERS, TC	MINIMIZING THE 3 STAGES OF PUBLICATION BIAS	JAMA-J AM MED ASSOC	1990
BERNICK_D(1990)320:53	1494362 BERNICK, DM	CONTINUOUS IMPROVEMENT AS AN IDEAL IN HEALTH-CARE	NEW ENGL J MED	1990
DONABEDIAN_A(1988)260:1743	1494409 DONABEDIAN, A	THE QUALITY OF CARE - HOW CAN IT BE ASSESSED?	JAMA-J AM MED ASSOC	1988
HARGENS_LL(1988)53:139	1494472 HARGENS, LL	SCHOLARLY CONSENSUS AND JOURNAL REJECTION RATES	AM SOCIOL REV	1988
SACKS_HS(1987)316:450	1494538 SACKS, HS	META-ANALYSES OF RANDOMIZED CONTROLLED TRIALS	NEW ENGL J MED	1987
STOSSEL_T(1985)312:658	1494603 STOSSEL, TP	REVIEWER STATUS AND REVIEW QUALITY - EXPERIENCE OF THE JOURNAL-OF-CLINICAL-INVESTIGATION	NEW ENGL J MED	1985
HAMILTON_M(1980)23:56	1494635 HAMILTON, M	A RATING SCALE FOR DEPRESSION	J NEUROL NEUROSUR P	1980
STERLING_T(1959)54:30	1494667 STERLING, TD	PUBLICATION DECISIONS AND THEIR POSSIBLE EFFECTS ON INFERENCES DRAWN FROM TESTS OF SIGNIFICANCE - OR VICE VERSA	J AM STAT ASSOC	1959
MANDAVILL_A(2009)302:977	1494707 Mandavilli, A	TRIAL BY TWITTER	NATURE	2011
MATHEU_S(2009)302:977	1494741 Mathieu, S	Comparison of Registered and Published Primary Outcomes in Randomized Controlled Trials	JAMA-J AM MED ASSOC	2009
BORNHANN_N(2008)359:830	1494833 Bornhann, L	Are there better indices for evaluation purposes than the h index? a comparison of nine different variants of the h index using	J AM SOC INF SCI TECH	2008
TURNER_E(2008)358:252	1494931 Turner, EH	Selective publication of antidepressant trials and its influence on apparent efficacy	NEW ENGL J MED	2008
MEHO_L(2007)38:2105	1495025 Meho, LI	Impact of data sources on citation counts and rankings of LIS faculty: Web of science versus scopus and google scholar	J AM SOC INF SCI TECH	2007
VONELM_E(2007)372:11453	1495128 von Elm, E	The Strengthening of Reporting of Observational Studies in Epidemiology (STROBE) statement: guidelines for reporting observational studies	LANCET	2007
HUEDO-MEDINA_T(2006)11:193	1495213 Huedo-Medina, T	Assessing heterogeneity in meta-analysis: Q statistic, I ² and I ²	PSYCHOL METHODS	2006
EGGHE_L(2006)6:131	1495313 Egghe, L	Theory and practice of the g-index	SCIENTOMETRICS	2006
GILES_J(2005)438:900	1495367 Giles, J	Internet encyclopaedias go head to head	NATURE	2005
LEIMU_R(2005)20:28	1495399 Leimu, R	What determines the citation frequency of ecological papers?	TRENDS ECOL EVOL	2005
VONELM_E(2004)291:974	1495488 von Elm, E	Different patterns of duplicate publication - An analysis of articles used in systematic reviews	JAMA-J AM MED ASSOC	2004
MAHER_C(2003)83:713	1495616 Maher, CG	Reliability of the PEDro scale for rating quality of randomized controlled trials	PHYS THER	2003
FREY_B(2003)116:205	1495701 Frey, BS	Publishing as prostitution? - Choosing between one's own ideas and academic success	PUBLIC CHOICE	2003
MCGLYNN_E(2003)348:2635	1495792 McGlynn, EA	The quality of health care delivered to adults in the United States	NEW ENGL J MED	2003
LEWINGTON_S(2002)380:1903	1495899 Lewington, S	Age-specific relevance of usual blood pressure to vascular mortality: a meta-analysis of individual data for one million adults	LANCET	2002
LAWRENCE_S(2001)41:1521	1495977 Lawrence, S	Free online availability substantially increases a paper's impact	NATURE	2001
CONCATO_J(2000)342:1887	1496010 Concato, J	Randomized, controlled trials, observational studies, and the hierarchy of research designs	NEW ENGL J MED	2000
ASHBURNER_M(2000)25:25	1496089 Ashburner, M	Gene Ontology: tool for the unification of biology	NAT GENET	2000
CABANA_M(1999)282:1458	1496197 Cabana, MD	Why don't physicians follow clinical practice guidelines? A framework for improvement	JAMA-J AM MED ASSOC	1999
DAVIS_D(1999)282:867	1496370 Davis, D	Impact of formal continuing medical education - Do conferences, workshops, rounds, and other traditional continuing education activities work? An evidence-based review	JAMA-J AM MED ASSOC	1999
TURNER_R(1998)352:854	1496486 Turner, RC	Effect of intensive blood-glucose control with metformin on complications in overweight patients with type 2 diabetes (UKPDS 33)	LUX LANCET	1998
SILBERG_W(1997)277:1244	1496568 Silber, WM	Assessing, controlling, and assuring the quality of medical information on the Internet - Caveat lector et viewer - Let the reader/viewer beware	JAMA-J AM MED ASSOC	1997
DAVIDSON_F(1997)277:927	1496614 Davidson, F	Uniform requirements for manuscripts submitted to biomedical journals	JAMA-J AM MED ASSOC	1997
OPHTHO_T(1997)33:1	1496674 Ophthof, T	Sense and nonsense about the impact factor	CARDIOVASC RES	1997
COOK_D(1995)48:167	1496723 COOK, DJ	METHODOLOGIC GUIDELINES FOR SYSTEMATIC REVIEWS OF RANDOMIZED CONTROL TRIALS IN HEALTH-CARE FROM THE POINT OF VIEW OF THE CLINICIAN	EPIDEMIOL J	1995
GANS_S(1994)8:165	1496768 GANS, JS	HOW ARE THE MIGHTY FALLING - REJECTED CLASSIC ARTICLES BY LEADING ECONOMISTS	J ECON PERSPECT	1994
OXMAN_A(1994)272:1367	1496811 OXMAN, AD	USERS GUIDES TO THE MEDICAL LITERATURE. 6. HOW TO USE AN OVERVIEW	JAMA-J AM MED ASSOC	1994
OXMAN_A(1994)309:648	1496893 OXMAN, AD	SYSTEMATIC REVIEWS - CHECKLISTS FOR REVIEW ARTICLES	BRIT MED J	1994
TADDIO_A(1994)150:1611	1496961 TADDIO, A	QUALITY OF NONSTRUCTURED AND STRUCTURED ABSTRACTS OF ORIGINAL RESEARCH ARTICLES IN THE BRITISH MEDICAL JOURNAL	CAN MED ASSOC J	1994
GRIMSHAW_J(1993)342:131	1497033 GRIMSHAW, JM	EFFECT OF CLINICAL GUIDELINES ON MEDICAL PRACTICE - A SYSTEMATIC REVIEW OF RIGOROUS EVALUATIONS	LANCET	1993
RANSEY_P(1993)269:1655	1497110 RANSEY, PG	USE OF PEER RATINGS TO EVALUATE PHYSICIAN PERFORMANCE	JAMA-J AM MED ASSOC	1993
LEAPE_L(1991)324:377	1497174 LEAPE, LL	THE NATURE OF ADVERSE EVENTS IN HOSPITALIZED PATIENTS - RESULTS OF THE HARVARD MEDICAL-PRACTICE STUDY-II	NEW ENGL J MED	1991
GORMAN_R(1990)32:470	1497250 GORMAN, RL	PUBLICATION OF PRESENTED ABSTRACTS AT ANNUAL SCIENTIFIC MEETINGS - A MEASURE OF QUALITY	VEH HUM TOXICOL	1990
GARFUNKEL_JM(1990)263:1369	1497290 GARFUNKEL, JM	PROBLEMS IDENTIFIED BY SECONDARY REVIEW OF ACCEPTED MANUSCRIPTS	JAMA-J AM MED ASSOC	1990
SHARP_D(1990)263:1360	1497336 SHARP, DW	WHAT CAN AND SHOULD BE DONE TO REDUCE PUBLICATION BIAS - THE PERSPECTIVE OF AN EDITOR	JAMA-J AM MED ASSOC	1990
MACROBERTS_N(1989)40:342	1497384 MACROBERTS, N	PROBLEMS OF CITATION ANALYSIS - A CRITICAL REVIEW	J AM SOC INF DRG M SCI	1989
CHARLSON_M(1987)40:373	1497483 CHARLSON, ME	A NEW METHOD OF CLASSIFYING PROGNOSTIC CO-MORBIDITY IN LONGITUDINAL STUDIES - DEVELOPMENT AND VALIDATION	J CHRON DIS	1987
DERSIMONIAN_F(1982)306:133	1497534 DERSIMONIAN, F	REPORTING ON METHODS IN CLINICAL TRIALS	NEW ENGL J MED	1982
MARSH_HW(1981)73:872	1497583 MARSH, HW	INTERJUDGMENTAL RELIABILITY OF REVIEWS FOR THE JOURNAL-OF-EDUCATIONAL-PSYCHOLOGY	J EDUC PSYCHOL	1981
CICCHETTI_D(1980)35:300	1497633 CICCHETTI, DV	RELIABILITY OF REVIEWS FOR THE AMERICAN-PSYCHOLOGIST - A BIostatistical Assessment of the Data	AM PSYCHOL	1980
BECK_AT(1961)4:561	1497703 BECK, AT	AN INVENTORY FOR MEASURING DEPRESSION	ARCH GEN PSYCHIAT	1961
MANTEL_N(1959)22:719	1497754 MANTEL, N	STATISTICAL ASPECTS OF THE ANALYSIS OF DATA FROM RETROSPECTIVE STUDIES OF DISEASE	J NATL CANCER I	1959

2.3 WoS2Pajek report.

>>> End of processing of WoS file

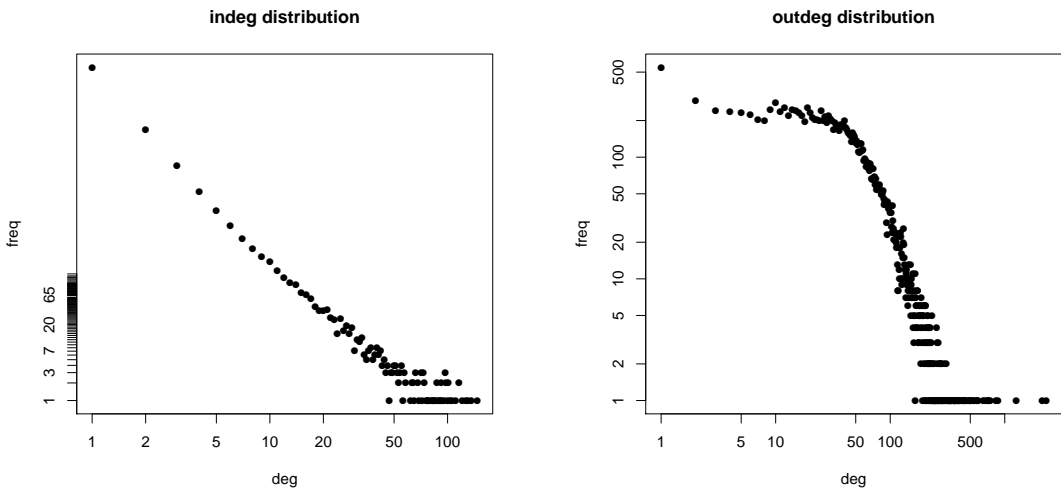


Figure 3: Degree distributions in citation network

```

number of works      = 580263
number of authors   = 248725
number of journals   = 33210
number of keywords   = 30627
number of records    = 17219
number of duplicates = 15
works + titles      : titles.csv
works index file:    vtxIndex.txt

```

```

*** FILES:
year of publication partition: C:/Users/batagelj/work/Python/WoS/peere\Year.clu
described / cited only partition: C:/Users/batagelj/work/Python/WoS/peere\DC.clu
number of pages vector: C:/Users/batagelj/work/Python/WoS/peere\NP.vec
citation network: C:/Users/batagelj/work/Python/WoS/peere\Cite.net
works X journals network: C:/Users/batagelj/work/Python/WoS/peere\WJ.net
works X keywords network: C:/Users/batagelj/work/Python/WoS/peere\WK.net
works X authors network: C:/Users/batagelj/work/Python/WoS/peere\WA.net
finished: Sun May 31 12:12:57 2015

```

We removed multiple links and loops from networks. The cleaned citation network has $n = 580263$ nodes and $m = 690881$ arcs.

3 Distributions

There are 13130 nodes with $indeg = 0$, 564990 nodes with $outdeg = 0$, and 1931 nodes with $DC = 1$ and $outdeg = 0$.

3.1 CiteAll indeg best

The most cited works in the field:

rank	node	freq	work	title
2	8038	136	PETERS_D(1982)5:187	Peer-review practices of psychological journals - the fate of accepted, published articles, submitted again
3	11484	130	STROUP_D(2000)283:2008	Meta-analysis of observational studies in epidemiology - A proposal for reporting
5	2474	121	DEKORF_R(1986)7:177	Metaanalysis in clinical-trials
6	11441	116	EGGER_M(1997)315:629	Bias in meta-analysis detected by a simple, graphical test
8	2324	111	CICCHETTI_D(1991)14:119	The reliability of peer-review for manuscript and grant submissions - A cross-disciplinary investigation
9	11589	106	EASTERBR_P(1991)337:867	Publication bias in clinical research
10	16564	103	HORROBIN_D(1990)263:1438	The philosophical basis of peer-review and the suppression of innovation
11	28831	101	VANROOYE_S(1999)318:23	Effect of open peer review on quality of reviews and on reviewers' recommendations: a randomised trial
14	14524	98	HIRSCH_J(2005)102:16569	An index to quantify an individual's scientific research output
15	12	98	MCNUTT_R(1990)263:1371	The effects of blinding on the quality of peer-review - A randomized trial
16	8035	97	ZUCKERMAN_H(1971)9:66	Patterns of evaluation in science - Institutionalisation, structure and functions of referee system
17	27745	97	GODLEE_F(1998)280:237	Effect on the quality of peer review of blinding reviewers and asking them to sign their reports - A randomized controlled trial
18	22	97	JADAD_A(1996)17:1	Assessing the quality of reports of randomized clinical trials: Is blinding necessary?
19	39712	96	HIGGINS_J(2003)327:557	Measuring inconsistency in meta-analyses
20	28825	93	JUSTICE_A(1998)280:240	Does masking author identity improve peer review quality? - A randomized controlled trial
21	20285	92	LOCK_S(1985):	A Difficult Balance: Editorial Peer Review in Medicine
22	8725	92	COLE_S(1981)214:881	Chance and consensus in peer-review
23	4801	91	MOHER_D(1999)354:1896	Improving the quality of reports of meta-analyses of randomised controlled trials: the QUOROM statement
24	8005	90	MAHONEY_M(1977)1:161	Publication prejudices: An experimental study of confirmatory bias in the peer review system
25	7052	88	LANDIS_J(1977)33:159	Measurement of observer agreement for categorical data
26	28829	87	VANROOYE_S(1998)280:234	Effect of blinding and unmasking on the quality of peer review - A randomized trial
28	28823	85	BLACK_N(1998)280:231	What makes a good reviewer and a good review for a general medical journal?
29	12555	84	GOODMAN_S(1994)121:11	Manuscript quality before and after peer-review and editing at annals of internal-medicine
30	11603	83	SCHERER_R(1994)272:158	Full publication of results initially presented in abstracts - A metaanalysis
31	75648	82	MOHER_D(2009)6:1000097	Preferred Reporting Items for Systematic Reviews and Meta-Analyses: The PRISMA Statement
32	208162	80	HIGGINS_J(2011):	Cochrane Handbook for Systematic Reviews of Interventions
33	25019	78	CHUBIN_D(1990):	Peerless Science: Peer Review and U. S. Science Policy
34	33410	77	KRONICK_D(1990)263:1321	Peer-review in 18th-century scientific journalism

Figure 4: CiteAll indeg best

Works with names [ANONYMO (2011) :, ..., WORLD_H (2009) :, ..., U_S (2011) :, ..., WHO (2008) :, ..., were removed from the lists.

3.2 CiteAll indeg best / ordered by pub-year Most cited works

name	author	title	journal	year
GLAZER_B(1967):	Glazer, BS	The Discovery of Grounded Theory: Strategies for Qualitative Research	book	1967
MERTON_R(1968):159-56	MERTON, RK	MATTHEW EFFECT IN SCIENCE	SCIENCE	1968
ZUCKERMAN_H(1971):9-66	ZUCKERMAN, H	PATTERNS OF EVALUATION IN SCIENCE - INSTITUTIONALISATION, STRUCTURE AND FUNCTIONS OF REFEREE SYSTEM	MNERVA	1971
MERTON_K(1973):	Merton, RK	The Sociology of Science	book	1973
INGELFIN_F(1974):56-686	INGELFIN, FJ	PEER REVIEW IN BIOMEDICAL PUBLICATION	AM J MED	1974
LANDOS_J(1977):33-159	LANDOS, JR	MEASUREMENT OF OBSERVER AGREEMENT FOR CATEGORICAL DATA	BIOMETRICS	1977
MAHONEY_M(1977):11-161	Mahoney, MJ	Publication prejudices: An experimental study of confirmatory bias in the peer review system	Cognitive Therapy and Resear	1977
WILSON_J(1978):6-1167	WILSON, JD	70TH ANNUAL MEETING OF AMERICAN SOCIETY FOR CLINICAL INVESTIGATION, SAN FRANCISCO, CALIFORNIA, 30 APRIL 1978 - PII	J CLIN INVEST	1978
ROSENTHAL_R(1979):86-838	ROSENTHAL, R	THE FILE DRAWER PROBLEM AND TOLERANCE FOR NULL RESULTS	PSYCHOL BULL	1979
GOLDMAN_L(1980):303-255	GOLDMAN, L	FATE OF CARIOLOGY RESEARCH ORIGINALLY PUBLISHED IN ABSTRACT FORM	NEW ENGL J MED	1980
COLE_S(1981):24-481	COLE, S	CHANGE AND CONSENSUS IN PEER REVIEW	SCIENCE	1981
PETERS_DP(1982):5-187	PETERS, DP	PEER-REVIEW PRACTICES OF PSYCHOLOGICAL JOURNALS - THE FATE OF ACCEPTED, PUBLISHED ARTICLES, SUBMITTED AGAIN	BEHAV BRAN SCI	1982
HEDGES_L(1985):	Hedges, LV	Statistical Methods for Meta-Analysis	book	1985
BAIKAR_J(1985):312-454	BAIKAR, JC	JOURNAL PEER-REVIEW - THE NEED FOR A RESEARCH AGENDA	NEW ENGL J MED	1985
LOCK_S(1985):	Lock, S	A Difficult Balance: Editorial Peer Review in Medicine	book	1985
DERSIMONIAN_R(1986):7-177	DERSIMONIAN, R	METANALYSIS IN CLINICAL TRIALS	CONTROL CLIN TRIALS	1986
COHEN_J(1988):	Cohen, J	Statistical Power Analysis for the Behavioral Sciences	book	1988
MCMUTT_R(1990):263-1371	MCMUTT, RA	THE EFFECTS OF BLINDING ON THE QUALITY OF PEER REVIEW - A RANDOMIZED TRIAL	JAMA J AM MED ASSOC	1990
DICKERS_K(1990):263-1385	DICKERS, K	THE EXISTENCE OF PUBLICATION BIAS AND RISK FACTORS FOR ITS OCCURRENCE	JAMA J AM MED ASSOC	1990
HORNROBIN_D(1990):263-1443	HORNROBIN, D	THE PHILOSOPHICAL BASIS OF PEER REVIEW AND THE SUPPRESSION OF INNOVATION	JAMA J AM MED ASSOC	1990
CHUBIN_D(1990):	Chubin, DE	Peerless Science: Peer Review and U. S. Science Policy	book	1990
KRONICK_D(1990):263-1321	KRONICK, D	PEER REVIEW IN 18TH CENTURY SCIENTIFIC JOURNALISM	JAMA J AM MED ASSOC	1990
ROYER_L(1990):	Royer, LS	Scholarship Reconsidered: Priorities of the Professionate	book	1990
BURNHAM_JA(1990):263-1323	BURNHAM, JA	THE EVOLUTION OF EDITORIAL PEER REVIEW	JAMA J AM MED ASSOC	1990
BRENNAN_T(1991):24-170	BRENNAN, TA	INCIDENCE OF ADVERSE EVENTS AND NEGLIGENCE IN HOSPITALIZED PATIENTS - RESULTS OF THE HARVARD MEDICAL PRACTICE STUDY	NEW ENGL J MED	1991
CICCHETTI_D(1991):14-139	CICCHETTI, DV	THE RELIABILITY OF PEER REVIEW FOR MANUSCRIPT AND GRANT SUBMISSIONS - A CROSS-DISCIPLINARY INVESTIGATION	BEHAV BRAN SCI	1991
EASTERBROOK_PJ(1991):337-867	EASTERBROOK, PJ	PUBLICATION BIAS IN CLINICAL RESEARCH	LANCET	1991
DICKERS_K(1992):267-374	DICKERS, K	FACTORS INFLUENCING PUBLICATION OF RESEARCH RESULTS - FOLLOW UP OF APPLICATIONS SUBMITTED TO 2 INSTITUTIONAL REVIEW BOARDS	JAMA J AM MED ASSOC	1992
GOLDMAN_RL(1992):267-358	GOLDMAN, RL	THE RELIABILITY OF PEER ASSESSMENTS OF QUALITY OF CARE	JAMA J AM MED ASSOC	1992
COHEN_J(1992):112-155	COHEN, J	A POWER PRIMER	PSYCHOL BULL	1992
EVANS_AT(1993):8-422	EVANS, AT	THE CHARACTERISTICS OF PEER REVIEWERS WHO PRODUCE GOOD-QUALITY REVIEWS	J GEN INTERN MED	1993
DANIEL_HD(1993):	Daniel, HD	Guardians of Science - Fostering and Reliability of Peer Review	book	1993
FISHER_M(1994):272-143	FISHER, M	THE EFFECTS OF BLINDING ON ACCEPTANCE OF RESEARCH PAPERS BY PEER REVIEW	JAMA J AM MED ASSOC	1994
KASSIRER_JP(1994):272-96	KASSIRER, JP	PEER REVIEW - CRUDE AND UNDERSTOOD, BUT INDISPENSABLE	JAMA J AM MED ASSOC	1994
REGG_C(1994):50-1088	REGG, C	OPERATING CHARACTERISTICS OF A BANK CORRELATION TEST FOR PUBLICATION BIAS	BIOMETRICS	1994
SCHERER_RW(1994):272-158	SCHERER, RW	FULL PUBLICATION OF RESULTS INITIALLY PRESENTED IN ABSTRACTS - A METAANALYSIS	JAMA J AM MED ASSOC	1994
GOODMAN_SN(1994):121-11	GOODMAN, SN	MANUSCRIPT QUALITY BEFORE AND AFTER PEER REVIEW AND EDITING AT ANNUALS OF INTERNAL MEDICINE	ANN INTERN MED	1994
NYLENNA_M(1994):272-149	NYLENNA, M	MULTIPLE BLINDED REVIEWS OF THE 2 MANUSCRIPTS - EFFECTS OF REFEREE CHARACTERISTICS AND PUBLICATION LANGUAGE	JAMA J AM MED ASSOC	1994
SCHLIZ_KJ(1994):272-1608	SCHLIZ, KJ	EMPIRICAL EVIDENCE OF BIAS - CONSEQUENCES OF METHODOLOGICAL QUALITY ASSOCIATED WITH ESTIMATES OF TREATMENT EFFECT	JAMA J AM MED ASSOC	1994
JADAD_AR(1996):17-1	Jadad, AR	Assessing the quality of reports of randomized clinical trials: Is blinding necessary?	CONTROL CLIN TRIALS	1996
REGG_C(1996):276-37	Regg, C	Improving the quality of reporting of randomized controlled trials - The CONSORT statement	JAMA J AM MED ASSOC	1996
SACKETT_DL(1996):132-71	SACKETT, DL	Evidence based medicine: What is it and what it isn't: It's about integrating individual clinical expertise and the best external evidence	BRIT MED J	1996
GOLD_MR(1996):	Gold, MR	Cost Effectiveness in Health and Medicine	book	1996
WENNERAS_C(1997):1837-341	Wenneras, C	Negotiation and sexism in peer-review	NATURE	1997
EGGER_M(1997):315-529	Egger, M	Bias in meta-analysis detected by a simple, graphical test	BRIT MED J	1997
SEGLEN_PD(1997):314-488	Seglen, PD	Why the impact factor of journals should not be used for evaluating research	BRIT MED J	1997
DOWNES_SH(1998):52-377	Downes, SH	The feasibility of creating a checklist for the assessment of the methodological quality both of randomised and non-randomised stu	J EPIDEMIOL COMMUN H	1998
WEBER_EJ(1998):280-257	WEBER, EJ	Unpublished research from a medical specialty meeting - Why investigators fail to publish	JAMA J AM MED ASSOC	1998
GODLEE_F(1998):280-237	Godlee, F	Effect on the quality of peer review of blinding reviewers and asking them to sign their reports - A randomized controlled trial	JAMA J AM MED ASSOC	1998
BLAK_N(1998):280-251	Blak, N	What makes a good reviewer and a good review for a general medical journal?	JAMA J AM MED ASSOC	1998
LUSTIG_A(1998):280-240	Lustig, AC	Does masking author identity improve peer review quality? - A randomized controlled trial	JAMA J AM MED ASSOC	1998
VANROOYE_S(1998):280-234	van Rooyen, S	Effect of blinding and unmasking on the quality of peer review - A randomized trial	JAMA J AM MED ASSOC	1998
CAMPANARO_M(1998):19-181	Camparario, M	Peer review for journals as it stands today - Part 1	SCI COMMUN	1998
CALLAHAN_M(1998):280-229	Callahan, M	Reliability of editors' subjective quality ratings of peer reviews of manuscripts	JAMA J AM MED ASSOC	1998
JUNI_P(1999):282-3054	Juni, P	The hazards of scoring the quality of clinical trials for meta-analysis	JAMA J AM MED ASSOC	1999
VANROOYE_S(1999):318-23	van Rooyen, S	Effect of open peer review on quality of reviews and on reviewers' recommendations: a randomised trial	BRIT MED J	1999
VANROOYE_S(1999):32-125	van Rooyen, S	Development of the Review Quality Instrument (RQI) for assessing peer reviews of manuscripts	J CLIN EPIDEMIOL	1999
SMITH_R(1999):318-4	Smith, R	Opening up BMJ peer review - A beginning that should lead to complete transparency	BRIT MED J	1999
STROUP_DF(2000):283-2008	Stroup, DF	Meta-analysis of observational studies in epidemiology - A proposal for reporting	JAMA J AM MED ASSOC	2000
WALSH_K(2000):376-47	Walsh, E	Open peer review: a randomised controlled trial	BRIT PSYCHIAT	2000
ROTHWELL_P(2000):312-1964	Rothwell, PM	Reproducibility of peer review in clinical neuroscience - Is agreement between reviewers any greater than would be expected by ch	BRAIN	2000
HARRIS_RP(2001):30-21	Harris, RP	Current methods of the US Preventive Services Task Force - A review of the process	AM J PREV MED	2001
ALTMAN_DG(2001):334-663	Altman, DG	The revised CONSORT statement for reporting randomized trials: Explanation and elaboration	ANN INTERN MED	2001
WELLER_AC(2001):	Weller, AC	Editorial Peer Review: Its Strengths and Weaknesses	book	2001
HIGGINS_JPT(2001):287-2786	Higgins, JPT	Quantifying heterogeneity in a meta-analysis	STAT MED	2001
JEFFERSON_T(2001):287-2786	Jefferson, T	Measuring the quality of editorial peer review	JAMA J AM MED ASSOC	2001
JEFFERSON_T(2001):287-2784	Jefferson, T	Effects of editorial peer review - A systematic review	JAMA J AM MED ASSOC	2001
GODLEE_F(2002):287-2762	Godlee, F	Making reviewers visible - Openness, accountability, and credit	JAMA J AM MED ASSOC	2002
BEKELMAN_JE(2002):289-454	Bekelman, JE	Scope and impact of financial conflicts of interest in biomedical research - A systematic review	JAMA J AM MED ASSOC	2002
HIGGINS_JPT(2002):327-557	Higgins, JPT	Measuring inconsistency in meta-analyses	BRIT MED J	2002
SPRAGUE_S(2003):385A-158	Sprague, S	Barriers to full-text publication following presentation of abstracts at annual orthopaedic meetings	J BONE JOINT SURG AM	2003
CHAN_AW(2004):291-2457	Chan, AW	Empirical evidence for selective reporting of outcomes in randomized trials - Comparison of Protocols to published articles	JAMA J AM MED ASSOC	2004
SCHROTER_S(2004):328-673	Schroter, S	Effects of training on quality of peer review: randomised controlled trial	BRIT MED J	2004
HIRSCH_JE(2005):102-16569	Hirsch, JE	An index to quantify an individual's scientific research output	P NATL ACAD SCI USA	2005
SMITH_R(2006):99-178	Smith, R	Peer review - A flawed process at the heart of science and journals	J ROY SOC MED	2006
BENOIS_DI(2007):331-145	Benois, DI	The ups and downs of peer review	ADN PHYSICS EDUC	2007
SCHERER_RW(2007):pub3	SCHERER, RW	Full publication of results initially presented in abstracts	COCHRANE DATABASE OF SY	2007
HIGGINS_JPT(2008):	Higgins, JPT	Cochrane Handbook for Systematic Reviews of Interventions	book	2008
MOHER_D(2009):151-164	Moher, D	Preferred Reporting Items for Systematic Reviews and Meta-Analyses: The PRISMA Statement	ANN INTERN MED	2009
LIBERATI_A(2009):6-1000100	Liberali, A	The PRISMA Statement for Reporting Systematic Reviews and Meta-Analyses of Studies That Evaluate Health Care Interventions: Ex	PLOS MED	2009
MOHER_D(2009):6-1000097	Moher, D	Preferred Reporting Items for Systematic Reviews and Meta-Analyses: The PRISMA Statement	PLOS MED	2009
HIGGINS_JPT(2011):	Higgins, JPT	Cochrane Handbook for Systematic Reviews of Interventions	book	2011

Figure 5: CiteAll indeg best / ordered by pub-year. Most cited works.

			
1967 (43)	1973 (50)	1985 (92)	1985 (65)
			
1988 (126)	1990 (78)	1990 (52)	1993 (50)
			
1996 (58)	2001 (51)	2008 (55)	2011 (80)

Figure 6: Most cited books.

3.3 Most cited books

3.4 CiteAll outdeg best Most citing works

3.5 Citation year distribution

It can be fitted with lognormal distribution:

```
> setwd("C:\\Users\\batagelj\\work\\Python\\WoS\\peere")
> years <- read.table(file="Year1.clu",header=FALSE,skip=2,
  colClasses="character")$V1
> y <- as.numeric(years)
> t <- table(y[!is.na(y)])
> year <- as.integer(names(t))
> freq <- as.vector(t[1950<=year & year<=2015])
> y <- 1950:2015
```

rank	node	outdeg	work	title
1	290441	2306	GOLDSTEI_R(2010)53:4343	Heat transfer-A review of 2004 literature
2	175921	2127	GOLDSTEI_R(2010)53:4397	Heat transfer-A review of 2005 literature
3	5541	1259	HILLIS_L(2011)58:E123	2011 ACCF/AHA Guideline for Coronary Artery Bypass Graft Surgery
4	6068	872	LEVINE_G(2011)58:E44	2011 ACCF/AHA/SCAI Guideline for Percutaneous Coronary Intervention
5	144032	837	DELEON_G(2007):1	Trematode parasites (Platyhelminthes) of wildlife vertebrates in Mexico
6	1585	747	ADAMS_H(2007)38:1655	Guidelines for the early management of adults with ischemic stroke - A guideline from the American Heart Association
7	4415	729	GOLDSTEI_L(2011)42:517	Guidelines for the Primary Prevention of Stroke A Guideline for Healthcare Professionals From the American Heart Association
8	525591	711	WILLHITE_C(2014)44:1	Systematic review of potential health risks posed by pharmaceutical, occupational and consumer exposures to metallic and nanoscale aluminum, ...
9	132542	710	SMITH_L(2012)17:510	Single-Case Experimental Designs: A Systematic Review of Published Research and Current Standards
10	211490	671	AKSULU_A(2010)11:576	A Comprehensive Review and Synthesis of Open Source Research
11	492189	651	MILLER_C(1990)62:700	Groundwater - A review of the 1989 literature
12	3943	586	GOLDSTEI_L(2006)37:1583	Primary prevention of ischemic stroke - A guideline from the American Heart Association
13	313264	577	FLEGAL_A(2013)43:1869	All the Lead in China
14	15310	569	GOLDSTEI_L(2006)113:E873	Primary prevention of ischemic stroke - A guideline from the American heart Association
15	199315	538	EVANS_E(2004)19:775	Atomic spectrometry update. Advances in atomic emission, absorption and fluorescence spectrometry and related techniques
16	4714	533	ROACH_R(2008)39:2644	Management of stroke in infants and children - A scientific statement from a special writing group of the American Heart Association
17	23743	517	SANTEN_R(2010)95:57	Postmenopausal Hormone Therapy: An Endocrine Society Scientific Statement
18	6565	505	GORELICK_P(2011)42:2672	Vascular Contributions to Cognitive Impairment and Dementia A Statement for Healthcare Professionals From the American Heart Association
19	285306	493	HILLIS_L(2011)58:2584	2011 ACCF/AHA Guideline for Coronary Artery Bypass Graft Surgery: Executive Summary A Report of the American College of Cardiology Foundation
20	115699	492	HILLIS_L(2012)143:4	2011 ACCF/AHA guideline for coronary artery bypass graft surgery: Executive summary

Figure 7: CiteAll outdeg best. Most citing works.

```

> plot(y, freq)
> model <- nls(freq ~ c * dlnorm(2016 - y, a, b), start = list(c = 350000, a = 2, b = 0.7))
> model
Nonlinear regression model
  model: freq ~ c * dlnorm(2016 - y, a, b)
  data: parent.frame()
           c           a           b
5.846e+05 2.610e+00 6.703e-01
residual sum-of-squares: 41585580

Number of iterations to convergence: 7
Achieved convergence tolerance: 8.066e-06
> lines(y, predict(model, list(x = 2016 - y)), col = 'red')

```

$$\sum freq = 569233$$

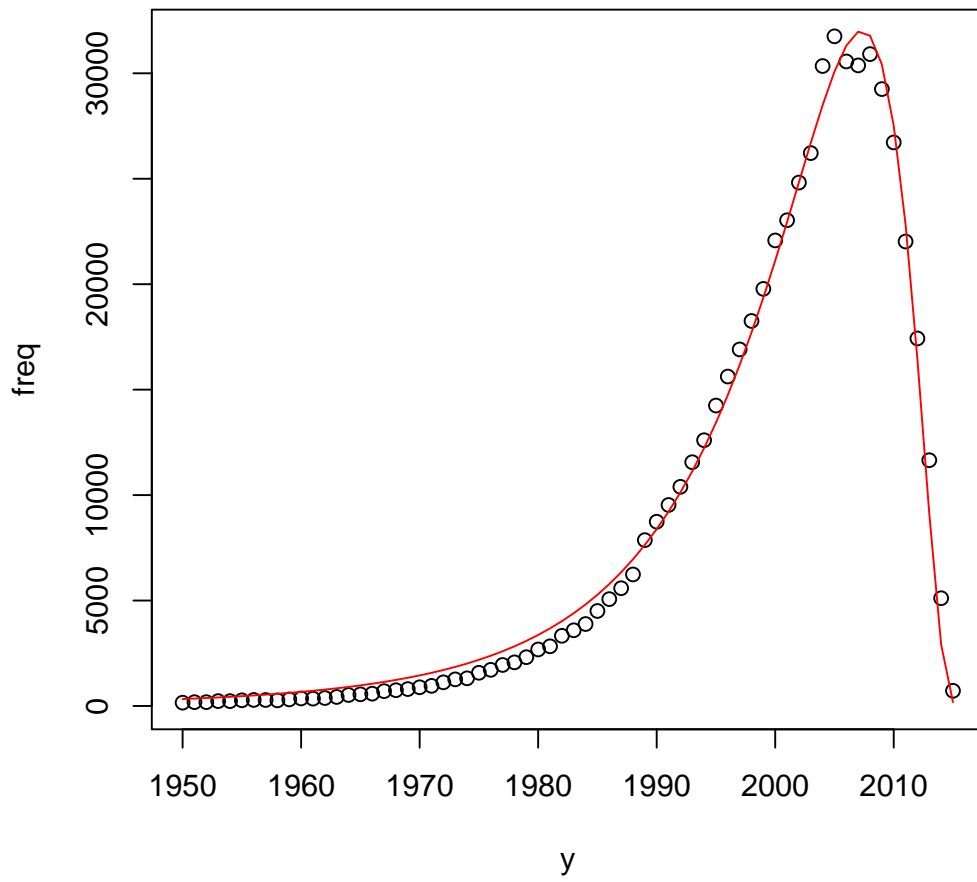


Figure 8: Citation year distribution

Table 1: WAD indeg – Authors with the largest number of works.

Rank	Deg	Id	Rank	Deg	Id
1	202	[ANONYMO_	23	20	ZHANG_L
2	57	BORNMANN_L	24	20	CALLAHAM_M
3	50	SMITH_R	25	20	WILLIAMS_A
4	46	ALTMAN_D	26	20	COHEN_J
5	45	DANIEL_H	27	19	KAISER_M
6	42	MOHER_D	28	19	SQUIRES_B
7	40	LEE_J	29	19	BROWN_C
8	36	CURTIS_K	30	19	BROWN_R
9	33	BROWN_D	31	18	FONTANAR_P
10	33	RENNIE_D	32	18	HOLLY_L
11	30	LEE_S	33	18	MARSHALL_E
12	29	SMITH_J	34	18	WILSON_D
13	29	JOHNSON_J	35	17	KENNEDY_D
14	28	REYES_H	36	17	BJORK_B
15	25	JOHNSON_C	37	17	YANG_Y
16	24	WANG_J	38	17	KIM_Y
17	22	ANDERSON_P	39	17	RESNICK_D
18	22	LEE_M	40	17	SMITH_S
19	22	ADAMS_J	41	17	WANG_H
20	22	CHENG_J	42	17	ANDERSON_J
21	21	SMITH_M	43	17	THOMPSON_A
22	21	WILLIAMS_J	44	16	MUMMANEN_P

Table 2: Weighted indegree of normalized WAD. Authors with the largest contribution to the field.

Rank	Value	Id	Rank	Value	Id
1	202.0000	[ANONYMO_	23	9.0000	KOSTOFF_R
2	26.7833	BORNMANN_L	24	9.0000	LIESEGAN_T
3	19.4500	DANIEL_H	25	8.8510	JOHNSON_J
4	17.5000	MARSHALL_E	26	8.7871	SMITH_J
5	15.8537	SMITH_R	27	8.6429	FONTANAR_P
6	14.6538	SQUIRES_B	28	8.6185	ANDERSON_M
7	14.5333	CHENG_J	29	8.5000	ROY_R
8	14.4237	RENNIE_D	30	8.3333	CHUBIN_D
9	13.8350	ALTMAN_D	31	8.3333	CICCHETT_D
10	13.0357	REYES_H	32	8.3333	DONOVAN_S
11	11.0000	GARFIELD_E	33	8.0332	MOHER_D
12	10.7565	JOHNSON_C	34	7.6440	WILLIAMS_A
13	10.6667	WELLER_A	35	7.4634	LUNDBERG_G
14	10.5758	BROWN_C	36	7.3659	JONES_A
15	10.5242	COHEN_J	37	7.3333	DOUGHERT_M
16	10.5000	MERVIS_J	38	7.3333	WALSH_J
17	9.9838	LEE_J	39	7.1658	ADAMS_J
18	9.6167	CURTIS_K	40	7.0000	ABBOTT_A
19	9.5333	ROUKIS_T	41	7.0000	KAISER_J
20	9.4167	BJORK_B	42	6.9167	MAUNSELL_J
21	9.3762	CALLAHAM_M	43	6.8770	JOHNSON_D
22	9.3314	BROWN_D	44	6.5760	WANG_J

Table 3: WJD indeg. Main journals.

Rank	Freq	Id	Rank	Freq	Id
1	286	BMJ OPEN	26	52	BEHAV BRAIN SCI
2	281	JAMA-J AM MED ASSOC	27	50	J SEX MED
3	157	SCIENCE	28	49	J GEN INTERN MED
4	144	SCIENTOMETRICS	29	46	AM J PREV MED
5	142	NATURE	30	46	MED EDUC
6	135	BRIT MED J	31	45	RES EVALUAT
7	128	PLOS ONE	32	44	ENVIRON HEALTH PERSP
8	94	ACAD MED	33	43	CLIN THER
9	88	SCIENTIST	34	42	J AM DENT ASSOC
10	77	LEARN PUBL	35	42	ANN EMERG MED
11	72	J UROLOGY	36	42	AM J ROENTGENOL
12	72	CAN MED ASSOC J	37	41	CLIN ORTHOP RELAT R
13	66	ARCH PATHOL LAB MED	38	41	CURR MED RES OPIN
14	66	ANN PHARMACOTHER	39	41	J MED INTERNET RES
15	65	ABSTR PAP AM CHEM S	40	41	NUCLEIC ACIDS RES
16	65	J AM COLL RADIOLOG	41	41	*****
17	65	LANCET	42	40	J SCHOLARLY PUBL
18	62	CUTIS	43	40	BMC PUBLIC HEALTH
19	62	ANN INTERN MED	44	39	PLAST RECONSTR SURG
20	58	ANN ALLERG ASTHMA IM	45	38	J PROSTHET DENT
21	57	PEDIATRICS	46	36	BMC HEALTH SERV RES
22	57	NEW ENGL J MED	47	36	OBSTET GYNECOL
23	53	MED J AUSTRALIA	48	36	J MANIP PHYSIOL THER
24	52	CHEM ENG NEWS	49	35	AM J SURG
25	52	J NANOSCI NANOTECHNO	50	35	CRIT CARE MED

Table 4: WKD indeg. Main keywords.

Rank	Freq	Id	Rank	Freq	Id
1	6350	review	26	928	outcome
2	3561	peer	27	921	assessment
3	2074	research	28	906	medical
4	1845	quality	29	785	program
5	1693	health	30	785	intervention
6	1533	systematic	31	783	education
7	1416	peer-review	32	782	cancer
8	1330	journal	33	756	model
9	1309	care	34	745	evaluation
10	1282	management	35	739	practice
11	1214	trial	36	730	child
12	1123	publication	37	719	control
13	1106	therapy	38	698	scientific
14	1096	patient	39	657	medicine
15	1081	study	40	650	guideline
16	1073	impact	41	640	performance
17	1064	use	42	617	process
18	1050	science	43	608	controlled-trial
19	1037	clinical	44	605	effect
20	1012	disease	45	598	factor
21	1009	randomize	46	588	disorder
22	1005	literature	47	582	surgery
23	1003	analysis	48	545	meta-analysis
24	980	treatment	49	542	woman
25	943	risk	50	541	prevention

3.6 Citation year distribution

3.7 WAD indeg

Authors with the largest number of works

3.8 Weighted indegree of normalized WAD

Authors with the largest contribution to the field

3.9 WJD indeg

Main journals

3.10 WKD indeg

Main keywords

4 Citations

4.1 Citation networks

To solve the boundary problem we manually added some “missing” works and removed nodes with $DC = 0$ and $indeg < 3$ – obtaining the network CiteB. The SPC method used for its analysis requires that the citation network is acyclic. Determining strong components in CiteB we see that our network is not acyclic. We transform it into an acyclic network, AcyclicNet, using the Preprint transformation. It has $n = 35822$ nodes and $m = 103882$ arcs.

In the network we compute the SPC weights and on their basis determine the Main path, the CPM path and link islands [20 200].

Islands labels:

16 (1) : 198	3 : 153	12 : 140	6 (4) : 52
9 (2) : 45	1 : 43	11 (3) : 36	14 (6) : 30
5 : 28	7 : 27	10 : 27	2 : 23
13 (7) : 22	15 (8) : 22	8 (5) : 20	4 : 20

picture (extract): size

4.2 SPC – short cycles

4.3 SPC – Main Path and CPM path

4.4 Main path and CPM path list of titles

4.5 Cuts, islands, cores

The subgraph $\mathcal{H} = (C, \mathcal{E}|_C)$ induced by the set $C \subseteq \mathcal{V}$ is a *p-core at level* $t \in \mathbb{R}$ iff $\forall v \in C : t \leq p(v, C)$ and C is a maximal such set.

Ordinary *core*: $p(v, C) = deg_H(v)$

ps-core: $p(v, C) = \sum_{u \in C} w(v, u)$, $w(v, u)$ is the weight of link (v, u)

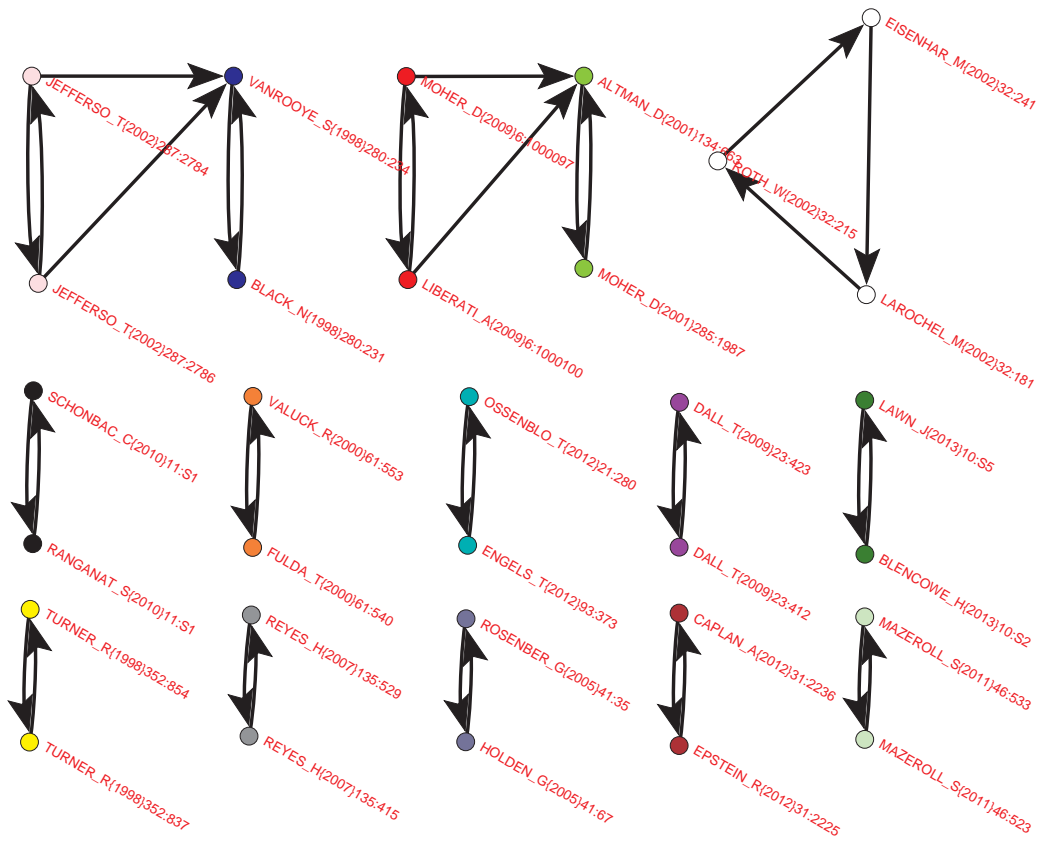


Figure 9: SPC – short cycles.

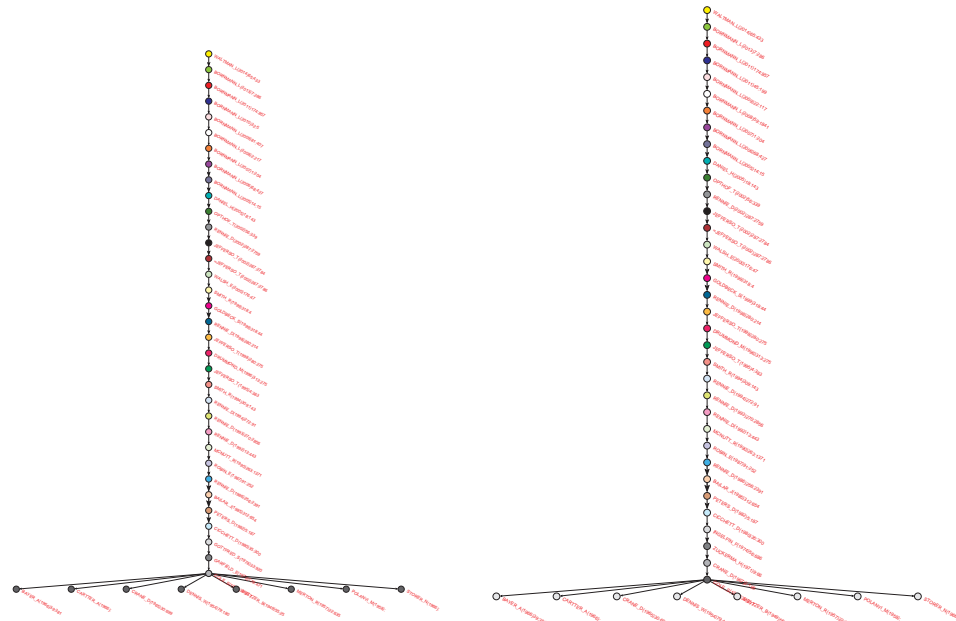


Figure 10: SPC – Main Path and CPM path.

id	label	id	label	id	label	id	label	id	label
000000_000000	Root	000000_000000	Root	000000_000000	Root	000000_000000	Root	000000_000000	Root
000000_000001	Root	000000_000002	Root	000000_000003	Root	000000_000004	Root	000000_000005	Root

Figure 11: Main path and CPM path list of titles.

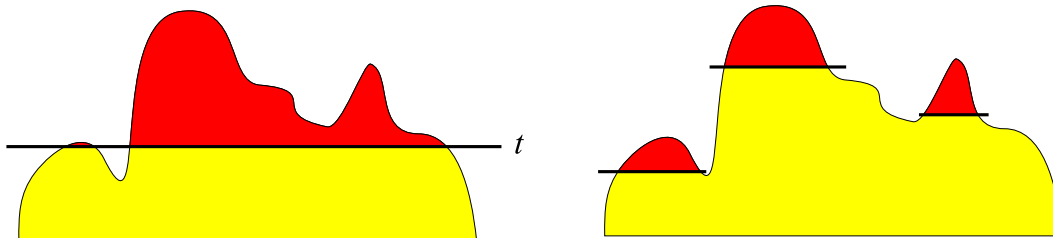


Figure 12: Cuts, islands, cores.

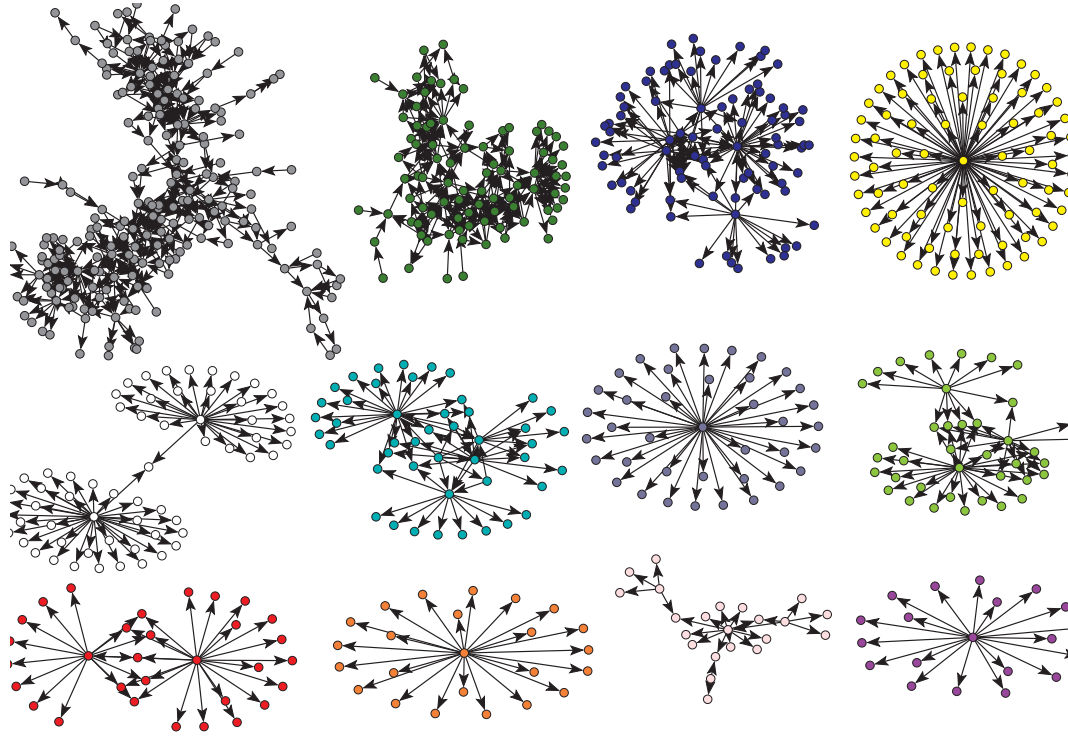


Figure 13: SPC islands [20 200].

4.6 SPC islands [20 200]

4.7 SPC – Island1 [100]/[200]

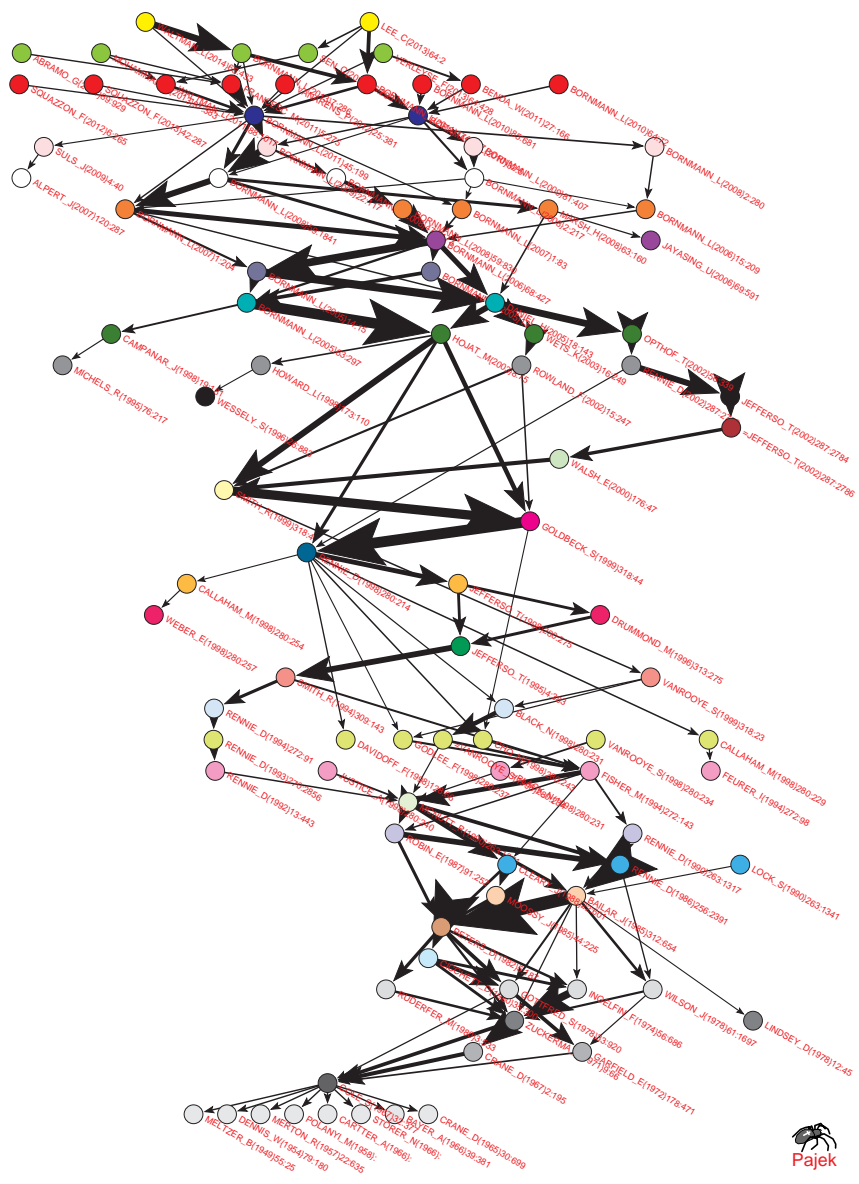


Figure 14: SPC – Island1 [100].

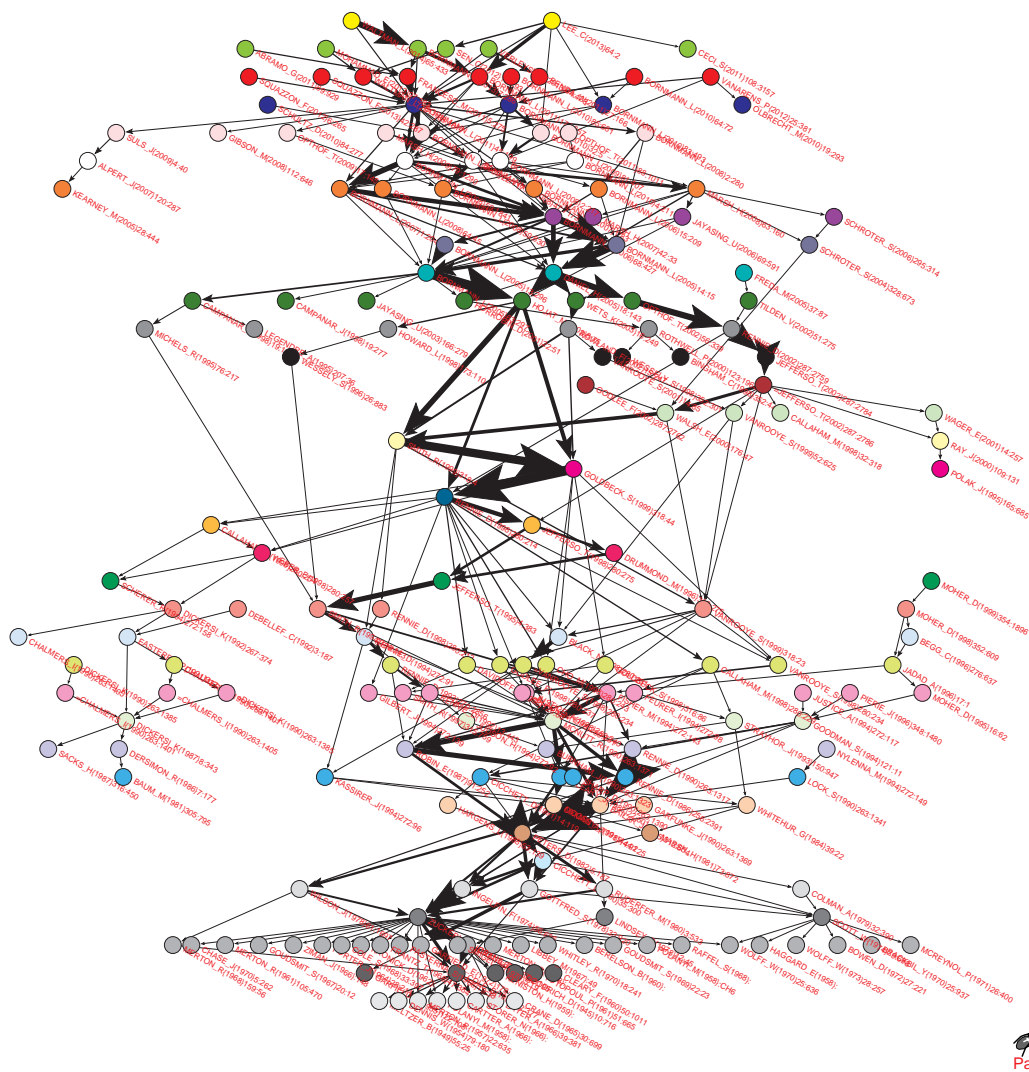


Figure 15: SPC – Island1 [200].

4.8 SPC – island1 / list of titles

name	author	title	journal	year
GOODRICH_D(1945)10:716	NA	NA	NA	1945
MELTZER_B(1949)55:25	NA	NA	NA	1949
DENNIS_W(1964)79:180	NA	NA	NA	1964
GARFIELD_E(1955)122:108	GARFIELD, E	CITATION INDEXES FOR SCIENCE - NEW DIMENSION IN DOCUMENTATION THROUGH ASSOCIATION OF IDEAS	SCIENCE	1955
MERTON_R(1957)22:635	MERTON, R K	PRIORITIES IN SCIENTIFIC DISCOVERY - A CHAPTER IN THE SOCIOLOGY OF SCIENCE	AM SOCIOL REV	1957
POLANYI_M(1958):	NA	NA	NA	1958
HAGGARD_E(1958):	NA	NA	NA	1958
POLANYI_M(1958):CH16	NA	NA	NA	1958
KENSTON_H(1959):	NA	NA	NA	1959
BERELSON_B(1960):	NA	NA	NA	1960
CLEARY_J(1960)50:1011	NA	NA	NA	1960
YOTOPOULU_P(1961)51:665	NA	NA	NA	1961
MERTON_R(1961)105:470	NA	NA	NA	1961
KRONICK_D(1962):	NA	NA	NA	1962
PORTER_J(1964)28:211	NA	NA	NA	1964
CRANE_D(1965)30:699	NA	NA	NA	1965
BAYER_A(1966)39:381	NA	NA	NA	1966
STORER_N(1966):	NA	NA	NA	1966
PASTERNA_S(1966)91:938	NA	NA	NA	1966
CARTER_A(1966):	NA	NA	NA	1966
ZIMAN_J(1966):148	NA	NA	NA	1966
CRANE_D(1967)2:195	CRANE, D	GATEKEEPERS OF SCIENCE - SOME FACTORS AFFECTING SELECTION OF ARTICLES FOR SCIENTIFIC JOURNALS	AM SOCIOL	1967
COLE_S(1967)32:377	COLE, S	SCIENTIFIC OUTPUT AND RECOGNITION - STUDY IN OPERATION OF REWARD SYSTEM IN SCIENCE	AM SOCIOL REV	1967
GOUDSMIT_S(1967)20:12	NA	NA	NA	1967
LIBBEY_M(1967)49	NA	NA	NA	1967
MERTON_R(1968):	NA	NA	NA	1968
MERTON_R(1968)15:956	MERTON, R K	MATTHEW EFFECT IN SCIENCE	SCIENCE	1968
COLE_S(1968)33:397	NA	NA	NA	1968
FRANZ_T(1968)47:384	NA	NA	NA	1968
RAFEL_S(1968):	NA	NA	NA	1968
GOUDSMIT_S(1969)22:23	NA	NA	NA	1969
BRACKBILL_Y(1970)25:397	NA	NA	NA	1970
CHASE_J(1970)5:262	NA	NA	NA	1970
SMIGEL_E(1970)5:19	SMIGEL, E O	FACTORS IN EDITORIAL DECISION	AM SOCIOL	1970
WOLFF_W(1970)25:636	NA	NA	NA	1970
WHITLEY_R(1970)18:241	NA	NA	NA	1970
MCREYNOL_P(1971)12:6400	NA	NA	NA	1971
ZUCKERMAN_H(1971)9:66	ZUCKERMAN, H	PATTERNS OF EVALUATION IN SCIENCE - INSTITUTIONALISATION, STRUCTURE AND FUNCTIONS OF REFEREE SYSTEM	MINERVA	1971
BOVEN_D(1972)22:21	NA	NA	NA	1972
GARFIELD_E(1972)178:471	GARFIELD, E	CITATION ANALYSIS AS A TOOL IN JOURNAL EVALUATION - JOURNALS CAN BE RANKED BY FREQUENCY AND IMPACT OF CITATIONS FOR SCIENCE	SCIENCE	1972
WOLFF_W(1973)28:257	NA	NA	NA	1973
INGELFIM_F(1974)56:686	INGELFIM, F J	PEER REVIEW IN BIOMEDICAL PUBLICATION	AM J MED	1974
SCOTT_W(1974)29:698	SCOTT, W A	INTER-REFEREE AGREEMENT ON SOME CHARACTERISTICS OF MANUSCRIPTS SUBMITTED TO JOURNAL OF PERSONALITY AND SOCIAL PSYCHOL	AM PSYCHOL	1974
GOTTFRED_S(1978)33:920	GOTTFREDSON, S D	EVALUATING PSYCHOLOGICAL RESEARCH REPORTS - DIMENSIONS, RELIABILITY, AND CORRELATES OF QUALITY JUDGMENTS	AM PSYCHOL	1978
WILSON_J(1978)61:697	WILSON, J D	70TH ANNUAL MEETING OF AMERICAN SOCIETY FOR CLINICAL INVESTIGATION, SAN FRANCISCO, CALIFORNIA, 30 APRIL 1978 - PRESIDENT J CUNINVEST	J CLIN INVEST	1978
LINDSEY_D(1978)12:45	LINDSEY, D	OUTLOOK OF JOURNAL EDITORS AND REFEREES ON NORMATIVE CRITERIA OF SCIENTIFIC CRAFTSMANSHIP - VIEWPOINTS FROM PSYCHOL QUAL QUANT	PSYCHOL QUAL QUANT	1978
COLMAN_A(1979)32:390	COLMAN, A M	EDITORIAL ROLE IN AUTHOR - REFEREE DISAGREEMENTS	BRIT PSYCHOL SOC	1979
CICCHETTI_D(1980)35:300	CICCHETTI, D V	RELIABILITY OF REVIEWS FOR THE AMERICAN PSYCHOLOGIST - A BIostatistical ASSESSMENT OF THE DATA	AM PSYCHOL	1980
RUDERFER_M(1980)33:533	RUDERFER, M	THE FALLACY OF PEER-REVIEW - JUDGMENT WITHOUT SCIENCE AND A CASE HISTORY	SPRUELL SCI TECH N	1980
MARSH_H(1981)73:972	MARSH, H W	INTERJUDGMENTAL RELIABILITY OF REVIEWS FOR THE JOURNAL OF EDUCATIONAL PSYCHOLOGY	J EDUC PSYCHOL	1981
BAUM_M(1981)305:795	BAUM, M L	A SURVEY OF CLINICAL TRIALS OF ANTIBIOTIC-PROPHYLAXIS IN COLON SURGERY - EVIDENCE AGAINST FURTHER USE OF NO-TREATMENT CONTROL	NEW ENGL J MED	1981
PETERS_DP(1981)5:187	PETERS, D P	PEER-REVIEW PRACTICES OF PSYCHOLOGICAL JOURNALS - THE FATE OF ACCEPTED, PUBLISHED ARTICLES, SUBMITTED AGAIN	BEHAV BRAIN SCI	1981
WHITEHUR_G(1984)9:22	WHITEHURST, G J	INTERARTER AGREEMENT FOR JOURNAL MANUSCRIPT REVIEWS	AM PSYCHOL	1984
BALAR_IC(1985)31:2654	BALAR, I C	JOURNAL PEER-REVIEW - THE NEED FOR A RESEARCH AGENDA	NEW ENGL J MED	1985
MOOSSY_J(1985)44:225	MOOSSY, J	ANONYMOUS AUTHORS, ANONYMOUS REFEREES - AN EDITORIAL EXPLORATION	J NEUROPATH EXP NEU	1985
DESMONIAN_R(1986)7:177	DESMONIAN, R	METAANALYSIS IN CLINICAL TRIALS	CONTROL CLIN TRIALS	1986
RENNIE_D(1986)256:2391	RENNIE, D	GUARDING THE GUARDIANS - A CONFERENCE ON EDITORIAL PEER-REVIEW	JAMA-J AM MED ASSO	1986
SACKS_H(1987)16:450	SACKS, H S	META-ANALYSES OF RANDOMIZED CONTROLLED TRIALS	NEW ENGL J MED	1987
DICKERSIN_K(1987)13:187	DICKERSIN, K	PUBLICATION BIAS AND CLINICAL TRIALS	CONTROL CLIN TRIALS	1987
ROBIN_E(1987)91:243	ROBIN, E D	PEER-REVIEW IN MEDICAL JOURNALS	QUEST	1987
HARGENS_LL(1988)53:139	HARGENS, LL	SCHOLARLY CONSENSUS AND JOURNAL REJECTION RATES	AM SOCIOL REV	1988
CLEARY_JD(1988)23:601	CLEARY, J D	BLIND VERSUS NONBLIND REVIEW - SURVEY OF SELECTED MEDICAL JOURNALS	DRUG INTEL CLIN PHAR	1988
MCNUTT_RA(1990)263:1371	MCNUTT, R A	THE EFFECTS OF BLINDING ON THE QUALITY OF PEER-REVIEW - A RANDOMIZED TRIAL	JAMA-J AM MED ASSO	1990
DICKERSIN_K(1990)263:1385	DICKERSIN, K	THE EXISTENCE OF PUBLICATION BIAS AND RISK-FACTORS FOR ITS OCCURRENCE	JAMA-J AM MED ASSO	1990
CHALMERS_J(1990)263:1401	CHALMERS, J	A COHORT STUDY OF SUMMARY REPORTS OF CONTROLLED TRIALS	JAMA-J AM MED ASSO	1990
GARFUNKEL_IM(1990)263:1369	GARFUNKEL, I M	PROBLEMS IDENTIFIED BY SECONDARY REVIEW OF ACCEPTED MANUSCRIPTS	JAMA-J AM MED ASSO	1990
RENNIE_D(1990)263:1317	RENNIE, D	EDITORIAL PEER-REVIEW IN BIOMEDICAL PUBLICATION - THE FIRST INTERNATIONAL CONGRESS	JAMA-J AM MED ASSO	1990
CHALMERS_J(1990)263:1405	CHALMERS, J	UNDERREPORTING RESEARCH IS SCIENTIFIC MISCONDUCT	JAMA-J AM MED ASSO	1990
LOCK_S(1990)263:1341	LOCK, S	WHAT DO PEER REVIEWERS DO	JAMA-J AM MED ASSO	1990
SHARP_DW(1990)263:1390	SHARP, D W	WHAT CAN AND SHOULD BE DONE TO REDUCE PUBLICATION BIAS - THE PERSPECTIVE OF AN EDITOR	JAMA-J AM MED ASSO	1990
BURNHAM_JC(1990)263:1323	BURNHAM, J C	THE EVOLUTION OF EDITORIAL PEER-REVIEW	JAMA-J AM MED ASSO	1990
DICKERSIN_K(1990)263:1385	DICKERSIN, K	THE EXISTENCE OF PUBLICATION BIAS AND RISK-FACTORS FOR ITS OCCURRENCE	JAMA-J AM MED ASSO	1990
CHALMERS_J(1990)263:1401	CHALMERS, J	A COHORT STUDY OF SUMMARY REPORTS OF CONTROLLED TRIALS	JAMA-J AM MED ASSO	1990
CHALMERS_J(1990)263:1405	CHALMERS, J	UNDERREPORTING RESEARCH IS SCIENTIFIC MISCONDUCT	JAMA-J AM MED ASSO	1990
OXMAN_A(1991)44:91	OXMAN, A D	AGREEMENT AMONG REVIEWERS OF REVIEW ARTICLES	J CLIN EPIDEMIOL	1991
CICCHETTI_DV(1991)4:119	CICCHETTI, D V	THE RELIABILITY OF PEER-REVIEW FOR MANUSCRIPT AND GRANT SUBMISSIONS - A CROSS-DISCIPLINARY INVESTIGATION	BEHAV BRAIN SCI	1991
EASTERBROOK_PJ(1991)1337:867	EASTERBROOK, P J	PUBLICATION BIAS IN CLINICAL RESEARCH	LANCET	1991
DICKERSIN_K(1992)267:374	DICKERSIN, K	FACTORS INFLUENCING PUBLICATION OF RESEARCH RESULTS - FOLLOW-UP OF APPLICATIONS SUBMITTED TO 2 INSTITUTIONAL REVIEW BOARDS	JAMA-J AM MED ASSO	1992
DEBELLEFULLE_C(1992)33:187	DEBELLEFULLE, C	THE FATE OF ABSTRACTS SUBMITTED TO A CANCER MEETING - FACTORS WHICH INFLUENCE PRESENTATION AND SUBSEQUENT PUBLICATION	ANN ONCOL	1992
RENNIE_D(1992)33:443	RENNIE, D	SUSPENDED JUDGMENT - EDITORIAL PEER-REVIEW - LET US PUT IT ON TRIAL	CONTROL CLIN TRIALS	1992
STRAYHORN_J(1993)150:947	STRAYHORN, J	AN INTERVENTION TO IMPROVE THE RELIABILITY OF MANUSCRIPT REVIEWS FOR THE JOURNAL OF THE AMERICAN ACADEMY OF CHILD & ADOLESCENT PSYCHIATRY	AM J PSYCHIAT	1993
RENNIE_D(1993)70:2856	RENNIE, D	MORE PEERING INTO EDITORIAL PEER-REVIEW	JAMA-J AM MED ASSO	1993
FISHER_M(1994)272:143	FISHER, M	THE EFFECTS OF BLINDING ON ACCEPTANCE OF RESEARCH PAPERS BY PEER-REVIEW	JAMA-J AM MED ASSO	1994
KASSIRER_JP(1994)272:96	KASSIRER, J P	PEER-REVIEW - CRUDE AND UNDERSTUDIED, BUT INDISPENSABLE	JAMA-J AM MED ASSO	1994
SCHERER_RW(1994)272:158	SCHERER, R W	FULL PUBLICATION OF RESULTS INITIALLY PRESENTED IN ABSTRACTS - A METAANALYSIS	JAMA-J AM MED ASSO	1994
GOODMAN_SN(1994)121:111	GOODMAN, S N	MANUSCRIPT QUALITY BEFORE AND AFTER PEER-REVIEW AND EDITING AT ANNALS OF INTERNAL-MEDICINE	ANN INTERN MED	1994
NYLENNA_M(1994)272:149	NYLENNA, M	MULTIPLE BLINDED REVIEWS OF THE 2 MANUSCRIPTS - EFFECTS OF REFEREE CHARACTERISTICS AND PUBLICATION LANGUAGE	JAMA-J AM MED ASSO	1994
RENNIE_D(1994)72:91	RENNIE, D	THE 2ND INTERNATIONAL CONGRESS ON PEER-REVIEW IN BIOMEDICAL PUBLICATION	JAMA-J AM MED ASSO	1994
FEURER_ID(1994)272:98	FEURER, I D	EVALUATING PEER REVIEWS - PILOT TESTING OF A GRADING INSTRUMENT	JAMA-J AM MED ASSO	1994
JUSTICE_AC(1994)272:117	JUSTICE, A C	DO READERS AND PEER REVIEWERS AGREE ON MANUSCRIPT QUALITY	JAMA-J AM MED ASSO	1994
SMITH_R(1994)209:149	SMITH, R	PROMOTING RESEARCH INTO PEER-REVIEW	BRIT MED J	1994
JUDSON_H(1994)272:92	JUDSON, H F	STRUCTURAL TRANSFORMATIONS OF THE SCIENCES AND THE FUTURE OF PEER-REVIEW	JAMA-J AM MED ASSO	1994
GILBERT_JR(1994)272:139	GILBERT, JR	IS THERE GENDER BIAS IN JAMA'S PEER-REVIEW PROCESS	JAMA-J AM MED ASSO	1994
MOHER_D(1995)16:62	MOHER, D	ASSESSING THE QUALITY OF RANDOMIZED CONTROLLED TRIALS - AN ANNOTATED-BIBLIOGRAPHY OF SCALES AND CHECKLISTS	CONTROL CLIN TRIALS	1995
JEFFERSON_T(1995)14:383	JEFFERSON, T	ARE GUIDELINES FOR PEER-REVIEWING ECONOMIC EVALUATIONS NECESSARY - A SURVEY OF CURRENT EDITORIAL PRACTICE	HEALTH ECON	1995
LEGENDRE_A(1995)207:36	LEGENDRE, A M	PEER-REVIEW OF MANUSCRIPTS FOR BIOMEDICAL JOURNALS	J AM VET MED ASSOC	1995
MICHELS_R(1995)76:217	MICHELS, R	PEER-REVIEW	INT J PSYCHOSOM	1995
POLAK_JF(1995)165:685	POLAK, J F	THE ROLE OF THE MANUSCRIPT REVIEWER IN THE PEER-REVIEW PROCESS	AM J ROENTGENOL	1995
JADAD_A(1996)7:1	Jadad, A R	Assessing the quality of reports of randomized clinical trials: is blinding necessary?	CONTROL CLIN TRIALS	1996
DRUMMOND_M(1996)313:275	Drummond, M F	Guidelines for authors and peer reviewers of economic submissions to the BMJ	BRIT MED J	1996
BESE_C(1996)76:627	Bese, C	Improving the quality of reporting of randomized controlled trials - The CONSORT statement	JAMA-J AM MED ASSO	1996
PERIE_J(1996)348:1480	Perie, J P E N	Readers' evaluation of effect of peer review and editing on quality of articles in the Nederlands Tijdschrift voor Geneeskunde	LANCET	1996
WESSLEY_S(1996)266:883	Wessley, S	What do we know about peer review?	PSYCHOL MED	1996
SMITH_R(1997)315:759	Smith, R	Peer review: Reform or revolution?	BRIT MED J	1997

CALLAHAM_M(1998)280:254 Callahan, ML Positive-outcome bias and other limitations in the outcome of research abstracts submitted to a scientific meeting JAMA-J AM MED ASSO 1998

WEBER_E(1998)280:257 Weber, EJ Unpublished research from a medical specialty meeting - Why investigators fail to publish JAMA-J AM MED ASSO 1998

GODLEE_F(1998)280:237 Godlee, F Effect on the quality of peer review of blinding reviewers and asking them to sign their reports - A randomized controlled trial JAMA-J AM MED ASSO 1998

BLACK_N(1998)280:231 Black, N What makes a good reviewer and a good review for a general medical journal? JAMA-J AM MED ASSO 1998

JUSTICE_A(1998)280:240 Justice, AC Does making author identity improve peer review quality? - A randomized controlled trial JAMA-J AM MED ASSO 1998

VAN ROOYEN_S(1998)280:234 van Rooyen, S Effect of blinding and unmasking on the quality of peer review - A randomized trial JAMA-J AM MED ASSO 1998

CAMPANARIO_J(1998)19:181 Campanario, JM Peer review for journals as it stands today - Part 1 SC COMMUN 1998

MOHER_D(1998)352:609 Moher, D Does quality of reports of randomised trials affect estimates of intervention efficacy reported in meta-analyses? LAMCET 1998

BINGHAM_CM(1998)352:441 Bingham, CM The Medical Journal of Australia Internet peer-review study LAMCET 1998

CALLAHAM_ML(1998)32:18 Callahan, ML Effect of attendance at a training session on peer reviewer quality and performance ANN EMERG MED 1998

JEFFERSON_T(1998)280:275 Jefferson, T Evaluating the BMJ guidelines for economic submissions - Prospective audit of economic submissions to BMJ and The Lancet JAMA-J AM MED ASSO 1998

RENNIE_D(1998)280:213 Rennie, D Congress on Biomedical Peer Review - History, ethics, and plans for the future JAMA-J AM MED ASSO 1998

WESSLEY_S(1998)352:301 Wessley, S Peer review of grant applications: What do we know? LAMCET 1998

CAMPANARIO_J(1998)19:277 Campanario, JM Peer review for journals as it stands today - Part 2 SC COMMUN 1998

CALLAHAM_ML(1998)280:229 Callahan, ML Reliability of editors' subjective quality ratings of peer reviews of manuscripts JAMA-J AM MED ASSO 1998

CHO_MK(1998)280:243 Cho, MK Masking author identity in peer review - What factors influence masking success? JAMA-J AM MED ASSO 1998

HOWARD_L(1998)173:110 Howard, L Peer review and editorial decision-making BRIT J PSYCHIAT 1998

RENNIE_D(1998)280:214 Rennie, D Peer review in Prague JAMA-J AM MED ASSO 1998

GOLDBECK_WOOD_S(1998)316:86 Goldbeck-Wood, S What makes a good reviewer of manuscripts? The BMJ invites you to join its peer review process BRIT MED J 1998

DAVIDOFF_F(1998)128:66 Davidoff, F Masking, blinding, and peer review: The blind leading the blinded ANNI INTERN MED 1998

BLACK_N(1998)280:231 Black, N What makes a good reviewer and a good review for a general medical journal? JAMA-J AM MED ASSO 1998

VAN ROOYEN_S(1998)280:234 van Rooyen, S Effect of blinding and unmasking on the quality of peer review - A randomized trial JAMA-J AM MED ASSO 1998

MOHER_D(1998)352:609 Moher, D Improving the quality of reports of meta-analyses of randomised controlled trials: the QUOROM statement LAMCET 1999

VAN ROOYEN_S(1998)352:609 van Rooyen, S Effect of peer review on peer review recommendations: a randomized trial BRIT MED J 1999

VAN ROOYEN_S(1998)352:625 van Rooyen, S Development of the Review Quality Instrument (RQI) for assessing peer reviews of manuscripts J CLIN EPIDEMIOL 1999

SMITH_R(1999)318:4 Smith, R Opening up BMJ peer review - A beginning that should lead to complete transparency BRIT MED J 1999

GOLDBECK_WOOD_S(1999)318:44 Goldbeck-Wood, S Evidence on peer review - scientific quality control or smokescreen? BRIT MED J 1999

WALSH_E(2000)176:47 Walsh, E Open peer review: a randomised controlled trial BRIT J PSYCHIAT 2000

ROTHWELL_P(2000)123:1964 Rothwell, PM Reproducibility of peer review in clinical neuroscience - Is agreement between reviewers any greater than would be expected by chance alone? BRAIN 2000

RAY_J(2000)109:131 Ray, J The fate of manuscripts rejected by a general medical journal AM J MED 2000

WAGER_E(2001)14:257 Wager, E Shortcomings of peer review in biomedical journals LEARN PUBL 2001

HORROBIN_D(2001)22:51 Horrobin, DF Something rotten at the core of science? TRENDS PHARMACOL 2001

VAN ROOYEN_S(2001)14:85 van Rooyen, S The evaluation of peer-review quality LEARN PUBL 2001

JEFFERSON_T(2001)287:284 Jefferson, T Effects of editorial peer review - A systematic review LEARN PUBL 2001

GODLEE_F(2001)287:762 Godlee, F Making reviewers visible - Openness, accountability, and credit JAMA-J AM MED ASSO 2002

RENNIE_D(2001)287:759 Rennie, D Fourth International Congress on Peer Review in Biomedical Publication JAMA-J AM MED ASSO 2002

ROWLAND_F(2001)15:247 Rowland, F The peer-review process LEARN PUBL 2002

OPHOFF_T(2001)56:339 Ophoff, T The significance of the peer review process against the background of bias: priority ratings of reviewers and editors and the prediction of CARDIOVASC RES 2002

TILDEN_V(2002)51:275 Tilden, V Peer review: Evidence-based or sacred cow? NURS RES 2002

JEFFERSON_T(2002)287:286 Jefferson, T Measuring the quality of editorial peer review JAMA-J AM MED ASSO 2002

JAYASINGH_UW(2003)166:279 Hojat, M A multilevel cross-classified modeling approach to peer review of grant proposals: the effects of assessor and researcher attributes on assessment J ROY STAT SOC A STA 2003

HOJAT_M(2003)18:75 Hojat, M Impartial judgment by the "gatekeepers" of science: Fairness and accountability in the peer review process ADV HEALTH SCI EDUC 2003

WEBS_K(2003)16:249 Webs, K Post-publication filtering and evaluation: Faculty of 1000 LEARN PUBL 2003

SCHROTER_S(2004)328:673 Schroter, S Effects of training on quality of peer review: randomised controlled trial BRIT MED J 2004

BORNMANN_L(2005)13:293 Bornmann, L Selection of research fellowships by committee: peer review, recommendations, and predictive validity of Board of Trustees' decisions SCIENTOMETRICS 2005

BORNMANN_L(2005)13:296 Bornmann, L Criteria used by a peer review committee for selection of research fellows - A Boolean probit analysis INT J SELECT ASSESS 2005

BORNMANN_L(2005)14:15 Bornmann, L Committee peer review at an international research foundation: predictive validity and fairness of selection decisions on post-graduate fellow REVALUAT 2005

DANIEL_H(2005)18:143 Daniel, HD Publications as a measure of scientific advancement and of scientists' productivity LEARN PUBL 2005

FREDA_MC(2005)3:787 Freda, MC An international survey of nurse editors' roles and practices J NURS SCHOLARSHIP 2005

KEARNEY_M(2005)28:444 Kearney, MH Nurse editors' views on the peer review process RES NURS HEALTH 2005

BORNMANN_L(2006)68:427 Bornmann, L Selecting scientific excellence through committee peer review - A citation analysis of publications previously published to approval or rejection SCIENTOMETRICS 2006

JAYASINGH_UW(2006)69:591 Jayasinghe, UW A new reader trial approach to peer review in funding research grants: An Australian experiment SCIENTOMETRICS 2006

SCHROTER_S(2006)295:314 Schroter, S Differences in review quality and recommendations for publication on peer reviews suggested by authors or by editors JAMA-J AM MED ASSO 2006

BORNMANN_L(2006)13:209 Bornmann, L Potential sources of bias in research fellowship assessments: effects of university prestige and field of study REVALUAT 2006

BORNMANN_L(2007)1:204 Bornmann, L Convergent validation of peer review decisions using the h index - Extent of and reasons for type I and type II errors J INFORMETR 2007

BORNMANN_L(2007)1:83 Bornmann, L Gatekeepers of science - Effects of external reviewers' attributes on the assessments of fellowship applications J INFORMETR 2007

MARSH_HW(2007)42:33 Marsh, HW Peer review process: Assessments by applicants to nominated referees are biased, inflated, unreliable and in valid AUST PSYCHOL 2007

ALPERT_J(2007)110:287 Alpert, JS Peer review: The best of the bleached? AM J MED 2007

MARSH_HW(2008)68:160 Marsh, HW Improving the peer-review process for grant applications - Reliability, validity, bias, and generalizability AM PSYCHOL 2008

BORNMANN_L(2008)47:7173 Bornmann, L The effectiveness of the peer review process: Inter-referee agreement and predictive validity of manuscript refereeing at Angewandte Chemie International Edition ANGEW CHEM INT ED 2008

BORNMANN_L(2008)2:280 Bornmann, L How to detect indications of potential sources of bias in peer review: A generalized latent variable modeling approach exemplified by Angewandte Chemie International Edition J INFORMETR 2008

BORNMANN_L(2008)59:1841 Bornmann, L Selecting manuscripts for a high-impact journal through peer review: A citation analysis of communications that were accepted by Angewandte Chemie International Edition J AM SOC INF SCI TEC 2008

GIBSON_M(2008)112:646 Gibson, M Author perception of peer review OBSTET GYNECOL 2008

BORNMANN_L(2008)59:830 Bornmann, L Are there better indices for evaluation purposes than the h index? A comparison of nine different variants of the h index using data from biology J AM SOC INF SCI TEC 2008

BORNMANN_L(2008)64:46 Bornmann, L What do citation counts measure? A review of studies on citing behavior J DOC 2008

BORNMANN_L(2008)2:217 Bornmann, L Latent Markov modeling applied to grant peer review J INFORMETR 2008

MARSH_HW(2009)79:1290 Marsh, HW Gender Effects in the Peer Reviews of Grant Proposals: A Comprehensive Meta-Analysis Comparing Traditional and Multilevel Approaches REV EDUC RES 2009

BORNMANN_L(2009)22:117 Bornmann, L The lack of the referee draw: the effect of exchanging reviews LEARN PUBL 2009

OPHOFF_T(2009)1:745 Ophoff, T The Hirsch-index: a simple, new tool for the assessment of scientific output of individual scientists: The case of Dutch professors in clinical medicine J INTERNET MED 2009

SULS_J(2009)4:40 Suls, J The Air We Breathe: A Critical Look at Practices and Alternatives in the Peer-Review Process PERSPECT PSYCHOL SC 2009

BORNMANN_L(2009)81:407 Bornmann, L The influence of the applicants' gender on the modeling of a peer review process by using latent Markov models SCIENTOMETRICS 2009

BORNMANN_L(2010)4:211 Bornmann, L A meta-evaluation of scientific research proposals: Different ways of comparing rejected to awarded applications J INFORMETR 2010

BORNMANN_L(2010)3:25 Bornmann, L The manuscript reviewing process: Empirical research on review requests, review sequences, and decision rules in peer review LIBR INFORM SCI RES 2010

BORNMANN_L(2010)88:463 Bornmann, L A content analysis of referees' comments: how do comments on manuscripts rejected by a high-impact journal and later published in other journals differ? SCIENTOMETRICS 2010

SCHULTZ_DM(2010)9:42:77 Schultz, DM Are three heads better than two? How the number of reviewers and editor behavior affect the rejection rate SCIENTOMETRICS 2010

BORNMANN_L(2010)95:561 Bornmann, L The validity of staff editors' initial evaluations of manuscripts: a case study of Angewandte Chemie International Edition SCIENTOMETRICS 2010

OLBRECHT_M(2010)19:293 Olbrecht, M Panel peer review of grant applications: what do we know from research in social psychology on judgment and decision-making in groups? REVALUAT 2010

BORNMANN_L(2010)64:72 Bornmann, L How Long is the Peer Review Process for Journal Manuscripts? A Case Study on Angewandte Chemie International Edition CHMIA 2010

CEC_S(2011)108:3157 Cec, SJ Understanding current causes of women's underrepresentation in science PNATL ACAD SCI USA 2011

BORNMANN_L(2011)45:199 Bornmann, L Scientific Peer Review ANNU REV INFORM SCI 2011

BORNMANN_L(2011)174:857 Bornmann, L A multilevel modeling approach to investigating the predictive validity of editorial decisions: do the editors of a high profile journal select the first Italian research assessment exercise: A bibliometric perspective J R STAT SOC A STAT 2011

FRANCESCHI_ET_M(2011)5:275 Franceschi, M The predictive validity of peer review: A selective review of the judgmental forecasting qualities of peers, and implications for innovation in research J FORECASTING 2011

BENDA_W(2011)27:166 Benda, WG The comment to the paper by Waltman et al., Scientometrics, 87, 467-481, 2011 INT J FORECASTING 2011

OPHOFF_T(2011)88:1011 Ophoff, T National research assessment exercises: a comparison of peer review and bibliometrics rankings SCIENTOMETRICS 2011

ABRAMO_G(2011)89:229 Abramo, G On the correlation between bibliometric indicators and peer review: reply to Ophoff and Leydesdorff SCIENTOMETRICS 2011

WALTMAN_L(2011)89:1017 Waltman, L Rebound Peer Review: A Viable Recourse for Aggrieved Authors? INT J FORECASTING 2012

SEN_C(2012)6:293 Sen, CK Saint Matthew strikes again: An agent-based model of peer review and the scientific community structure ANTIWIDREDOX SIGN 2012

SQUAZZON_F(2012)6:265 Squazzon, F The Selection of Scientific Talent in the Allocation of Research Grants J INFORMETR 2012

VAN ARENSBERG_P(2012)25:381 van Arensberg, P Bias in peer review HIGH EDUC POLICY 2012

LEE_C(2013)64:2 Lee, CJ The validation of (advanced) bibliometric indicators through peer assessments: A comparative study using data from inCites and F1000 J AM SOC INF SCI TEC 2013

BORNMANN_L(2013)72:86 Bornmann, L Does incentive provision increase the quality of peer review? An experimental study J INFORMETR 2013

SQUAZZON_F(2013)42:287 Squazzon, F Assessing non-standard article impact using F1000 labels RES POLICY 2013

MOHAMMAD_E(2013)197:383 Mohammadi, E A label for peer-reviewed books SCIENTOMETRICS 2013

VERLEYSE_FT(2013)64:428 Verleyse, FT A label for peer-reviewed books J AM SOC INF SCI TEC 2013

WALTMAN_L(2014)65:483 Waltman, L F1000 Recommendations as a Potential New Data Source for Research Evaluation: A Comparison With Citations J ASSOC INF SCI TECH 2014

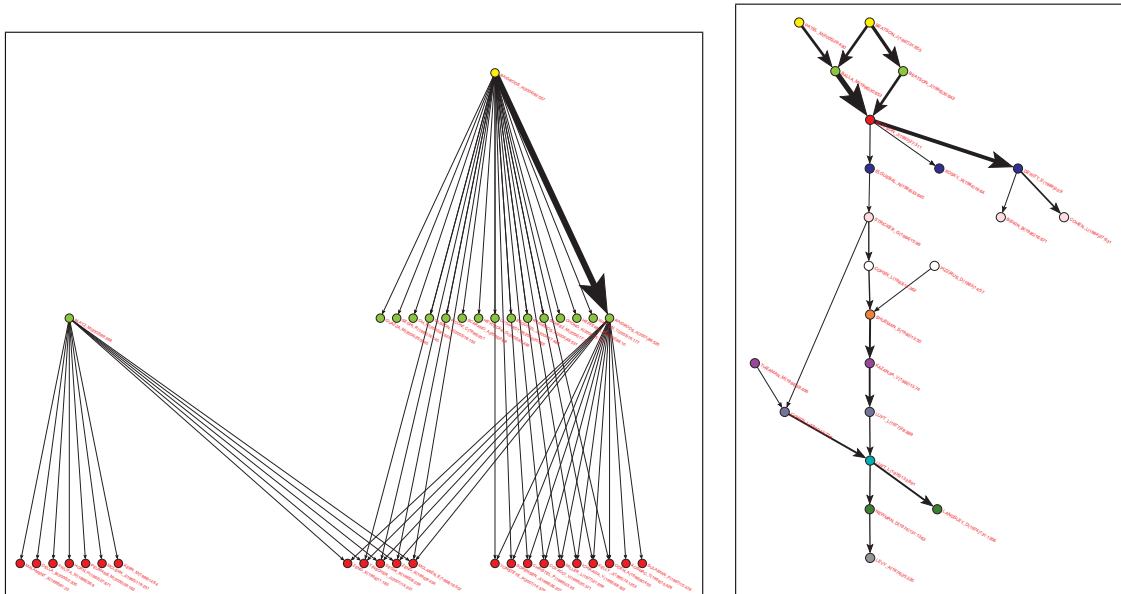


Figure 16: SPC – Island5 (10^7) and Island8 (10^6).

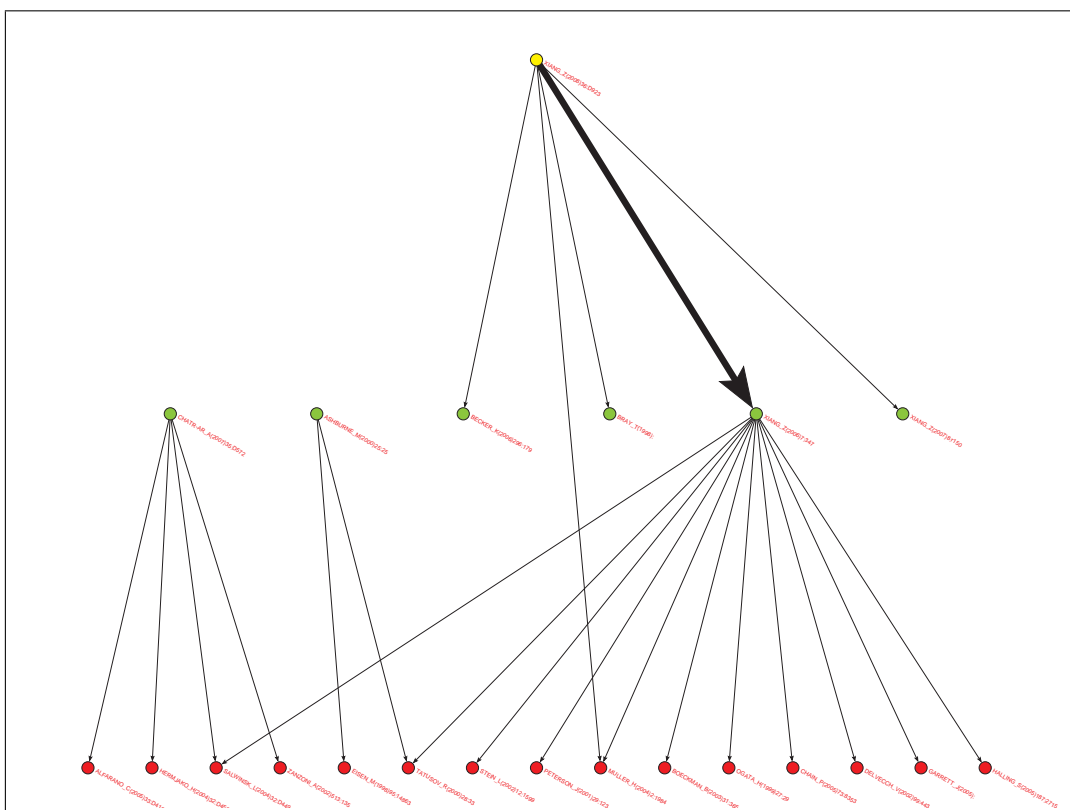


Figure 17: SPC – Island6 (10^7) .

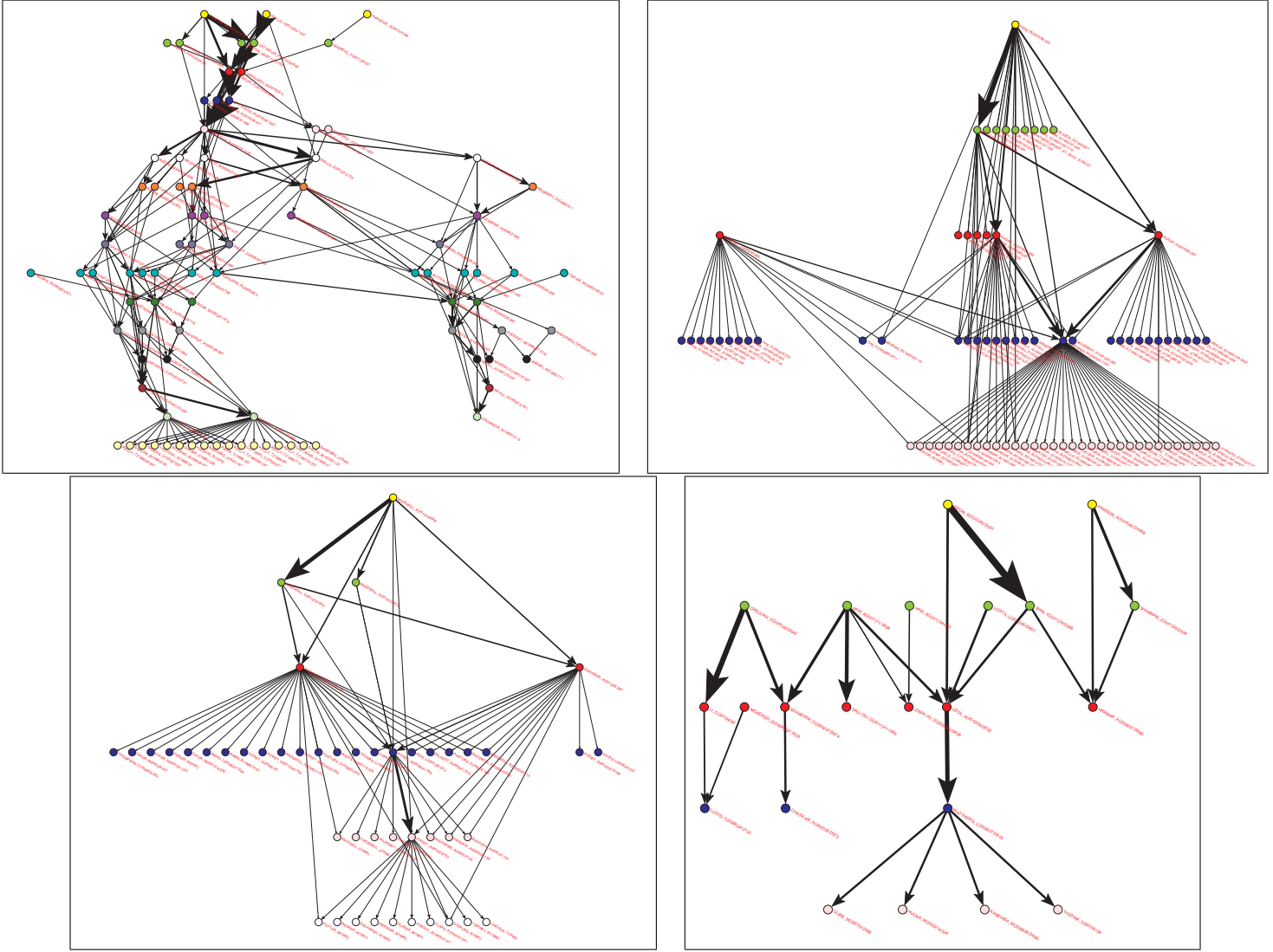


Figure 18: SPC – Island2 (10^8), Island3 (10^7), Island4 (10^7) and Island7 (10^8) .

4.9 SPC – Island5 (10^7) and Island8 (10^6)

4.10 SPC – Island6 (10^7)

4.11 SPC – Island2 (10^8), Island3 (10^7), Island4 (10^7) and Island7 (10^8)

5 Collaboration

5.1 Derived networks

$$Co = WA^T * WA$$

$$N =$$

$$Cn = N^T * N$$

$$Aci = WA^T * Cite * WA$$

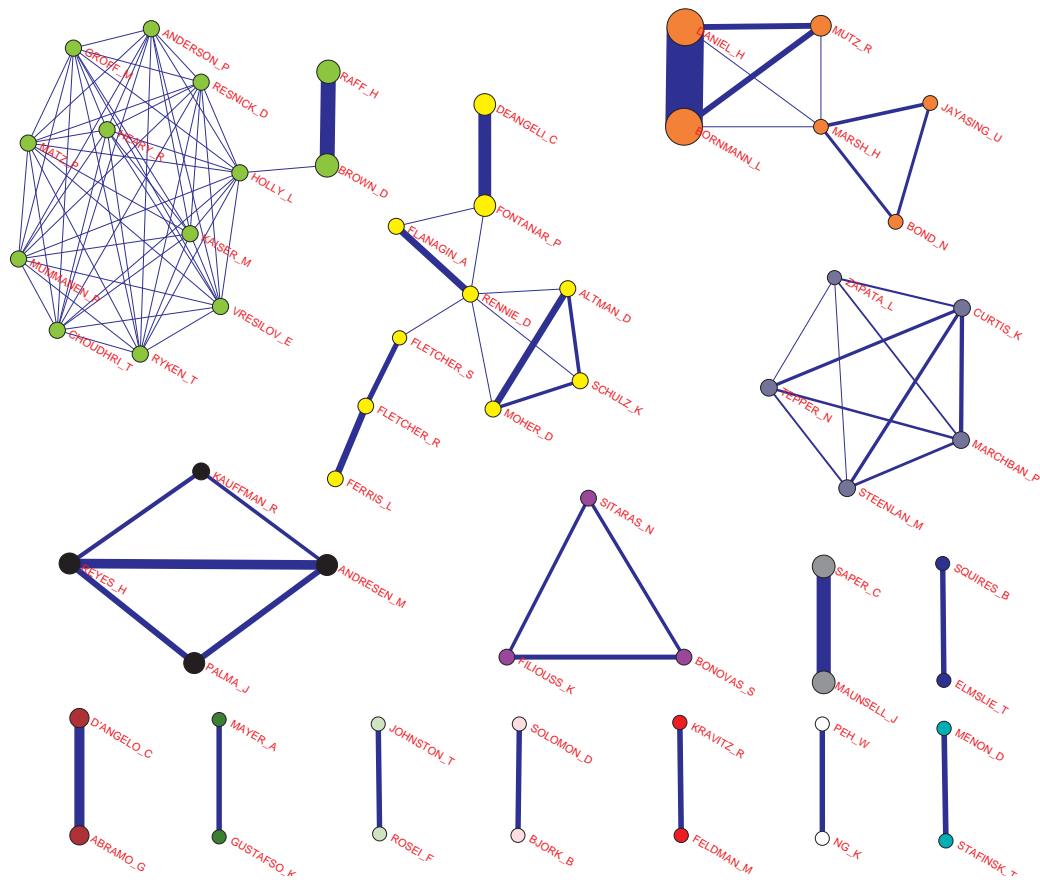


Figure 19: Normalized collaboration / p_S -core at level 1.

5.2 Normalized collaboration / p_S -core at level 1

5.3 Author citation / Islands [20,50]

6 To do

6.1 Still to do

- Aci cut
- AK
- AJ
- KK
- JK
- JaJ
- temporal
- SPC node islands

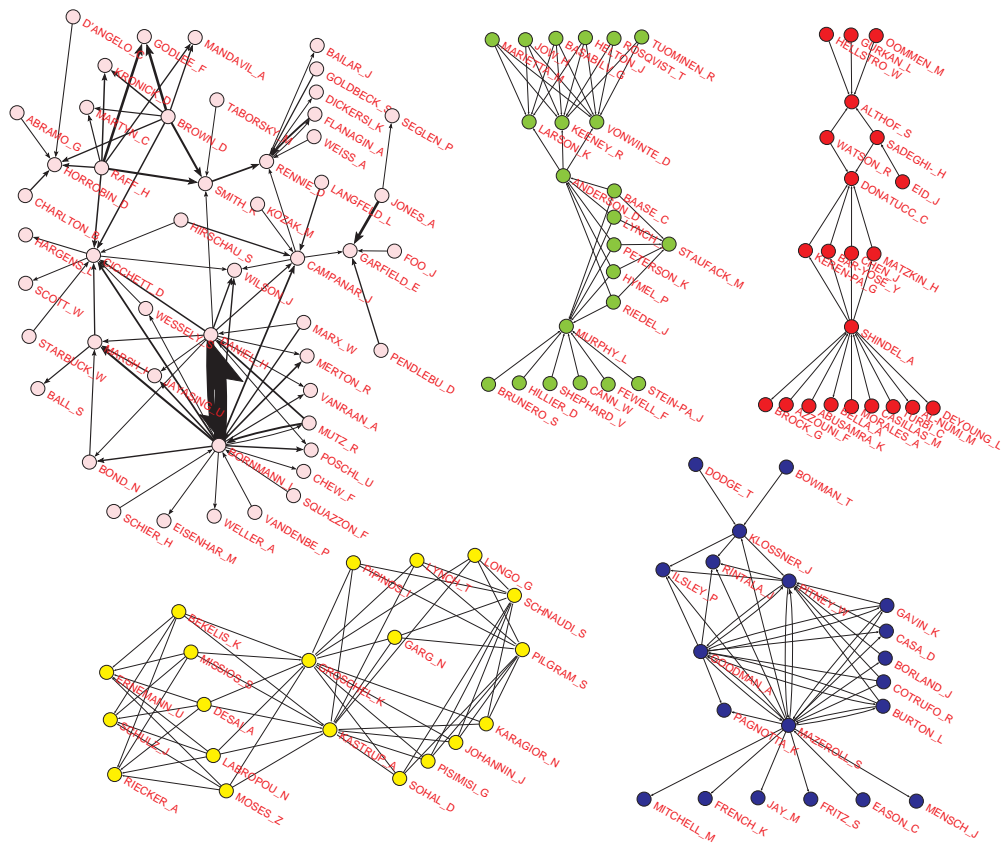


Figure 20: Author citation / Islands [20,50].

6.2 Opombe

- Morda bi veljalo poskusiti dodati članke z $indeg \geq 15$ in primerjati rezultate – stabilnost, smiselnost dodajanja, ...
20/163, 19/180, 18/208, 17/261, 16/310, 15/371, 14/454, 13/541, 12/648, 11/796, 10/1009, 9/1257
- Odstraniti imena del [ANONYMO (2011) :, ..., WORLD_H (2009) :, ..., U_S (2011) :, ..., WHO (2008) :, ..., pred analizami.
- Objava v: Journal of Informetrics, Scientometrics, JAMA

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7 References

References

- [1] Vladimir Batagelj: WoS2Pajek
- [2] Vladimir Batagelj, Patrick Doreian, Anuška Ferligoj and Nataša Kejžar: Understanding Large Temporal Networks and Spatial Networks: Exploration, Pattern Searching, Visualization and Network Evolution. Wiley Series in Computational and Quantitative Social Science. Wiley, October 2014.
- [3] Wouter De Nooy, Andrej Mrvar, Vladimir Batagelj: Exploratory Social Network Analysis with Pajek; Revised and Expanded Second Edition. Structural Analysis in the Social Sciences, Cambridge University Press, September 2011.
- [4] Wikipedia: Peer review