Communities ID Cards

This document gather the "ID Cards" of the CC communities found within your database.
The CC network was built by keeping a link between articles sharing at least 5 references. The communities characterized here correspond to the ones found in the level 1 (in the sense of the Louvain algo) which gathers more than 0 articles.
These ID cards displays the most frequent keywords, subject categories, journals of publication, institution, countries, authors, references and reference journals of the articles of each community. The significance of an item $\sigma = \sqrt{N}(f-p)/\sqrt{p(1-p)}$ [where N is the number of articles within the community and f and p are the proportion of articles respectively within the community and within the database displaying that item] is also given (for example $\sigma > 5$ is really highly significant). The tf-idf value which can be calculated by $tf - idf = f * log(1/p)$ is also given.

Table 1: The community 1 - "QUALITY MANAGEMENT" contains $N = 17$ articles. Its average internal link weight is $< \omega_{in} > \simeq 1/8$

Keyword	sigma	pagerank
QUALITY MANAGEMENT	5.28	0.06
EMPIRICAL RESEARCH	3.97	0.04
QUALITY	2.36	0.02
PERFORMANCE	1.21	0.02
SUPPLY CHAIN MANAGEMENT	0.66	0.01
TOTAL QUALITY MANAGEMENT	0.76	0.01
TQM	2.83	0.01
CONTINGENCY THEORY	-0.74	0.01
OPERATIONS STRATEGY	0.70	0.01
SIX SIGMA	-1.76	0.01
INTERDISCIPLINARY	2.15	0.01
EMPIRICAL RESEARCH METHODS	0.02	0.01
MANUFACTURING STRATEGY	0.19	0.01
STRUCTURAL EQUATION MODELING	0.16	0.01
ORGANIZATIONAL PERFORMANCE	1.04	0.01
ISO 9000	1.77	0.01
CONTINGENCY RESEARCH	0.47	0.01
TECHNOLOGY MANAGEMENT	1.56	0.01
SERVICE OPERATIONS	-0.20	0.01
LEAN PRODUCTION	-2.30	0.01

Subject	f(%)	σ
Operations Research & Management Science	100.00	0.00
Management	82.09	6.60
Engineering, Manufacturing	17.91	-6.60

Journal	f(%)	σ
J OPER MANAG	80.44	11.60
PROD OPER MANAG	17.91	-5.98
M&SOM-MANUF SERV OP	1.65	-7.92

Institution	f(%)	σ
DEPT MANAGEMENT	8.26	36.90
UNIV MINNESOTA	6.06	36.98
CARLSON SCH MANAGEMENT	4.68	36.39
COLL BUSINESS ADM	3.86	23.17
ARIZONA STATE UNIV	2.75	19.97
DEPT SUPPLY CHAIN MANAGEMENT	2.48	20.15
MICHIGAN STATE UNIV	2.48	13.94
OHIO STATE UNIV	2.48	19.25
FISHER COLL BUSINESS	2.20	18.08
COLL BUSINESS	2.20	11.36
OPERAT & MANAGEMENT SCI DEPT	2.20	26.18
LONDON BUSINESS SCH	1.93	22.87
WP CAREY SCH BUSINESS	1.93	16.82
DEPT MKT & SUPPLY CHAIN MANAGEMENT	1.65	13.29
RENSSELAER POLYTECH INST	1.65	21.81
HONG KONG POLYTECH UNIV	1.65	17.52
SCH MANAGEMENT	1.65	7.67
SCH BUSINESS	1.65	8.86
GEORGIA INST TECHNOL	1.38	9.20
UNIV NOTRE DAME	1.38	14.54

Country	f(%)	σ
Usa	30.85	45.16
Canada	3.03	13.94
England	3.03	19.71
Peoples r china	3.03	15.22
Spain	1.65	15.58
Portugal	1.38	23.16
Australia	0.83	10.39
South korea	0.83	9.62
Italy	0.55	8.37
Singapore	0.55	4.50

Author	f(%)	σ
Schroeder RG	13.77	16.78
Linderman K	7.44	11.45
Yeung ACL	6.06	13.57
Sousa R	5.51	17.53
Zhang DL	4.41	17.26
Voss CA	4.13	13.62
Nair A	3.86	7.55
Hartley JL	3.58	10.17
Cheng TCE	3.58	6.60
Lai KH	3.31	9.31

Reference	f(%)	σ
Flynn B B, 1994, Journal of Operations Management (11), 0	63.64	412.71
Powell TC, 1995, STRATEGIC MANAGE J (16), 15	56.47	391.89
Dow D, 1999, PROD OPER MANAG (8), 1	47.38	402.47
Samson D, 1999, J OPER MANAG (17), 393	46.56	391.43
Flynn BB, 1995, DECISION SCI (26), 659	46.28	360.18
Ahire SL, 1996, DECISION SCI (27), 23	39.94	304.35
Saraph JV, 1989, DECISION SCI (20), 810	35.54	314.70
Choi TY, 1998, J OPER MANAG (17), 59	33.88	340.44
Hendricks KB, 1997, MANAGE SCI (43), 1258	33.61	338.43
Kaynak H, 2003, J OPER MANAG (21), 405	31.96	314.72
Dean JW, 1994, ACAD MANAGE REV (19), 392	30.58	295.82
Benson PG, 1991, MANAGE SCI (37), 1107	29.48	342.72
Anderson JC, 1995, DECISION SCI (26), 637	28.93	301.21
Anderson JC, 1994, ACAD MANAGE REV (19), 472	28.37	256.80
Hackman JR, 1995, ADMIN SCI QUART (40), 309	27.00	252.44
Sitkin SB, 1994, ACAD MANAGE REV (19), 537	26.72	264.20
Hendricks KB, 2001, J OPER MANAG (19), 269	26.17	319.64
Sousa R, 2002, J OPER MANAG (20), 91	25.90	345.70
Sousa R, 2001, PROD OPER MANAG (10), 383	25.07	281.58
Ahire SL, 2000, J OPER MANAG (18), 549	23.69	291.61
Black SA, 1996, DECISION SCI (27), 1	22.87	269.85
Deming WE, 1986, OUT CRISIS (0), 0	22.59	197.84
Easton GS, 1998, J BUS (71), 253	21.21	263.40
Douglas TJ, 2001, ACAD MANAGE J (44), 158	21.21	275.54
Das A, 2000, DECISION SCI (31), 649	20.39	249.14

RefJournal	f(%)	σ
J OPER MANAG	36.36	75.63
MANAGE SCI	31.68	47.20
DECISION SCI	30.30	71.90
ACAD MANAGE REV	29.20	72.74
Journal of Operations Management	27.00	84.45
STRATEGIC MANAGE J	25.90	65.45
J OPERATIONS MANAGEM	25.62	69.26
HARVARD BUS REV	25.34	54.24
ACAD MANAGE J	25.07	66.22
PROD OPER MANAG	23.14	44.25

Table 2: The community 0 - "EMPIRICAL RESEARCH" contains $N = 15$ articles. Its average internal link weight is $< \omega_{in} > \simeq 1/16$

Keyword	sigma	pagerank
EMPIRICAL RESEARCH	-2.75	0.02
SUPPLY CHAIN MANAGEMENT	0.41	0.02
CONTINGENCY THEORY	0.78	0.01
LEAN PRODUCTION	4.24	0.01
EMPIRICAL RESEARCH METHODS	0.52	0.01
MANUFACTURING STRATEGY	0.90	0.01
QUALITY MANAGEMENT	-6.79	0.01
STRUCTURAL EQUATION MODELING	-0.04	0.01
PERFORMANCE	-0.95	0.01
BEST PRACTICE	1.60	0.01
INVENTORY	3.03	0.01
MANUFACTURING	1.20	0.01
SUPPLY MANAGEMENT	2.81	0.01
OPERATIONS STRATEGY	-0.04	0.01
MANUFACTURING PERFORMANCE	0.70	0.01
SURVEY RESEARCH	0.48	0.01
JUST-IN-TIME	1.71	0.01
PROCESS IMPROVEMENT	0.90	0.01
TOTAL QUALITY MANAGEMENT	-2.11	0.01
QUALITY	-2.81	0.01

Subject	f(%)	σ
Operations Research & Management Science	100.00	0.00
Management	89.82	7.65
Engineering, Manufacturing	10.18	-7.66

Journal	f(%)	σ
J OPER MANAG	86.73	11.04
PROD OPER MANAG	10.18	-7.20
M&SOM-MANUF SERV OP	3.10	-5.67

Institution	f(%)	σ
DEPT MANAGEMENT	8.41	29.63
COLL BUSINESS	6.64	28.05
UNIV MINNESOTA	5.75	27.67
CARLSON SCH MANAGEMENT	5.31	32.60
COLL BUSINESS ADM	5.31	25.34
MICHIGAN STATE UNIV	3.54	15.92
SCH BUSINESS	3.10	13.54
FISHER COLL BUSINESS	2.65	17.25
OHIO STATE UNIV	2.65	16.29
INDIANA UNIV	2.65	15.79
SCHULICH SCH BUSINESS	2.21	30.23
YORK UNIV	2.21	28.81
TEXAS CHRISTIAN UNIV	2.21	24.62
CLEMSON UNIV	2.21	17.27
DEPT MANAGEMENT SCI	2.21	13.82
SCH MANAGEMENT	2.21	8.29
OPERAT & MANAGEMENT SCI DEPT	2.21	20.74
KELLEY SCH BUSINESS	2.21	13.98
CHINESE UNIV HONG KONG	1.77	14.53
ROBERT H SMITH SCH BUSINESS	1.77	14.53

Country	f(%)	σ
Usa	40.71	47.61
Canada	6.64	24.80
Peoples r china	3.10	12.29
England	2.65	13.57
Spain	1.77	13.19
Netherlands	1.77	10.43
South korea	1.33	12.33
Switzerland	1.33	15.57
Italy	0.88	10.72
France	0.88	5.26

Author	f(%)	σ
Shah R	7.96	14.60
Ward PT	5.75	8.08
Schroeder RG	5.31	3.83
Nair A	4.87	7.84
Patel PC	4.42	5.37
Voss CA	3.98	10.33
Linderman K	3.98	4.09
Sousa R	3.98	9.76
Swink M	3.98	3.32
Narasimhan R	3.54	2.64

Reference	f(%)	σ
Shah R, 2003, J OPER MANAG (21), 129	43.81	324.47
Cua KO, 2001, J OPER MANAG (19), 675	41.15	323.09
Fornell C, 1981, J MARKETING RES (18), 39	26.11	95.61
Fullerton RR, 2003, J OPER MANAG (21), 383	24.78	267.40
Sakakibara S, 1993, Production and Operations Management (2), 0	24.34	237.09
Sakakibara S, 1997, MANAGE SCI (43), 1246	23.89	198.18
Flynn B B, 1994, Journal of Operations Management (11), 0	22.12	112.93
Shah R, 2007, J OPER MANAG (25), 785	21.24	267.60
Womack j P, 1990, MACHINE CHANGED WORL (0), 0	21.24	141.73
Flynn BB, 1995, DECISION SCI (26), 659	21.24	130.22
Flynn BB, 1995, ACAD MANAGE J (38), 1325	20.80	163.24
Ketokivi MA, 2004, J OPER MANAG (22), 247	20.35	183.01
Powell TC, 1995, STRATEGIC MANAGE J (16), 15	19.91	108.76
Hopp w J, 2004, Manufacturing & Service Operations Management (6), 0	19.47	255.57
Li SH, 2005, J OPER MANAG (23), 618	19.47	217.54
Ahire SL, 1996, DECISION SCI (27), 23	19.03	114.19
White RE, 1999, MANAGE SCI (45), 1	19.03	186.98
Podsakoff PM, 2003, J APPL PSYCHOL (88), 879	18.58	79.86
Huson M, 1995, Journal of Operations Management (12), 0	18.58	175.69
Dow D, 1999, PROD OPER MANAG (8), 1	18.14	121.38
Schmenner RW, 1998, J OPER MANAG (17), 97	17.26	104.56
Mclachlin R, 1997, Journal of Operations Management (15), 0	16.81	178.58
Narasimhan R, 2006, J OPER MANAG (24), 440	16.37	190.91
Hayes RH, 1984, RESTORING OUR COMPET (0), 0	15.93	80.21
Anderson JC, 1988, PSYCHOL BULL (103), 411	15.93	69.18

RefJournal	f(%)	σ
J OPER MANAG	47.79	78.85
MANAGE SCI	42.92	51.12
DECISION SCI	36.73	69.01
ACAD MANAGE REV	34.96	68.93
ACAD MANAGE J	34.51	72.34
STRATEGIC MANAGE J	34.51	69.20
HARVARD BUS REV	34.07	57.98
Journal of Operations Management	32.74	81.01
PROD OPER MANAG	32.30	49.31
INT J OPER PROD MAN	32.30	73.88

Table 3: The community 2 - "QUALITY MANAGEMENT" contains $N = 7$ articles. Its average internal link weight is $< \omega_{in} > \simeq 1/5$

Keyword	sigma	pagerank
QUALITY MANAGEMENT	0.26	0.04
SIX SIGMA	6.99	0.03
EVENT STUDY	5.40	0.02
TOTAL QUALITY MANAGEMENT	1.86	0.02
CONTINGENCY THEORY	0.25	0.02
MOTIVATION	4.85	0.01
ENVIRONMENTAL UNCERTAINTY	1.30	0.01
COMPLEXITY	1.17	0.01
PERFORMANCE	-0.92	0.01
PROCESS IMPROVEMENT	2.13	0.01
HIERARCHICAL LINEAR MODELING	3.27	0.01
SERVICE OPERATIONS	1.11	0.01
PERFORMANCE MEASUREMENT	1.69	0.01
ASIA	2.39	0.01
CULTURE	1.98	0.01
FIRM PERFORMANCE	3.36	0.01
AWARD	3.60	0.01
QUALITY	-0.25	0.01
STRUCTURAL EQUATION MODELING	-0.27	0.01
EMPIRICAL RESEARCH METHODS	-0.87	0.01

Subject	f(%)	σ
Operations Research & Management Science	100.00	0.00
Management	85.23	3.87
Engineering, Manufacturing	14.77	-3.87

Journal	f(%)	σ
J OPER MANAG	82.95	6.18
PROD OPER MANAG	14.77	-3.57
M&SOM-MANUF SERV OP	2.27	-3.74

Institution	f(%)	σ
UNIV MINNESOTA	10.23	30.92
DEPT MANAGEMENT	7.95	17.47
MICHIGAN STATE UNIV	6.82	19.41
CARLSON SCH MANAGEMENT	6.82	26.19
COLL BUSINESS	4.55	11.88
EMORY UNIV	4.55	20.95
SCH BUSINESS	4.55	12.54
DEPT MANAGEMENT & MKT	3.41	25.52
GOIZUETA BUSINESS SCH	3.41	16.99
FISHER COLL BUSINESS	3.41	13.89
OHIO STATE UNIV	3.41	13.12
MOORE SCH BUSINESS	3.41	20.02
DEPT MANAGEMENT SCI	3.41	13.41
INDIANA UNIV	3.41	12.71
RENSSELAER POLYTECH INST	3.41	22.29
KOWLOON	3.41	15.43
HONG KONG POLYTECH UNIV	3.41	17.96
OPERAT & MANAGEMENT SCI DEPT	3.41	20.02
KELLEY SCH BUSINESS	3.41	13.56
ELI BROAD GRAD SCH MANAGEMENT	3.41	13.12

Country	f(%)	σ
Usa	46.59	34.17
England	3.41	10.95
Peoples r china	3.41	8.48
Spain	3.41	16.02
Canada	2.27	5.06
Australia	2.27	14.31
Netherlands	2.27	8.42
Italy	1.14	8.62
Portugal	1.14	9.39
Singapore	1.14	4.78

Author	f(%)	σ
Linderman K	10.23	8.12
Schroeder RG	7.95	4.23
Jacobs BW	6.82	14.16
Xia YS	6.82	15.80
Zhang GP	6.82	21.22
Ahire SL	6.82	12.37
Swink M	6.82	4.35
Nair A	5.68	5.84
Moeller SB	4.55	18.87
Malhotra MK	4.55	3.77

Reference	f(%)	σ
Linderman K, 2003, J OPER MANAG (21), 193	47.73	296.52
Powell TC, 1995, STRATEGIC MANAGE J (16), 15	47.73	163.03
Nair A, 2006, J OPER MANAG (24), 948	40.91	286.64
Sila I, 2007, J OPER MANAG (25), 83	40.91	278.50
Schroeder RG, 2008, J OPER MANAG (26), 536	39.77	366.89
Zu XX, 2008, J OPER MANAG (26), 630	37.50	337.02
Flynn B B, 1994, Journal of Operations Management (11), 0	34.09	108.73
Linderman K, 2006, J OPER MANAG (24), 779	34.09	332.50
Choo AS, 2007, MANAGE SCI (53), 437	30.68	232.96
Kaynak H, 2003, J OPER MANAG (21), 405	29.55	143.26
Samson D, 1999, J OPER MANAG (17), 393	28.41	117.52
Sousa R, 2008, J OPER MANAG (26), 697	27.27	168.57
Hendricks KB, 2001, MANAGE SCI (47), 359	27.27	187.43
Hendricks KB, 1997, MANAGE SCI (43), 1258	25.00	123.90
Flynn BB, 1995, DECISION SCI (26), 659	23.86	91.33
Corbett CJ, 2005, MANAGE SCI (51), 1046	23.86	157.18
Hackman JR, 1995, ADMIN SCI QUART (40), 309	23.86	109.84
Douglas TJ, 2001, ACAD MANAGE J (44), 158	22.73	145.37
Deming WE, 1986, OUT CRISIS (0), 0	22.73	98.01
Benner MJ, 2002, ADMIN SCI QUART (47), 676	21.59	176.28
Sousa R, 2002, J OPER MANAG (20), 91	21.59	141.90
Hendricks KB, 2001, J OPER MANAG (19), 269	21.59	129.81
Schmenner RW, 1998, J OPER MANAG (17), 97	21.59	81.69
Barber BM, 1996, J FINANC ECON (41), 359	20.45	208.52
Podsakoff PM, 2003, J APPL PSYCHOL (88), 879	20.45	54.88

RefJournal	f(%)	σ
J OPER MANAG	55.68	57.47
MANAGE SCI	52.27	39.10
ACAD MANAGE J	50.00	65.70
DECISION SCI	46.59	54.83
ACAD MANAGE REV	45.45	56.15
ADMIN SCI QUART	44.32	65.38
STRATEGIC MANAGE J	42.05	52.75
HARVARD BUS REV	36.36	38.67
INT J OPER PROD MAN	35.23	50.33
J OPERATIONS MANAGEM	34.09	45.59