

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 10 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).

Table 1: The community 0 - “EMPIRICAL RESEARCH” contains $N = 14$ articles. Its average internal link weight is $< \omega_{in} > \simeq 1/17$

Keyword	f(%)	σ
EMPIRICAL RESEARCH	22.60	10.05
OPERATIONS STRATEGY	20.78	12.02
MANUFACTURING STRATEGY	18.18	23.81
SUPPLY CHAIN MANAGEMENT	7.79	-2.22
COMPETITIVE CAPABILITIES	4.94	13.08
RESOURCE-BASED VIEW	4.68	8.79
OPERATIONS MANAGEMENT	4.16	2.15
META-ANALYSIS	3.90	9.29
QUALITY MANAGEMENT	3.90	-0.52
CONTINGENCY THEORY	3.90	5.29
TRADE-OFFS	3.90	21.78
CUMULATIVE CAPABILITIES	3.90	14.35
THEORY DEVELOPMENT	3.64	7.19
TAXONOMY	3.64	9.98
FLEXIBILITY	3.64	3.47
MANUFACTURING CAPABILITIES	3.38	16.29
EMPIRICAL RESEARCH METHODS	3.12	1.80
TRADEOFFS	2.86	13.85
HIGH-TECH MANUFACTURING	2.86	11.26
QUALITY	2.86	1.02
Subject	f(%)	σ
Operations Research & Management Science	100.00	0.00
Management	66.67	0.43
Engineering, Manufacturing	33.33	-0.43
Journal	f(%)	σ
J OPER MANAG	64.63	4.76
PROD OPER MANAG	33.33	-0.43
M&SOM-MANUF SERV OP	2.04	-6.46

Institution	f(%)	σ
DEPT MANAGEMENT	9.67	45.06
MICHIGAN STATE UNIV	6.62	39.78
COLL BUSINESS ADM	5.85	36.89
COLL BUSINESS	5.34	29.64
UNIV MINNESOTA	4.58	28.93
ELI BROAD GRAD SCH MANAGEMENT	3.82	31.10
CARLSON SCH MANAGEMENT	3.82	30.77
DEPT MANAGEMENT SCI	2.80	23.19
DEPT MKT & SUPPLY CHAIN MANAGEMENT	2.80	23.73
INDIANA UNIV	2.80	21.97
KELLEY SCH BUSINESS	2.54	21.28
UNIV S CAROLINA	2.54	27.71
EMORY UNIV	2.54	24.61
CLEMSON UNIV	2.29	23.58
SCH MANAGEMENT	2.29	11.34
GOIZUETA BUSINESS SCH	2.29	24.00
UNIV TOLEDO	2.29	36.15
UNIV N CAROLINA	2.29	15.73
LONDON BUSINESS SCH	2.04	25.14
COLL MANAGEMENT	1.78	13.00
Country	f(%)	σ
Usa	41.22	62.14
England	4.07	27.12
Canada	3.05	14.27
Peoples r china	1.53	7.43
France	1.27	9.94
Finland	1.27	27.37
Italy	1.02	15.93
Spain	1.02	9.60
Portugal	1.02	17.36
South korea	0.76	9.00
Author	f(%)	σ
Rosenzweig ED	11.20	17.81
Roth AV	9.16	8.36
Swink M	8.65	11.85
Schroeder RG	8.40	9.20
Boyer KK	5.34	8.35
Kristal MM	2.80	6.08
Narasimhan R	2.80	2.07
Easton GS	2.80	10.33
Verma R	2.54	3.78
Peng DX	2.54	7.38

Reference	f(%)	σ
Ferdows K, 1990, J OPERATIONS MANAGEM (9), 168	53.44	388.12
Hayes RH, 1984, RESTORING OUR COMPET (0), 0	39.69	259.88
Miller JG, 1994, MANAGE SCI (40), 285	37.40	230.11
Schmenner RW, 1998, J OPER MANAG (17), 97	35.62	280.23
Hayes r H, 1996, PRODUCTION OPERATION (5), 25	33.33	332.81
Boyer KK, 2002, PROD OPER MANAG (11), 9	32.06	300.05
Rosenzweig ED, 2004, PROD OPER MANAG (13), 354	25.95	250.54
Skinner W, 1969, HARVARD BUS REV (47), 136	25.19	225.13
Skinner W, 1996, PRODUCTION OPERATION (5), 3	24.94	270.60
Noble MA, 1995, DECISION SCI (26), 693	24.94	284.40
Swamidass PM, 1987, MANAGE SCI (33), 509	24.17	172.70
Flynn BB, 1999, J OPER MANAG (17), 249	22.90	272.58
Gerwin D, 1993, MANAGE SCI (39), 395	22.39	179.85
Safizadeh MH, 2000, PROD OPER MANAG (9), 111	22.14	271.83
Vickery SK, 1993, DECISION SCI (24), 435	21.63	181.64
Barney J, 1991, J MANAGE (17), 99	21.37	120.63
Safizadeh MH, 1996, MANAGE SCI (42), 1576	20.87	178.38
Amundson SD, 1998, J OPER MANAG (16), 341	19.59	202.29
Roth a V, 1992, BUS HORIZONS (35), 73	19.34	263.18
White g P, 1996, J OPERATIONS MANAGEM (14), 315	19.34	230.57
Giffi C, 1990, COMPETING WORLD CLAS (0), 0	19.34	203.20
Flynn BB, 2004, J OPER MANAG (22), 439	18.83	239.81
Fornell C, 1981, J MARKETING RES (18), 39	18.07	85.48
Vickery s K, 1997, Journal of Operations Management (15), 0	18.07	215.08
Ward PT, 1998, DECISION SCI (29), 1035	17.56	204.97
RefJournal	f(%)	σ
J OPER MANAG	43.77	92.57
MANAGE SCI	43.00	65.71
HARVARD BUS REV	38.68	84.73
STRATEGIC MANAGE J	36.39	93.76
ACAD MANAGE REV	34.86	88.26
DECISION SCI	33.84	81.52
J OPERATIONS MANAGEM	33.84	93.13
Journal of Operations Management	29.26	92.85
PROD OPER MANAG	28.75	56.11
ACAD MANAGE J	28.75	77.15

Table 2: The community 2 - “QUALITY MANAGEMENT” contains $N = 14$ articles. Its average internal link weight is $\langle \omega_{in} \rangle \simeq 1/11$

Keyword	f(%)	σ
QUALITY MANAGEMENT	25.22	21.70
EMPIRICAL RESEARCH	21.55	10.22
SUPPLY CHAIN MANAGEMENT	9.27	-1.43
PERFORMANCE	9.27	10.37
OPERATIONS STRATEGY	9.05	2.65
QUALITY	7.54	8.14
TOTAL QUALITY MANAGEMENT	5.60	10.61
STRUCTURAL EQUATION MODELING	4.96	3.34
MANUFACTURING STRATEGY	4.31	3.94
EMPIRICAL RESEARCH METHODS	3.88	3.19
SIX SIGMA	3.88	6.93
CONTINGENCY THEORY	3.66	5.32
TQM	3.66	8.91
PURCHASING	3.45	2.67
TECHNOLOGY MANAGEMENT	3.23	3.21
SERVICE OPERATIONS	3.02	-2.16
CONTINGENCY RESEARCH	3.02	11.96
INTERDISCIPLINARY	3.02	3.50
ENVIRONMENTAL UNCERTAINTY	3.02	6.11
THEORY DEVELOPMENT	2.80	5.68
Subject	f(%)	σ
Operations Research & Management Science	100.00	0.00
Management	85.86	9.27
Engineering, Manufacturing	14.14	-9.28
Journal	f(%)	σ
J OPER MANAG	85.02	14.11
PROD OPER MANAG	14.14	-9.28
M&SOM-MANUF SERV OP	0.84	-7.87

Institution	f(%)	σ
DEPT MANAGEMENT	9.51	48.62
UNIV MINNESOTA	6.77	47.20
CARLSON SCH MANAGEMENT	5.29	46.95
OHIO STATE UNIV	4.86	43.61
COLL BUSINESS ADM	4.65	32.03
FISHER COLL BUSINESS	4.23	40.05
MICHIGAN STATE UNIV	4.02	26.22
COLL BUSINESS	3.59	21.62
ARIZONA STATE UNIV	3.38	28.12
DEPT SUPPLY CHAIN MANAGEMENT	3.17	29.56
DEPT MANAGEMENT SCI	2.96	26.93
SCH MANAGEMENT	2.96	16.32
LONDON BUSINESS SCH	2.75	37.36
ELI BROAD GRAD SCH MANAGEMENT	2.54	22.50
OPERAT & MANAGEMENT SCI DEPT	2.54	34.46
DEPT MKT & SUPPLY CHAIN MANAGEMENT	2.11	19.54
WP CAREY SCH BUSINESS	1.90	18.94
UNIV WESTERN ONTARIO	1.90	22.63
LONDON	1.90	22.63
EMORY UNIV	1.69	17.80
Country	f(%)	σ
Usa	38.69	63.81
England	4.02	29.34
Canada	3.81	19.73
Peoples r china	2.75	15.31
Spain	1.90	20.08
Australia	1.06	14.92
Portugal	1.06	19.79
Italy	0.85	14.47
Singapore	0.85	7.93
South korea	0.63	8.15
Author	f(%)	σ
Schroeder RG	10.76	13.81
Linderman K	5.91	9.54
Yeung ACL	4.01	9.35
Sousa R	3.80	13.02
Kaynak H	3.16	8.42
Hartley JL	2.95	9.04
Ward PT	2.95	4.80
Boyer KK	2.95	4.07
Zhao XD	2.95	7.16
Voss CA	2.74	9.62

Reference	f(%)	σ
Flynn B B, 1994, Journal of Operations Management (11), 0	50.42	367.11
Powell TC, 1995, STRATEGIC MANAGE J (16), 15	39.03	303.97
Dow D, 1999, PROD OPER MANAG (8), 1	35.65	339.98
Samson D, 1999, J OPER MANAG (17), 393	34.81	328.56
Flynn BB, 1995, DECISION SCI (26), 659	34.60	302.26
Ahire SL, 1996, DECISION SCI (27), 23	32.07	274.28
Saraph JV, 1989, DECISION SCI (20), 810	26.37	262.14
Choi TY, 1998, J OPER MANAG (17), 59	25.32	285.55
Flynn B B, 1990, J OPERATIONS MANAGEM (9), 250	24.47	189.89
Kaynak H, 2003, J OPER MANAG (21), 405	23.84	263.57
O'leary-kelly SW, 1998, J OPER MANAG (16), 387	22.78	179.90
Fornell C, 1981, J MARKETING RES (18), 39	21.94	114.21
Hendricks KB, 1997, MANAGE SCI (43), 1258	21.52	243.20
Anderson JC, 1995, DECISION SCI (26), 637	21.52	251.55
Anderson JC, 1988, PSYCHOL BULL (103), 411	21.31	131.94
Dean JW, 1994, ACAD MANAGE REV (19), 392	20.89	226.78
Sitkin SB, 1994, ACAD MANAGE REV (19), 537	20.68	229.47
Nunnally JC, 1978, PSYCHOMETRIC THEORY (0), 0	20.46	125.64
Anderson JC, 1994, ACAD MANAGE REV (19), 472	20.04	203.57
Hackman JR, 1995, ADMIN SCI QUART (40), 309	19.20	201.47
Bollen kenneth A, 1989, STRUCTURAL EQUATIONS (0), 0	18.99	133.73
Cua KO, 2001, J OPER MANAG (19), 675	18.78	209.60
Benson PG, 1991, MANAGE SCI (37), 1107	18.57	242.29
Deming WE, 1986, OUT CRISIS (0), 0	18.35	180.43
Sousa R, 2002, J OPER MANAG (20), 91	18.35	275.09
RefJournal	f(%)	σ
J OPER MANAG	44.30	102.94
MANAGE SCI	37.34	62.30
DECISION SCI	36.71	97.26
J OPERATIONS MANAGEM	35.44	107.19
ACAD MANAGE REV	34.18	95.00
STRATEGIC MANAGE J	33.76	95.40
HARVARD BUS REV	32.07	76.82
ACAD MANAGE J	31.01	91.51
Journal of Operations Management	30.80	107.41
INT J OPER PROD MAN	26.16	84.11

Table 3: The community 3 - “SUPPLY CHAIN MANAGEMENT” contains $N = 12$ articles. Its average internal link weight is $\langle \omega_{in} \rangle \simeq 1/14$

Keyword	f(%)	σ
SUPPLY CHAIN MANAGEMENT	29.39	10.57
EMPIRICAL RESEARCH	12.68	2.88
SUPPLY MANAGEMENT	10.09	10.43
SUPPLY CHAIN INTEGRATION	8.93	12.06
STRUCTURAL EQUATION MODELING	8.07	6.58
BUYER-SUPPLIER RELATIONSHIPS	6.05	6.67
OUTSOURCING	5.76	3.36
OPERATIONS STRATEGY	5.76	-0.27
PURCHASING	4.61	3.94
SUPPLIER INTEGRATION	4.03	9.23
CHINA	4.03	7.85
PERFORMANCE	4.03	2.32
PRODUCT DEVELOPMENT	3.75	0.90
TRUST	3.75	5.49
SUPPLY CHAIN	3.75	1.72
SOCIAL EXCHANGE THEORY	3.46	11.86
QUALITY MANAGEMENT	3.46	-0.89
SUPPLIER DEVELOPMENT	3.46	9.25
OPERATIONAL PERFORMANCE	3.17	6.48
MANUFACTURING STRATEGY	2.88	1.43
Subject	f(%)	σ
Operations Research & Management Science	100.00	0.00
Management	95.98	11.92
Engineering, Manufacturing	4.02	-11.92
Journal	f(%)	σ
J OPER MANAG	93.97	15.44
PROD OPER MANAG	4.02	-11.92
M&SOM-MANUF SERV OP	2.01	-6.09

Institution	f(%)	σ
DEPT MANAGEMENT	9.48	41.57
MICHIGAN STATE UNIV	7.47	42.36
COLL BUSINESS ADM	5.75	34.08
DEPT SUPPLY CHAIN MANAGEMENT	4.31	34.62
COLL BUSINESS	4.31	22.37
SCH MANAGEMENT	4.02	19.28
ELI BROAD GRAD SCH MANAGEMENT	3.74	28.63
DEPT MKT & SUPPLY CHAIN MANAGEMENT	3.45	27.61
SCH BUSINESS	3.16	17.16
ARIZONA STATE UNIV	2.59	18.33
DEPT MANAGEMENT SCI	2.59	20.13
INDIANA UNIV	2.59	19.07
TEXAS CHRISTIAN UNIV	2.30	31.75
UNIV WESTERN ONTARIO	2.30	23.52
RICHARD IVEY SCH BUSINESS LONDON	2.30	24.47
LONDON	2.30	23.52
OHIO STATE UNIV	2.30	17.45
COLL MANAGEMENT	2.01	13.88
CLEMSON UNIV	2.01	19.45
KELLEY SCH BUSINESS	2.01	15.74
Country	f(%)	σ
Usa	41.09	58.29
Canada	5.46	24.60
England	4.02	25.21
Peoples r china	3.45	16.66
Spain	1.15	10.25
Italy	0.86	12.66
Netherlands	0.86	5.92
Switzerland	0.86	12.18
South korea	0.57	6.30
Australia	0.57	6.83
Author	f(%)	σ
Narasimhan R	6.32	7.32
Paulraj A	4.02	7.91
Chen IJ	4.02	7.91
Huo BF	4.02	11.04
Zhao XD	4.02	8.86
Swink M	3.74	3.52
Handley SM	3.45	5.29
Griffith DA	3.45	11.91
Kaynak H	3.16	7.20
Cousins PD	3.16	8.89

Reference	f(%)	σ
Frohlich MT, 2001, J OPER MANAG (19), 185	44.25	288.77
Carr AS, 1999, J OPER MANAG (17), 497	42.53	303.18
Fornell C, 1981, J MARKETING RES (18), 39	41.09	183.95
Armstrong JS, 1977, J MARKETING RES (14), 396	38.79	204.46
Anderson JC, 1988, PSYCHOL BULL (103), 411	35.92	191.03
Podsakoff PM, 2003, J APPL PSYCHOL (88), 879	30.75	161.54
Dyer JH, 1998, ACAD MANAGE REV (23), 660	29.89	189.37
Vickery SK, 2003, J OPER MANAG (21), 523	27.30	240.56
Chen IJ, 2004, J OPER MANAG (22), 119	26.15	220.95
Barney J, 1991, J MANAGE (17), 99	25.86	137.48
Podsakoff PM, 1986, J MANAGE (12), 531	25.57	145.78
Bagozzi RP, 1991, ADMIN SCI QUART (36), 421	25.00	167.22
Shin H, 2000, J OPER MANAG (18), 317	24.43	233.08
Narasimhan R, 2002, J OPER MANAG (20), 303	23.56	226.74
Rosenzweig ED, 2003, J OPER MANAG (21), 437	22.41	212.31
Krause DR, 1999, J OPER MANAG (17), 205	22.41	211.93
Narasimhan R, 1998, DECISION SCI (29), 579	21.84	198.82
Nunnally JC, 1978, PSYCHOMETRIC THEORY (0), 0	21.55	113.41
Bollen kenneth A, 1989, STRUCTURAL EQUATIONS (0), 0	20.98	126.65
Dillman d A, 1978, MAIL TELEPHONE SURVE (0), 0	20.69	161.30
O'leary-kelly SW, 1998, J OPER MANAG (16), 387	20.69	139.92
Krause DR, 1998, J OPER MANAG (17), 39	19.25	208.65
Choi t Y, 1996, J OPERATIONS MANAGEM (14), 333	18.68	172.79
Miller JG, 1994, MANAGE SCI (40), 285	18.68	107.83
Anderson E, 1992, J MARKETING RES (29), 18	18.39	176.74
RefJournal	f(%)	σ
J OPER MANAG	46.84	93.35
MANAGE SCI	40.80	58.55
STRATEGIC MANAGE J	39.37	95.57
ACAD MANAGE REV	37.93	90.50
HARVARD BUS REV	36.21	74.53
ACAD MANAGE J	35.92	91.03
DECISION SCI	33.91	76.86
J MARKETING RES	33.91	88.35
ADMIN SCI QUART	30.17	85.83
J MARKETING	29.60	80.38

Table 4: The community 4 - “EMPIRICAL RESEARCH” contains $N = 3$ articles. Its average internal link weight is $< \omega_{in} > \simeq 1/3$

Keyword	f(%)	σ	Institution	f(%)	σ
EMPIRICAL RESEARCH	33.85	7.40	DEPT MANAGEMENT	24.24	46.81
FLEXIBILITY	29.23	18.46	MICHIGAN STATE UNIV	12.12	30.09
OPERATIONS STRATEGY	23.08	5.71	COLL BUSINESS ADM	10.61	27.60
SUPPLY CHAIN MANAGEMENT	10.77	-0.15	COLL BUSINESS	9.09	20.86
MANUFACTURING FLEXIBILITY	10.77	10.86	DEPT MANAGEMENT SCI	7.58	26.04
MANUFACTURING	7.69	5.25	ELI BROAD GRAD SCH MANAGEMENT	7.58	25.49
VOLUME FLEXIBILITY	7.69	12.43	ZICKLIN SCH BUSINESS	6.06	53.71
MEASUREMENT	6.15	7.75	DEPT SUPPLY CHAIN MANAGEMENT	6.06	21.27
STRUCTURAL EQUATION MODELING	6.15	1.86	UNIV ARKANSAS	6.06	34.40
CASE STUDY RESEARCH	6.15	4.81	DEPT MKT & SUPPLY CHAIN MANAGEMENT	6.06	21.27
OPERATIONAL ABSORPTIVE CAPACITY	6.15	8.30	SCH BUSINESS	6.06	14.57
ORGANIZATIONAL-SLACK	4.62	12.85	UNIV S CAROLINA	6.06	27.24
UNCERTAINTY	4.62	2.49	SAM M WALTON COLL BUSINESS	4.55	30.71
FLEXIBILITY COMPETENCE	4.62	13.60	GOIZUETA BUSINESS SCH	4.55	19.67
SUPPLY CHAIN FLEXIBILITY	4.62	10.77	ELI BROAD COLL BUSINESS	4.55	26.57
DELIVERY PERFORMANCE	4.62	8.68	EMORY UNIV	4.55	18.14
ENVIRONMENTAL DYNAMISM	4.62	10.59	CUNY BERNARD M BARUCH COLL	4.55	47.67
MIX FLEXIBILITY	4.62	10.77	UNIV ALABAMA	4.55	37.66
DATA ENVELOPMENT ANALYSIS	4.62	3.30	GEORGIA INST TECHNOL	3.03	8.89
TRANSFORMATION MODEL	4.62	12.85	UNIV NOTRE DAME	3.03	13.81
Subject	f(%)	σ	Country	f(%)	σ
Operations Research & Management Science	100.00	0.00	Usa	60.61	37.93
Management	80.30	2.51	Canada	6.06	11.93
Engineering, Manufacturing	19.70	-2.51	Italy	3.03	19.63
			Singapore	3.03	11.07
			England	3.03	8.21
			Australia	1.52	8.04
			India	1.52	8.04
			Taiwan	1.52	14.46
			South korea	1.52	7.45
Journal	f(%)	σ	Author	f(%)	σ
J OPER MANAG	77.27	4.01	Narasimhan R	12.12	7.04
PROD OPER MANAG	19.70	-2.51	Malhotra MK	12.12	9.68
M&SOM-MANUF SERV OP	3.03	-2.41	Das A	9.09	8.67
			Talluri S	7.58	8.76
			Jack EP	7.58	11.14
			Rosenzweig ED	7.58	4.64
			Patel PC	6.06	4.12
			Koste LL	6.06	10.73
			Swink M	6.06	3.11
			Menor LJ	4.55	3.22
Reference	f(%)	σ	RefJournal	f(%)	σ
Koste LL, 1999, J OPER MANAG (18), 75	69.70	307.11	MANAGE SCI	68.18	43.30
Gupta y P, 1996, Production and Operations Management (5), 0	65.15	271.56	HARVARD BUS REV	60.61	54.82
Gerwin D, 1993, MANAGE SCI (39), 395	60.61	199.82	J OPER MANAG	60.61	52.82
D'souza DE, 2000, J OPER MANAG (18), 577	53.03	289.74	DECISION SCI	50.00	49.67
Upton DM, 1994, CALIF MANAGE REV (36), 72	51.52	264.67	STRATEGIC MANAGE J	50.00	53.03
Sethi a K, 1990, International Journal of Flexible Manufacturing Systems (2), 0	50.00	234.48	J OPERATIONS MANAGEM	48.48	54.93
Swamidass PM, 1987, MANAGE SCI (33), 509	43.94	128.83	Journal of Operations Management	46.97	61.38
Upton DM, 1997, MANAGE SCI (43), 1079	42.42	179.94	ACAD MANAGE REV	46.97	48.95
Suarez FF, 1996, OPER RES (44), 223	36.36	186.06	CALIF MANAGE REV	45.45	59.77
Dixon JR, 1992, EUR J OPER RES (60), 131	30.30	222.20	Production and Operations Management	45.45	84.66
Narasimhan R, 1999, DECISION SCI (30), 683	30.30	142.05			
Slack N, 1983, International Journal of Operations & Production Management (3), 0	30.30	204.61			
Fornell C, 1981, J MARKETING RES (18), 39	28.79	56.02			
Hayes RH, 1984, RESTORING OUR COMPET (0), 0	28.79	77.17			
Gerwin D, 1987, INT J OPER PROD MAN (7), 38	27.27	201.33			
Miller JG, 1994, MANAGE SCI (40), 285	25.76	64.86			
Browne J, 1984, FMS Magazine (2), 0	24.24	182.27			
Nunnally JC, 1978, PSYCHOMETRIC THEORY (0), 0	24.24	55.59			
Kekre S, 1990, MANAGE SCI (36), 1216	24.24	120.92			
Gupta YP, 1992, EUR J OPER RES (60), 166	22.73	168.39			
Vokurka RJ, 2000, J OPER MANAG (18), 485	21.21	166.39			
Suarez FF, 1995, SLOAN MANAGE REV (37), 25	21.21	169.64			
Ettlie JE, 1994, MANAGE SCI (40), 1444	21.21	185.98			
Boyer K K, 1997, Journal of Operations Management (15), 0	21.21	91.10			
Pagell M, 1999, J OPER MANAG (17), 307	21.21	144.41			

Table 5: The community 8 - “SUPPLY CHAIN MANAGEMENT” contains $N = 3$ articles. Its average internal link weight is $\langle \omega_{in} \rangle \simeq 1/3$

Keyword	f(%)	σ
SUPPLY CHAIN MANAGEMENT	22.92	3.56
EMPIRICAL RESEARCH	12.50	1.45
RISK	8.33	14.09
SUPPLY CHAIN DISRUPTIONS	6.25	15.64
SUPPLY RISK	5.21	8.77
LITERATURE REVIEW	5.21	3.31
RESEARCH AGENDA	5.21	5.51
RISK MANAGEMENT	5.21	6.62
SUPPLY CHAIN INTEGRATION	5.21	3.21
STOCK PRICE PERFORMANCE	5.21	10.75
DISRUPTIONS	5.21	12.24
OPERATIONS STRATEGY	5.21	-0.37
UNCERTAINTY	4.17	2.63
OPERATIONS MANAGEMENT	4.17	1.08
HEDGING	4.17	12.58
SUPPLY CHAIN	4.17	1.18
SUPPLY CHAIN RISK MANAGEMENT	4.17	9.17
QUALITY MANAGEMENT	3.12	-0.63
INFORMATION TECHNOLOGY		
ADOPTION	3.12	8.20
SECOND-TIER SUPPLIERS	3.12	6.99

Subject	f(%)	σ
Operations Research & Management Science	100.00	0.00
Management	57.14	-1.77
Engineering, Manufacturing	42.86	1.77

Journal	f(%)	σ
J OPER MANAG	43.88	-1.74
PROD OPER MANAG	42.86	1.77
M&SOM-MANUF SERV OP	13.27	0.08

Institution	f(%)	σ
GEORGIA INST TECHNOL	8.25	29.80
COLL MANAGEMENT	8.25	30.85
COLL BUSINESS ADM	5.15	16.11
UNIV WESTERN ONTARIO	4.12	22.42
WHARTON SCH	4.12	19.64
COLL BUSINESS	4.12	11.29
MICHIGAN STATE UNIV	4.12	12.20
RICHARD IVEY SCH BUSINESS	4.12	23.31
SCH MANAGEMENT	4.12	10.44
LONDON	4.12	22.42
UNIV PENN	4.12	19.36
UNIV MICHIGAN	4.12	17.47
UNIV N CAROLINA	3.09	10.65
DEPT MANAGEMENT	3.09	6.88
GEORGIA SO UNIV	3.09	35.86
MERRICK SCH BUSINESS	3.09	35.86
UNIV BALTIMORE	3.09	33.19
AB FREEMAN SCH BUSINESS	2.06	20.65
WASHINGTON UNIV	2.06	11.34
LONDON BUSINESS SCH	2.06	12.65

Country	f(%)	σ
Usa	56.70	42.94
Canada	9.28	22.35
England	6.19	20.62
France	2.06	8.15
Israel	1.03	8.35
Australia	1.03	6.58
Sweden	1.03	11.90
Netherlands	1.03	3.78
Germany	1.03	5.96
Greece	1.03	9.68

Author	f(%)	σ
Singhal VR	10.20	14.58
Hendricks KB	9.18	14.11
Stratman JK	5.10	6.37
Gupta S	4.08	4.17
Singhal J	4.08	3.67
Sodhi MS	4.08	8.61
Modi SB	3.06	4.57
Tang CS	3.06	4.00
Shockley J	3.06	9.43
Ellis SC	3.06	9.43

Reference	f(%)	σ
Hendricks KB, 2005, PROD OPER MANAG (14), 35	69.39	339.85
Kleindorfer PR, 2005, PROD OPER MANAG (14), 53	60.20	315.75
Hendricks KB, 2003, J OPER MANAG (21), 501	56.12	295.27
Chopra S, 2004, MIT SLOAN MANAGE REV (46), 53	23.47	176.32
Hendricks KB, 2005, MANAGE SCI (51), 695	22.45	148.12
Sodhi MS, 2005, PROD OPER MANAG (14), 69	20.41	183.21
Tomlin B, 2006, MANAGE SCI (52), 639	20.41	154.73
Gan XH, 2005, PROD OPER MANAG (14), 80	15.31	117.69
Lee HL, 1997, MANAGE SCI (43), 546	15.31	57.73
Martinez-de-albeniz V, 2005, PROD OPER MANAG (14), 90	13.27	107.63
Sheffi Y, 2005, RESILIENT ENTERPRISE (0), 0	13.27	160.38
Choi TY, 2006, J OPER MANAG (24), 637	13.27	86.06
Tang CS, 2006, INT J PROD ECON (103), 451	12.24	122.46
Carhart MM, 1997, J FINANC (52), 57	12.24	158.96
Fine CH, 2000, PROD OPER MANAG (9), 213	11.22	64.95
Eisenhardt KM, 1989, ACAD MANAGE REV (14), 532	11.22	37.74
Fisher M, 1997, Production and Operations Management (6), 0	11.22	81.94
Sheffi Y, 2005, MIT SLOAN MANAGE REV (47), 41	11.22	149.43
Gaur V, 2005, MANAGE SCI (51), 181	11.22	75.02
Gan XH, 2004, PROD OPER MANAG (13), 135	11.22	91.24
Lee HL, 2004, HARVARD BUS REV (82), 102	11.22	76.94
Parker GG, 2002, PROD OPER MANAG (11), 75	11.22	62.97
Huchzermeier A, 1996, OPER RES (44), 100	11.22	92.76
Spekman r E, 2004, International Journal of Physical Distribution & Logistics Management (34), 0	11.22	161.31
Cachon GP, 2000, MANAGE SCI (46), 1032	11.22	53.82

RefJournal	f(%)	σ
MANAGE SCI	58.16	44.82
PROD OPER MANAG	57.14	56.66
J OPER MANAG	46.94	49.64
HARVARD BUS REV	38.78	42.42
OPER RES	30.61	32.76
STRATEGIC MANAGE J	29.59	37.93
ACAD MANAGE REV	28.57	35.99
EUR J OPER RES	24.49	29.12
DECISION SCI	23.47	27.98
ACAD MANAGE J	23.47	31.31

Table 6: The community 1 - “REMANUFACTURING” contains $N = 2$ articles. Its average internal link weight is $< \omega_{in} > \simeq 1/1$

Keyword	f(%)	σ	Institution	f(%)	σ
REMANUFACTURING	53.85	33.02	PENN STATE UNIV	19.51	60.06
REVERSE LOGISTICS	15.38	13.68	INSEAD	17.07	48.62
CLOSED-LOOP SUPPLY CHAINS	15.38	13.65	SMEAL COLL BUSINESS	12.20	46.96
CASH SUPPLY CHAIN	10.26	16.95	GEORGIA INST TECHNOLOG	12.20	28.73
SIMULATION	10.26	4.28	COLL MANAGEMENT	12.20	29.74
QUEUEING	10.26	14.99	COLL BUSINESS	12.20	22.14
PRICING	10.26	3.24	UNIV MARYLAND	9.76	28.78
PRODUCT ACQUISITION			SCH MANAGEMENT	9.76	16.39
MANAGEMENT	7.69	17.82	LONDON	7.32	25.95
PRODUCTION PLANNING	7.69	7.42	DEPT MANAGEMENT	7.32	10.95
MODULAR DESIGN	5.13	12.87	UNIV WESTERN ONTARIO	7.32	25.95
VALUE OF INFORMATION	5.13	5.18	ROBERT H SMITH SCH BUSINESS	7.32	25.95
PRODUCT RECOVERY	5.13	11.72	DEPT SUPPLY CHAIN & INFORMAT		
CITATION ANALYSIS	5.13	4.86	SYST	7.32	40.76
SUPPLY CHAIN MANAGEMENT	5.13	-1.23	DUQUESNE UNIV	4.88	36.80
BIBLIOMETRIC TECHNIQUES	5.13	6.09	DEPT IND & SYST ENGN	4.88	23.22
QUALITY GRADING	5.13	18.69	UNIV PENN	4.88	14.92
FEDERAL RESERVE SYSTEM	5.13	11.08	COLORADO STATE UNIV	4.88	30.03
COMPETITION	5.13	2.45	SMEAL COLL BUSINESS ADM	4.88	63.80
CROSS SHIPPING	5.13	13.14	WHARTON SCH	4.88	15.13
ASSEMBLY LINES	5.13	15.67	UNIV MIAMI	4.88	24.05
Subject	f(%)	σ	Country	f(%)	σ
Operations Research & Management Science	100.00	0.00	Usa	65.85	32.56
Engineering, Manufacturing	68.29	4.57	France	17.07	44.99
Management	31.71	-4.58	Canada	12.20	19.18
			Turkey	2.44	10.55
			Italy	2.44	12.44
			Singapore	2.44	7.00
			Greece	2.44	14.98
			England	2.44	5.17
Journal	f(%)	σ	Author	f(%)	σ
PROD OPER MANAG	68.29	4.57	Guide VDR	31.71	32.22
J OPER MANAG	21.95	-3.94	Souza GC	21.95	26.04
M&SOM-MANUF SERV OP	9.76	-0.62	Van Wassenhove LN	17.07	10.79
			Sriskandarajah C	9.76	7.41
			Akcali E	9.76	27.09
			Ketzenberg ME	9.76	11.33
			Atasu A	9.76	10.52
			Ferguson M	7.32	10.05
			Toktay LB	7.32	8.11
			Ferguson ME	4.88	6.56
Reference	f(%)	σ			
Guide VDR, 2000, J OPER MANAG (18), 467	82.93	428.49			
Guide VDR, 2001, PROD OPER MANAG (10), 142	75.61	433.89			
Thierry M, 1995, CALIF MANAGE REV (37), 114	41.46	226.67			
Guide v d r JR, 2003, Manufacturing & Service Operations Management (5), 0	39.02	275.59			
Savaskan RC, 2004, MANAGE SCI (50), 239	34.15	208.39			
Fleischmann M, 1997, EUR J OPER RES (103), 1	34.15	169.01			
Van der laan E, 1999, MANAGE SCI (45), 733	24.39	190.56			
Toktay LB, 2000, MANAGE SCI (46), 1412	21.95	163.78			
Klausner M, 2000, INTERFACES (30), 156	21.95	262.80			
Guide VDR, 2000, INTERFACES (30), 125	21.95	178.23			
Ray S, 2005, Manufacturing & Service Operations Management (7), 0	19.51	232.99			
Guide VDR, 1998, J OPER MANAG (16), 551	19.51	188.42			
Ferrer G, 2001, PROD OPER MANAG (10), 112	19.51	139.57			
Majumder P, 2001, PROD OPER MANAG (10), 125	19.51	130.98			
Krikke HR, 1999, OR SPEKTRUM (21), 381	19.51	211.85			
Guide jr v d R, 2003, BUSINESS ASPECTS CLO (0), 0	19.51	161.38			
Fleischmann M, 2001, PROD OPER MANAG (10), 156	17.07	130.20			
Guide VDR, 2003, J OPER MANAG (21), 259	17.07	105.17			
Debo LG, 2005, MANAGE SCI (51), 1193	17.07	92.23			
Dekker R, 2004, REVERSE LOGISTICS QU (0), 0	17.07	103.87			
Blackburn JD, 2004, CALIF MANAGE REV (46), 6	14.63	88.66			
Fleischmann M, 2000, THESIS ERASMUS U ROT (0), 0	14.63	146.14			
Ferguson ME, 2006, PROD OPER MANAG (15), 351	14.63	101.65			
Souza GC, 2002, PROD OPER MANAG (11), 231	14.63	126.90			
Guide VDR, 1999, ROBOT CIM-INT MANUF (15), 221	12.20	178.57			
RefJournal	f(%)	σ			
MANAGE SCI	60.98	30.43			
J OPER MANAG	60.98	41.89			
PROD OPER MANAG	58.54	37.56			
CALIF MANAGE REV	46.34	48.03			
INTERFACES	41.46	47.50			
EUR J OPER RES	41.46	32.26			
INT J PROD RES	31.71	34.45			
Manufacturing & Service Operations Management	29.27	27.10			
OPER RES	26.83	18.50			
HARVARD BUS REV	26.83	18.81			

Table 7: The community 5 - “EMPIRICAL RESEARCH” contains $N = 2$ articles. Its average internal link weight is $< \omega_{in} > \simeq 1/1$

Keyword	f(%)	σ
EMPIRICAL RESEARCH	16.22	1.71
OPERATIONS STRATEGY	16.22	2.57
SUPPLY CHAIN MANAGEMENT	13.51	0.41
THEORY BUILDING	10.81	8.87
OPERATIONS MANAGEMENT	10.81	3.28
CASE STUDIES	8.11	3.93
CUSTOMER SATISFACTION	5.41	2.16
PRODUCT DEVELOPMENT	5.41	0.89
SUPPORT PROCESS OUTSOURCING	5.41	10.59
QUALITY MANAGEMENT	5.41	0.28
INFORMATION TECHNOLOGY		
ADOPTION	5.41	8.97
METRICS	5.41	5.13
COLLABORATION AND		
COORDINATION	5.41	11.84
BUFFA	5.41	6.83
CAPACITY MANAGEMENT	5.41	4.61
LABORATORY RESEARCH	5.41	6.56
QUALITATIVE RESEARCH	5.41	4.92
RESEARCH METHODS	5.41	7.93
INTERDISCIPLINARY	5.41	2.31
ENTERPRISE RESOURCE PLANNING	5.41	5.06
Subject	f(%)	σ
Operations Research & Management Science	100.00	0.00
Engineering, Manufacturing	51.35	2.17
Management	48.65	-2.18
Journal	f(%)	σ
PROD OPER MANAG	51.35	2.17
J OPER MANAG	45.95	-0.82
M&SOM-MANUF SERV OP	2.70	-1.86

Institution	f(%)	σ
FLORIDA INT UNIV	10.81	84.95
DEPT SUPPLY CHAIN MANAGEMENT	10.81	28.52
COLL BUSINESS ADM	10.81	21.07
DEPT MANAGEMENT	8.11	11.55
ARIZONA STATE UNIV	8.11	19.07
WP CAREY SCH BUSINESS	8.11	23.00
COLL BUSINESS	8.11	13.91
UNIV UTAH	8.11	31.78
DAVID ECCLES SCH BUSINESS	8.11	31.78
IOWA STATE UNIV	5.41	29.99
ROBINSON COLL BUSINESS	5.41	47.47
GEORGIA STATE UNIV	5.41	29.99
UNIV BALTIMORE	5.41	35.86
GRAD SCH BUSINESS	5.41	12.78
UNIV ARKANSAS	5.41	22.96
EMORY UNIV	5.41	16.18
GOIZUETA BUSINESS SCH	5.41	17.54
DEPT DECIS SCI & INFORMAT		
SYST	5.41	54.83
SAM M WALTON COLL BUSINESS	5.41	27.36
ROLLINS COLL	5.41	67.17
Country	f(%)	σ
Usa	64.86	30.45
Canada	5.41	7.94
England	5.41	11.11
Turkey	2.70	11.11
Australia	2.70	10.81
Portugal	2.70	14.26
Sweden	2.70	19.35
South korea	2.70	10.03
Author	f(%)	σ
Gupta S	18.92	13.67
Singhal K	13.51	9.72
Singhal J	13.51	8.72
Starr MK	10.81	11.01
Stratman JK	10.81	8.78
Rosenzweig ED	8.11	3.77
Choi TY	8.11	3.99
Barratt M	8.11	7.04
Li M	8.11	9.27
Voss CA	5.41	5.63

Reference	f(%)	σ
Boyer KK, 2005, PROD OPER MANAG (14), 442	86.49	283.92
Buhman C, 2005, PROD OPER MANAG (14), 493	72.97	292.15
Kleindorfer PR, 2005, PROD OPER MANAG (14), 482	45.95	153.78
Krishnan V, 2005, PROD OPER MANAG (14), 433	37.84	168.74
Kouvelis P, 2005, PROD OPER MANAG (14), 450	35.14	165.88
Schroeder RG, 2005, PROD OPER MANAG (14), 468	35.14	163.37
Ketokivi M, 2006, PROD OPER MANAG (15), 215	29.73	147.56
Rosenzweig ED, 2004, PROD OPER MANAG (13), 354	29.73	88.08
Mallick DN, 2005, PROD OPER MANAG (14), 142	27.03	105.43
Tsikriktis N, 2004, PROD OPER MANAG (13), 216	24.32	100.39
Sousa R, 2001, PROD OPER MANAG (10), 383	24.32	85.72
Holt CC, 1956, MANAGE SCI (2), 159	18.92	146.27
Baron RM, 1986, J PERS SOC PSYCHOL (51), 1173	18.92	43.55
Kouvelis P, 2006, PROD OPER MANAG (15), 449	18.92	71.96
Kleindorfer PR, 2005, PROD OPER MANAG (14), 53	18.92	60.89
Skinner W, 1969, HARVARD BUS REV (47), 136	18.92	51.84
Holt C C, 1955, MANAGE SCI (2), 1	18.92	126.09
Schmidt GM, 2005, PROD OPER MANAG (14), 272	18.92	95.03
Hendricks KB, 2005, PROD OPER MANAG (14), 35	18.92	56.85
Miller JG, 1994, MANAGE SCI (40), 285	18.92	35.61
Hayes RH, 1984, RESTORING OUR COMPET (0), 0	18.92	37.91
Ferdows K, 1990, J OPERATIONS MANAGEM (9), 168	18.92	42.06
Eisenhardt KM, 1989, ACAD MANAGE REV (14), 532	16.22	33.58
Frohlich MT, 2001, J OPER MANAG (19), 541	16.22	67.77
Barney J, 1991, J MANAGE (17), 99	16.22	28.03
RefJournal	f(%)	σ
PROD OPER MANAG	70.27	42.95
MANAGE SCI	64.86	30.80
J OPER MANAG	59.46	38.79
HARVARD BUS REV	56.76	38.40
DECISION SCI	45.95	34.14
ACAD MANAGE REV	45.95	35.84
PRODUCTION OPERATION	40.54	44.92
ACAD MANAGE J	40.54	33.56
STRATEGIC MANAGE J	40.54	32.10
ADMIN SCI QUART	35.14	32.65

Table 8: The community 6 - “CALL CENTERS” contains $N = 2$ articles. Its average internal link weight is $\langle \omega_{in} \rangle \simeq 1/1$

∞	Keyword	f(%)	σ	Institution	f(%)	σ	Reference	f(%)	σ
	CALL CENTERS	28.26	21.66	COLUMBIA UNIV	13.04	37.55	Gans N, 2003, Manufacturing & Service Operations Management (5), 0	97.83	415.95
	STAFFING	19.57	16.26	SCH BUSINESS	13.04	26.45	Wallace r B, 2005, Manufacturing & Service Operations Management (7), 0	45.65	310.13
	SKILL-BASED ROUTING	15.22	15.76	UNIV N CAROLINA	6.52	15.67	Brown L, 2005, J AM STAT ASSOC (100), 36	41.30	206.74
	CONTACT CENTERS	10.87	17.78	KOC UNIV	6.52	48.26	Avramidis AN, 2004, MANAGE SCI (50), 896	30.43	190.20
	QUEUEING	8.70	8.31	GRAD SCH BUSINESS	6.52	17.23	Aksin ZN, 2007, PROD OPER MANAG (16), 665	28.26	240.17
	OUTSOURCING	8.70	2.43	VRIJE UNIV AMSTERDAM	6.52	57.12	Halfin S, 1981, OPER RES (29), 567	26.09	153.32
	CALL CENTER MANAGEMENT	8.70	17.76	COLL ADM SCI & ECON	6.52	48.26	Borst S, 2004, OPER RES (52), 17	26.09	180.07
	CHURN	6.52	13.84	IEOR DEPT	6.52	57.12	Whitt W, 2006, PROD OPER MANAG (15), 88	26.09	190.46
	BANKING	6.52	5.19	NORTHWESTERN UNIV	6.52	23.62	Chevalier P, 2003, INT J PROD ECON (85), 47	23.91	222.14
	SERVICE OPERATIONS	6.52	0.38	DEPT MATH	6.52	48.26	Garnett O, 2002, Manufacturing & Service Operations Management (4), 0	23.91	145.65
	FINANCIAL SERVICES	6.52	6.76	NYU	4.35	16.93	Green LV, 2007, PROD OPER MANAG (16), 13	23.91	153.40
	HEAVY TRAFFIC	4.35	9.94	GEORGIA INST TECHNOL	4.35	10.73	Jongbloed G, 2001, APPL STOCH MODEL BUS (17), 307	21.74	146.00
	CUSTOMER CONTACT CENTERS	4.35	12.63	TEXAS A&M UNIV	4.35	15.98	Harrison j M, 2005, Manufacturing & Service Operations Management (7), 0	19.57	138.20
	BURSTY CALL ARRIVAL	4.35	11.37	SAN FRANCISCO STATE UNIV	4.35	38.06	Whitt W, 2006, OPER RES (54), 37	19.57	118.94
	VALUE-BASED ROUTING	4.35	12.63	LEONARD N STERN SCH BUSINESS	4.35	28.34	Whitt W, 1999, OPER RES LETT (24), 205	19.57	127.76
	TELEPHONE CALL CENTERS	4.35	9.27	HARVARD UNIV	4.35	16.60	Franx GJ, 2006, PERFORM EVALUATION (63), 799	19.57	192.06
	LOSS MODEL	4.35	16.84	KENAN FLAGLER BUSINESS SCH	4.35	12.01	Zohar E, 2002, MANAGE SCI (48), 566	17.39	98.57
	DIMENSION REDUCTION	4.35	14.86	COLL BUSINESS	4.35	8.21	Gans N, 2007, M&SOM-MANUF SERV OP (9), 33	17.39	160.64
	INTEGER PROGRAMMING	4.35	9.21	SCH MANAGEMENT	4.35	7.60	Shumsky RA, 2004, OR SPECTRUM (26), 307	17.39	146.91
	ASSIGNMENT PROBLEM	4.35	12.63	UNIV SAN FRANCISCO	4.35	60.23	Chevalier P, 2008, PROD OPER MANAG (17), 306	17.39	148.30
	Subject	f(%)	σ	Country	f(%)	σ	Green LV, 2001, OPER RES (49), 549	15.22	123.45
	Operations Research & Management Science	100.00	0.00	Usa	60.87	31.81	Whitt W, 2004, MANAGE SCI (50), 1449	15.22	129.14
	Management	50.00	-2.23	Netherlands	8.70	23.25	Armony M, 2004, OPER RES (52), 271	15.22	122.79
	Engineering, Manufacturing	50.00	2.23	Turkey	6.52	30.04	Bhulai S, 2003, IEEE T AUTOMAT CONTR (48), 1434	15.22	145.08
				Canada	4.35	7.07	Jordan WC, 1995, MANAGE SCI (41), 577	15.22	72.83
				Germany	4.35	17.66	RefJournal	f(%)	σ
				England	2.17	4.86	Manufacturing & Service Operations Management	78.26	77.52
				Singapore	2.17	6.59	MANAGE SCI	69.57	36.90
				Denmark	2.17	24.56	OPER RES	65.22	48.52
				Chile	2.17	24.56	PROD OPER MANAG	47.83	32.38
				Belgium	2.17	12.77	QUEUEING SYST	34.78	103.88
	Journal	f(%)	σ	Author	f(%)	σ	M&SOM-MANUF SERV OP	34.78	37.78
	PROD OPER MANAG	50.00	2.23	Whitt W	15.22	15.20	J AM STAT ASSOC	30.43	73.86
	M&SOM-MANUF SERV OP	47.83	7.03	Mehrotra V	10.87	12.14	INTERFACES	28.26	34.18
	J OPER MANAG	2.17	-6.86	Koole G	6.52	18.91	ANN APPL PROBAB	26.09	98.34
				Zhou YP	6.52	13.58	OR SPECTRUM	19.57	64.72
				Stolletz R	6.52	17.92			
				Green LV	4.35	5.42			
				Nair SK	4.35	4.45			
				Pot A	4.35	17.67			
				Peter JKE	4.35	7.56			
				Ozlu O	4.35	13.01			

Table 9: The community 7 - “SUPPLY CHAIN MANAGEMENT” contains $N = 2$ articles. Its average internal link weight is $\langle \omega_{in} \rangle \simeq 1/1$

Keyword	f(%)	σ
SUPPLY CHAIN MANAGEMENT	13.33	0.34
OPERATIONS MANAGEMENT	13.33	3.85
DEMAND UNCERTAINTY	13.33	11.81
COORDINATION	10.00	7.01
CONTRACTING	10.00	11.17
SUPPLY CHAIN DISRUPTIONS	10.00	14.12
EFFICIENCY	6.67	6.38
ENTERPRISE NETWORKS	6.67	6.64
STOCHASTIC PROGRAMMING	6.67	7.51
ADVERSE SELECTION	6.67	10.59
ENTERPRISE TRANSFORMATION	6.67	6.64
OPERATIONAL RISKS	6.67	13.41
INTERDISCIPLINARY	6.67	2.70
ORGANIZATIONAL BEHAVIOR	6.67	3.44
NETWORK-CENTRIC ENTERPRISE	6.67	6.64
RESEARCH OPPORTUNITIES IN SUPPLY CHAIN MANAGEMENT	6.67	8.75
SUPPLY CHAIN MANAGEMENT RESEARCH	6.67	8.75
LITERATURE REVIEW	6.67	2.55
INFORMATION TECHNOLOGY	6.67	2.10
CONSUMER ELECTRONICS	6.67	12.22
Subject	f(%)	σ
Operations Research & Management Science	100.00	0.00
Engineering, Manufacturing	80.00	5.26
Management	20.00	-5.26
Journal	f(%)	σ
PROD OPER MANAG	80.00	5.26
M&SOM-MANUF SERV OP	10.00	-0.49
J OPER MANAG	10.00	-4.68

Institution	f(%)	σ
GEORGIA INST TECHNOL	10.00	20.13
COLL MANAGEMENT	10.00	20.83
COLL BUSINESS ADM	10.00	17.54
UNIV PENN	6.67	17.48
CALIF STATE UNIV LONG BEACH	6.67	74.60
KOWLOON	6.67	17.73
INSEAD	6.67	16.17
WHARTON SCH	6.67	17.73
SCH MANAGEMENT	6.67	9.52
DEPT FINANCE & MANAGEMENT SCI	3.33	37.29
COLL BUSINESS & BEHAV SCI	3.33	13.55
SHATIN	3.33	10.46
CHINESE UNIV HONG KONG	3.33	10.06
TIDE PROGRAM	3.33	52.75
WASHINGTON UNIV	3.33	10.25
NYU	3.33	10.46
COLL ENGN	3.33	23.56
GRAD SCH MANAGEMENT	3.33	14.57
UNIV CALIF RIVERSIDE	3.33	23.56
CTR EBUSINESS INNOVAT	3.33	52.75
Country	f(%)	σ
Usa	60.00	25.31
England	10.00	18.64
Peoples r china	10.00	14.57
France	6.67	14.95
South korea	6.67	22.41
Canada	3.33	4.32
Israel	3.33	15.17
Australia	3.33	12.02
Author	f(%)	σ
Sethi SP	10.00	6.11
Gan XH	10.00	16.52
Pilkington A	6.67	7.07
Kekre S	6.67	5.98
Feng Q	6.67	6.40
Chambers C	6.67	5.71
Singhal VR	6.67	5.14
Hendricks KB	6.67	5.57
Buhman C	6.67	6.68
Ulku S	6.67	6.88

Reference	f(%)	σ
Gan XH, 2005, PROD OPER MANAG (14), 80	86.67	369.04
Gan XH, 2004, PROD OPER MANAG (13), 135	80.00	360.19
Martinez-de-albeniz V, 2005, PROD OPER MANAG (14), 90	50.00	224.64
Fisher M, 1997, Production and Operations Management (6), 0	46.67	188.72
Kleindorfer PR, 2005, PROD OPER MANAG (14), 53	40.00	116.04
Cachon GP, 2005, MANAGE SCI (51), 30	33.33	131.42
Sodhi MS, 2005, PROD OPER MANAG (14), 69	33.33	165.61
Pasternack b A, 1985, MARKET SCI (4), 166	33.33	140.43
Hendricks KB, 2005, PROD OPER MANAG (14), 35	33.33	90.27
Gerchak Y, 2004, PROD OPER MANAG (13), 23	30.00	141.12
Tsay AA, 2004, PROD OPER MANAG (13), 93	26.67	123.93
Kraiselburd S, 2004, PROD OPER MANAG (13), 46	26.67	166.83
Boyaci T, 2004, PROD OPER MANAG (13), 3	26.67	148.88
Lee HL, 1997, MANAGE SCI (43), 546	26.67	55.76
Huchzermeier A, 1996, OPER RES (44), 100	23.33	106.76
Fine CH, 2000, PROD OPER MANAG (9), 213	23.33	74.80
Jeuland a P, 1983, MARKET SCI (2), 239	23.33	95.51
Kleindorfer PR, 2003, MANAGE SCI (49), 1597	23.33	120.72
Tsay AA, 1999, MANAGE SCI (45), 1339	23.33	122.72
Cachon GP, 2000, MANAGE SCI (46), 1032	23.33	62.02
Lederer PJ, 2005, PROD OPER MANAG (14), 21	20.00	113.62
Myerson RB, 1979, ECONOMETRICA (47), 61	20.00	179.27
Souza GC, 2004, PROD OPER MANAG (13), 34	20.00	114.56
Shin HJ, 2004, PROD OPER MANAG (13), 63	20.00	134.41
Cachon GP, 2001, MANAGE SCI (47), 629	20.00	94.80
RefJournal	f(%)	σ
PROD OPER MANAG	66.67	36.66
MANAGE SCI	63.33	27.07
OPER RES	40.00	23.84
Manufacturing & Service Operations Management	33.33	26.45
MARKET SCI	30.00	26.79
EUR J OPER RES	30.00	19.84
HDB OPERATIONS RES M	23.33	41.16
PRODUCTION OPERATION	23.33	23.15
HARVARD BUS REV	23.33	13.93
Production and Operations Management	23.33	29.18

Table 10: The community 9 - “CASE STUDY” contains $N = 2$ articles. Its average internal link weight is $\langle \omega_{in} \rangle \simeq 1/2$

Keyword	f(%)	σ
CASE STUDY	14.29	8.84
CASE STUDIES	12.50	7.89
SUPPLY CHAIN MANAGEMENT	7.14	-1.00
CASE STUDY RESEARCH	7.14	5.29
SUPPLY CHAIN	7.14	2.37
CASE/FIELD STUDY	7.14	7.94
QUALITY MANAGEMENT	5.36	0.33
LOGISTICS/DISTRIBUTION	5.36	4.52
FORECASTING	5.36	5.64
MANUFACTURING PERFORMANCE	5.36	4.62
MANUFACTURING STRATEGY	5.36	1.95
MARKETING-OPERATIONS		
INTERFACE	5.36	5.91
ORGANIZATIONAL-SLACK	3.57	9.18
UNCERTAINTY	3.57	1.60
PLANT MANAGERS	3.57	8.65
STRATEGIC SUPPLY NETWORKS	3.57	6.86
VARIABILITY	3.57	7.95
SUPPLY CHAIN MANAGEMENT (SCM)	3.57	7.51
OPERATING TRADE-OFFS	3.57	7.95
QUALITATIVE RESEARCH	3.57	3.84
Subject	f(%)	σ
Operations Research & Management Science	100.00	0.00
Management	87.93	3.57
Engineering, Manufacturing	12.07	-3.58
Journal	f(%)	σ
J OPER MANAG	86.21	5.12
PROD OPER MANAG	12.07	-3.58
M&SOM-MANUF SERV OP	1.72	-2.55

Institution	f(%)	σ
DEPT MANAGEMENT	19.30	34.56
ARIZONA STATE UNIV	12.28	35.95
DEPT SUPPLY CHAIN MANAGEMENT	8.77	28.69
UNIV MINNESOTA	7.02	17.00
WP CAREY SCH BUSINESS	7.02	24.68
COLL BUSINESS	5.26	11.11
HELSINKI UNIV TECHNOL	5.26	43.34
LONDON BUSINESS SCH	3.51	16.59
UNIV VICTORIA	3.51	31.19
DEPT MANAGEMENT & MKT	3.51	21.14
FAC BUSINESS	3.51	17.45
VICTORIA	3.51	31.19
GRAD SCH BUSINESS	3.51	10.23
ZARAGOZA LOGIST CTR	3.51	31.19
TEXAS CHRISTIAN UNIV	3.51	19.67
UNIV TENNESSEE	3.51	25.44
KENAN FLAGLER BUSINESS SCH	3.51	10.76
RENSSELAER POLYTECH INST	3.51	18.46
CLEMSON UNIV	3.51	13.84
NEELEY SCH BUSINESS	3.51	28.87
Country	f(%)	σ
Usa	52.63	30.49
Spain	8.77	32.68
Canada	7.02	12.89
England	7.02	17.96
Finland	5.26	43.34
Netherlands	5.26	15.59
Australia	3.51	17.45
Italy	1.75	10.52
Portugal	1.75	11.46
South africa	1.75	38.26
Author	f(%)	σ
Browning TR	6.90	6.22
Roth AV	6.90	2.11
Schroeder RG	5.17	1.76
Menor LJ	3.45	2.11
Wilhelm MM	3.45	6.77
Quinn AM	3.45	8.54
Markland RE	3.45	9.36
Duchon D	3.45	8.54
Sawhney R	3.45	4.82
Klassen RD	3.45	2.04

Reference	f(%)	σ
Meredith J, 1998, J OPER MANAG (16), 441	87.93	323.18
Eisenhardt KM, 1989, ACAD MANAGE REV (14), 532	67.24	175.04
Stuart I, 2002, J OPER MANAG (20), 419	46.55	238.90
Glaser BARNEY, 1967, DISCOVERY GROUNDED T (0), 0	27.59	109.21
Voss C, 2002, INT J OPER PROD MAN (22), 195	25.86	136.32
Mccutcheon d M, 1993, Journal of Operations Management (11), 0	22.41	106.82
Eisenhardt KM, 2007, ACAD MANAGE J (50), 25	20.69	123.55
Handfield RB, 1998, J OPER MANAG (16), 321	20.69	102.04
Jick TD, 1979, ADMIN SCI QUART (24), 602	18.97	99.05
Yin RK, 1989, CASE STUDY RES DESIG (0), 0	18.97	126.43
Schmenner RW, 1998, J OPER MANAG (17), 97	17.24	52.00
Yin R, 2003, CASE STUDY RES DESIG (5), 0	17.24	93.06
Swamidass PM, 1991, ACAD MANAGE REV (16), 793	15.52	70.15
Flynn B B, 1990, J OPERATIONS MANAGEM (9), 250	15.52	42.04
Miles MB, 1994, QUALITATIVE DATA ANA (0), 0	13.79	64.42
Huberman a M, 1984, QUALITATIVE DATA ANA (0), 0	13.79	95.65
Miller JG, 1994, MANAGE SCI (40), 285	13.79	32.44
Donaldson L, 2001, CONTINGENCY THEORY O (0), 0	12.07	63.28
Williamson O, 1985, EC I CAPITALISM (0), 0	12.07	38.97
Wu ZH, 2005, J OPER MANAG (24), 27	12.07	64.38
Hayes RH, 1984, RESTORING OUR COMPET (0), 0	12.07	30.19
Closs DJ, 2008, J OPER MANAG (26), 590	10.34	73.63
Gupta S, 2006, PROD OPER MANAG (15), 432	10.34	60.94
Clark k B, 1991, PRODUCT DEV PERFORMA (0), 0	10.34	31.37
Yin r K, 1994, CASE STUDY RES DESIG (0), 0	10.34	46.33
RefJournal	f(%)	σ
J OPER MANAG	82.76	67.88
ACAD MANAGE REV	75.86	74.48
MANAGE SCI	58.62	34.76
HARVARD BUS REV	53.45	45.24
INT J OPER PROD MAN	51.72	58.67
DECISION SCI	50.00	46.56
J OPERATIONS MANAGEM	46.55	49.42
PROD OPER MANAG	46.55	35.37
ADMIN SCI QUART	46.55	54.33
ACAD MANAGE J	43.10	44.71

Table 11: The community 10 - “DYNAMIC PRICING” contains $N = 2$ articles. Its average internal link weight is $< \omega_{in} > \simeq 1/1$

Keyword	f(%)	σ
DYNAMIC PRICING	43.33	25.21
STRATEGIC CONSUMERS	20.00	32.67
REVENUE MANAGEMENT	20.00	8.39
PRICING	16.67	5.15
CUSTOMER BEHAVIOR	16.67	13.54
PRICING AND REVENUE		
MANAGEMENT	10.00	11.63
RETAILING	10.00	7.28
STRATEGIC CONSUMER BEHAVIOR	10.00	18.28
CONSUMER BEHAVIOR	10.00	12.72
MULTINOMIAL LOGIT MODEL	10.00	13.05
STRATEGIC CUSTOMER BEHAVIOR	10.00	18.15
UNCERTAINTY	6.67	2.72
CHANNELS OF DISTRIBUTION	6.67	8.41
SUPPLY CHAIN MANAGEMENT	6.67	-0.81
SUPPLY CHAINS	6.67	5.35
PRICE GUARANTEE	6.67	14.43
PRICE DISCRIMINATION	6.67	10.06
WAIT-OR-BUY	6.67	16.92
PREORDER	6.67	14.43
SUPPLY CONTRACTS	6.67	5.02
Subject	f(%)	σ
Operations Research & Management Science	100.00	0.00
Management	63.33	-0.27
Engineering, Manufacturing	36.67	0.26
Journal	f(%)	σ
M&SOM-MANUF SERV OP	63.33	8.20
PROD OPER MANAG	36.67	0.26

Institution	f(%)	σ
WASHINGTON UNIV	10.00	30.95
UNIV N CAROLINA	10.00	19.49
UNIV CALIF BERKELEY	10.00	30.37
KENAN FLAGLER BUSINESS SCH	6.67	14.95
ARIZONA STATE UNIV	6.67	14.09
WP CAREY SCH BUSINESS	6.67	17.01
JOHN M OLIN SCH BUSINESS	6.67	29.20
MCGILL UNIV	6.67	23.52
UNIV MICHIGAN	6.67	15.79
SCH BUSINESS	6.67	10.83
HONG KONG UNIV SCI & TECHNOL	6.67	27.18
KOWLOON	6.67	17.73
DESAUTELS FAC MANAGEMENT	6.67	27.18
HAAS SCH BUSINESS	6.67	31.76
MONTREAL	6.67	21.02
TORONTO	3.33	12.36
UNIV CONNECTICUT	3.33	17.53
UNIV MINNESOTA	3.33	5.77
DARDEN SCH BUSINESS	3.33	17.53
KINGSTON	3.33	26.35
Country	f(%)	σ
Usa	50.00	20.98
Canada	13.33	17.96
Peoples r china	13.33	19.49
Author	f(%)	σ
Su XM	13.33	10.97
Tian ZJ	6.67	17.74
Parlakturk AK	6.67	13.49
Levin Y	6.67	21.02
Chiang WYK	6.67	14.23
Lai GM	6.67	12.65
Nediak M	6.67	21.02
Elmaghraby W	6.67	9.48
Mcgill J	6.67	21.02
Van Ryzin G	6.67	9.20

Reference	f(%)	σ
Su XM, 2007, MANAGE SCI (53), 726	93.33	448.50
Aviv Y, 2008, M&SOM-MANUF SERV OP (10), 339	90.00	522.63
Elmaghraby W, 2008, M&SOM-MANUF SERV OP (10), 126	90.00	539.31
Liu Q, 2008, MANAGE SCI (54), 1115	66.67	411.13
Besanko D, 1990, MANAGE SCI (36), 555	56.67	333.88
Cachon GP, 2009, MANAGE SCI (55), 497	46.67	302.89
Gallego G, 1994, MANAGE SCI (40), 999	43.33	195.97
Xie JH, 2001, MARKET SCI (20), 219	40.00	217.47
Elmaghraby W, 2003, MANAGE SCI (49), 1287	36.67	171.27
Su XM, 2008, MANAGE SCI (54), 1759	33.33	258.24
Talluri KT, 2004, THEORY PRACTICE REVE (0), 0	33.33	125.12
Shen ZJM, 2007, PROD OPER MANAG (16), 713	33.33	195.36
Stokey NL, 1979, Q J ECON (93), 355	30.00	207.37
Levin Y, 2009, MANAGE SCI (55), 32	26.67	226.17
Popescu I, 2007, OPER RES (55), 413	26.67	205.96
Zhang D, 2008, PROD OPER MANAG (17), 416	26.67	240.98
Gallego G, 2008, PROD OPER MANAG (17), 402	26.67	282.95
Bitran G, 2003, Manufacturing & Service Operations Management (5), 0	26.67	138.53
Su XM, 2008, M&SOM-MANUF SERV OP (10), 566	23.33	168.07
Lai GM, 2010, M&SOM-MANUF SERV OP (12), 33	20.00	215.90
Dana JD, 1998, J POLIT ECON (106), 395	20.00	119.70
Yin R, 2009, MANAGE SCI (55), 1391	20.00	200.13
Conlisk J, 1984, Q J ECON (99), 489	20.00	183.77
Caldentey R, 2007, MANAGE SCI (53), 795	16.67	158.61
Nair H, 2007, QME-QUANT MARK ECON (5), 239	16.67	207.14
RefJournal	f(%)	σ
MANAGE SCI	60.00	25.61
M&SOM-MANUF SERV OP	60.00	52.88
OPER RES	50.00	29.92
MARKET SCI	43.33	38.84
Q J ECON	40.00	56.48
PROD OPER MANAG	36.67	19.92
Manufacturing & Service Operations Management	30.00	23.77
AM ECON REV	26.67	27.41
THEORY PRACTICE REVE	23.33	52.67
RAND J ECON	23.33	30.59

Table 12: The community 11 - “RFID” contains $N = 2$ articles. Its average internal link weight is $\langle \omega_{in} \rangle \simeq 1/1$

Keyword	f(%)	σ
RFID	43.33	28.40
SUPPLY UNCERTAINTY	13.33	16.48
INCENTIVES	10.00	9.01
RADIO FREQUENCY IDENTIFICATION (RFID)	10.00	18.95
INFORMATION TECHNOLOGY	10.00	3.51
INVENTORY	10.00	4.07
SUPPLY CHAIN COORDINATION	10.00	6.05
INVENTORY CONTROL	10.00	6.49
CUSTOMER SATISFACTION	6.67	2.55
VALUE OF INFORMATION	6.67	6.00
TRACEABILITY SYSTEM	6.67	19.40
CRITICAL SUCCESS FACTORS	6.67	19.40
LEARNING AND KNOWLEDGE MANAGEMENT	6.67	11.72
STOCHASTIC LEAD TIMES	6.67	17.90
TECHNOLOGY AS AUTOMATION VERSUS LABOR ENHANCING	6.67	11.72
SUPPLY CHAIN DISRUPTIONS	6.67	9.34
ENABLERS AND BARRIERS	6.67	13.19
OPEN SOURCE SOFTWARE DEVELOPMENT	6.67	11.72
DUAL SOURCING	6.67	7.36
IMPLEMENTATION	6.67	5.27
Subject	f(%)	σ
Operations Research & Management Science	100.00	0.00
Engineering, Manufacturing	86.67	6.03
Management	13.33	-6.03
Journal	f(%)	σ
PROD OPER MANAG	86.67	6.03
M&SOM-MANUF SERV OP	10.00	-0.49
J OPER MANAG	3.33	-5.41

Institution	f(%)	σ
KENAN FLAGLER BUSINESS SCH	13.33	30.03
UNIV N CAROLINA	13.33	26.04
STANFORD UNIV	10.00	26.28
WASHINGTON UNIV	6.67	20.60
GRAD SCH BUSINESS	6.67	14.23
ROTTERDAM SCH MANAGEMENT	6.67	35.12
TEXAS A&M UNIV	6.67	19.85
ERASMUS UNIV	6.67	28.14
UNIV MARYLAND	6.67	16.78
COLL BUSINESS & MANAGEMENT	3.33	26.35
GEORGIA INST TECHNOL	3.33	6.61
INDIANA UNIV	3.33	7.26
MCDONOUGH SCH BUSINESS	3.33	14.57
UNIV SO INDIANA	3.33	52.75
SUPPLY CHAIN MANAGEMENT DEPT	3.33	30.43
ROBINS SCH BUSINESS	3.33	23.56
COLL MANAGEMENT	3.33	6.85
CRANFIELD UNIV	3.33	52.75
DEPT MANAGEMENT	3.33	4.14
DEPT LOGIST	3.33	17.53
Country	f(%)	σ
Usa	56.67	23.87
Peoples r china	10.00	14.57
Netherlands	6.67	14.36
England	6.67	12.37
France	3.33	7.41
Author	f(%)	σ
Lee HL	10.00	14.08
So KC	6.67	16.79
Gaimon C	6.67	5.84
Choi T	6.67	8.01
Dutta A	6.67	19.85
Gaukler GM	6.67	12.95
Hausman WH	6.67	6.17
Barratt M	6.67	5.15
Whang SJ	6.67	13.26
Liu SX	6.67	19.85

Reference	f(%)	σ
Lee H, 2007, PROD OPER MANAG (16), 40	93.33	461.24
Gaukler GM, 2007, PROD OPER MANAG (16), 65	73.33	434.37
Raman A, 2001, CALIF MANAGE REV (43), 136	26.67	148.77
Dehoratius N, 2008, MANAGE SCI (54), 627	23.33	127.69
Delen D, 2007, PROD OPER MANAG (16), 613	23.33	163.85
Heese HS, 2007, PROD OPER MANAG (16), 542	23.33	155.08
Kang Y, 2005, IIE TRANS (37), 843	23.33	193.41
Dutta A, 2007, PROD OPER MANAG (16), 646	20.00	134.26
Whitaker J, 2007, PROD OPER MANAG (16), 599	20.00	122.49
Fleisch E, 2005, INT J PROD ECON (95), 373	16.67	156.83
Ngai EWT, 2007, PROD OPER MANAG (16), 554	16.67	106.91
Kok AG, 2007, M&SOM-MANUF SERV OP (9), 185	16.67	189.58
Song JS, 1994, MANAGE SCI (40), 603	16.67	127.38
Kouvelis P, 2006, PROD OPER MANAG (15), 449	13.33	45.64
Zipkin P, 1986, NAV RES LOG (33), 763	13.33	136.53
Elmaghraby W, 2007, PROD OPER MANAG (16), 409	13.33	68.00
Song JS, 1996, MANAGE SCI (42), 1409	13.33	119.98
Moinzadeh K, 1991, OPER RES (39), 308	13.33	132.09
Heim GR, 2002, PROD OPER MANAG (11), 54	13.33	53.58
Smith a D, 2005, Information Management & Computer Security (13), 0	13.33	207.85
Yano CA, 1995, OPER RES (43), 311	13.33	61.47
Dutta A, 2007, PROD OPER MANAG (16), 523	13.33	171.10
Kaplan RS, 1970, MANAGE SCI (16), 491	13.33	124.36
Prater E, 2005, SUPPLY CHAIN MANAG (10), 134	13.33	120.48
Barney J, 1991, J MANAGE (17), 99	13.33	20.72
RefJournal	f(%)	σ
PROD OPER MANAG	66.67	36.66
MANAGE SCI	60.00	25.61
IIE TRANS	36.67	31.83
OPER RES	36.67	21.81
CALIF MANAGE REV	36.67	32.44
INT J PROD ECON	26.67	22.91
EUR J OPER RES	20.00	13.08
NAV RES LOG	20.00	21.10
HARVARD BUS REV	20.00	11.87
M&SOM-MANUF SERV OP	20.00	17.40

Table 13: The community 12 - “SERVICE OPERATIONS” contains $N = 2$ articles. Its average internal link weight is $\langle \omega_{in} \rangle \simeq 1/2$

Keyword	f(%)	σ	Institution	f(%)	σ
SERVICE OPERATIONS	30.16	8.85	CLEMSON UNIV	14.29	59.69
E-SERVICES	14.29	12.34	ARIZONA STATE UNIV	11.11	34.18
SERVICE OPERATIONS MANAGEMENT	11.11	8.55	DEPT MANAGEMENT	11.11	20.78
E-COMMERCE	11.11	8.50	COLL BUSINESS & BEHAV SCI	11.11	65.71
EMPIRICAL RESEARCH	9.52	0.32	SCH MANAGEMENT	11.11	23.18
CUSTOMER SATISFACTION	7.94	4.58	WP CAREY SCH BUSINESS	11.11	41.19
SERVICE OPERATIONS STRATEGY	7.94	10.34	SCH BUSINESS	7.94	18.73
SUPPLY CHAIN MANAGEMENT	6.35	-1.26	MICHIGAN STATE UNIV	7.94	19.16
QUALITY MANAGEMENT	6.35	0.73	UNIV MINNESOTA	7.94	20.25
NEW SERVICE DEVELOPMENT	6.35	7.69	COLL BUSINESS	7.94	17.76
OPERATIONS STRATEGY	6.35	0.08	UNIV N CAROLINA	6.35	17.85
SERVICE DESIGN	6.35	7.03	DEPT SUPPLY CHAIN MANAGEMENT	6.35	21.78
LOGISTICS/DISTRIBUTION	4.76	4.20	KENAN FLAGLER BUSINESS SCH	6.35	20.62
MIS/OPERATIONS INTERFACE	4.76	6.42	CARLSON SCH MANAGEMENT	6.35	20.62
OUTSOURCING	4.76	0.95	LONDON BUSINESS SCH	4.76	23.71
TECHNOLOGY MANAGEMENT	4.76	2.20	UNIV WESTERN ONTARIO	4.76	20.88
SERVICE DELIVERY SYSTEM	4.76	7.47	BOSTON COLL	4.76	29.09
SERVICE RECOVERY	4.76	4.89	FISHER COLL BUSINESS	4.76	16.48
TRANSACTION COSTS	3.17	4.79	POSTGRAD SCH	4.76	38.55
OPERATIONS MANAGEMENT	3.17	0.37	OHIO STATE UNIV	4.76	15.58
Subject	f(%)	σ	Country	f(%)	σ
Operations Research & Management Science	100.00	0.00	Usa	77.78	47.85
Management	52.38	-2.22	Canada	7.94	15.36
Engineering, Manufacturing	47.62	2.21	England	6.35	17.06
			Australia	4.76	24.94
			South korea	3.17	15.40
			Peoples r china	3.17	6.50
			Portugal	1.59	10.89
			Singapore	1.59	5.58
			India	1.59	8.23
			Switzerland	1.59	9.63
Journal	f(%)	σ	Author	f(%)	σ
PROD OPER MANAG	47.62	2.21	Roth AV	20.63	9.14
J OPER MANAG	42.86	-1.56	Rabinovich E	15.87	11.84
M&SOM-MANUF SERV OP	9.52	-0.82	Menor LJ	6.35	4.68
			Karwan KR	6.35	11.87
			Laseter TM	6.35	11.82
			Tsikriktsis N	4.76	6.75
			Heim GR	4.76	5.98
			Field JM	4.76	6.95
			Sinha KK	4.76	5.80
			Markland RE	4.76	13.55

Reference	f(%)	σ
Roth AV, 2003, PROD OPER MANAG (12), 145	84.13	297.71
Boyer KK, 2002, J OPER MANAG (20), 175	50.79	235.59
Roth AV, 1995, MANAGE SCI (41), 1720	28.57	105.11
Kellogg DL, 1995, MANAGE SCI (41), 1734	26.98	123.45
Froehle CA, 2004, J OPER MANAG (22), 1	22.22	112.29
Zeithaml VA, 2002, J ACAD MARKET SCI (30), 362	19.05	123.51
Rabinovich E, 2004, J OPER MANAG (21), 651	17.46	123.98
Goldstein SM, 2002, J OPER MANAG (20), 121	17.46	108.96
Chase RB, 1981, OPER RES (29), 698	17.46	76.59
Hill AV, 2002, J OPER MANAG (20), 189	17.46	103.85
Barney J, 1991, J MANAGE (17), 99	15.87	35.80
Armstrong JS, 1977, J MARKETING RES (14), 396	15.87	35.43
Chase RB, 1983, MANAGE SCI (29), 1037	15.87	72.71
Soteriou AC, 1998, J OPER MANAG (16), 495	15.87	107.27
Stewart DM, 2003, PROD OPER MANAG (12), 246	15.87	103.86
Schmenner RW, 1986, SLOAN MANAGE REV (27), 21	15.87	77.96
Chase RB, 1978, HARVARD BUS REV (56), 137	15.87	79.66
Heskett J, 1997, SERVICE PROFIT CHAIN (0), 0	15.87	70.28
Thirumalai S, 2005, J OPER MANAG (23), 291	14.29	96.11
Cook LS, 2002, J OPER MANAG (20), 159	14.29	86.96
Moore GC, 1991, INFORMATION SYSTEMS (2), 192	14.29	61.52
Wolfenbarger M, 2003, J RETAILING (79), 183	14.29	115.46
Chen PY, 2002, INFORM SYST RES (13), 255	14.29	107.51
Menor LJ, 1998, MANUFACTURING SERVIC (3), 273	14.29	73.46
Fornell C, 1981, J MARKETING RES (18), 39	14.29	26.99

RefJournal	f(%)	σ
MANAGE SCI	74.60	46.38
PROD OPER MANAG	74.60	59.55
J OPER MANAG	74.60	63.70
HARVARD BUS REV	61.90	54.72
J MARKETING	55.56	64.67
DECISION SCI	49.21	47.75
J MARKETING RES	49.21	54.80
ACAD MANAGE REV	41.27	41.95
STRATEGIC MANAGE J	39.68	40.99
J SERV RES-US	39.68	94.73

Table 14: The community 13 - “OPERATIONS MANAGEMENT RESEARCH” contains $N = 2$ articles. Its average internal link weight is $< \omega_{in} > \simeq 1/1$

Keyword	f(%)	σ	Institution	f(%)	σ
OPERATIONS MANAGEMENT RESEARCH	20.00	58.93	DEPT MANAGEMENT	20.83	24.23
EMPIRICAL RESEARCH	20.00	1.87	ARIZONA STATE UNIV	12.50	23.75
RESEARCH METHODS	20.00	22.05	LONDON	8.33	22.62
SURVEY RESEARCH	15.00	5.72	COLL BUSINESS	8.33	11.52
THEORY BUILDING	15.00	9.17	WAKE FOREST UNIV	8.33	34.00
INDUSTRIALIZATION	10.00	4.89	COLL BUSINESS & ECON	8.33	30.40
CITATION ANALYSIS	10.00	7.04	UNIV WESTERN ONTARIO	8.33	22.62
SOM RESEARCH	10.00	19.51	DEPT SUPPLY CHAIN MANAGEMENT	8.33	17.68
INTERNATIONAL OPERATIONS	10.00	4.78	COLL BUSINESS ADM	8.33	13.05
FRAMEWORK	10.00	4.45	UNIV PADUA	4.17	34.03
TESTING	10.00	13.34	COLL BUSINESS & PUBL AFFAIRS	4.17	41.69
LITERATURE REVIEW	10.00	3.38	SUPPLY CHAIN MANAGEMENT DEPT	4.17	34.03
INDUCTIVE	10.00	13.34	N CAROLINA STATE UNIV	4.17	13.46
QUALITATIVE	10.00	13.34	COLL MANAGEMENT	4.17	7.69
DEDUCTIVE	10.00	13.34	GIDEAO	4.17	58.98
THEORY	10.00	5.81	CORNELL UNIV	4.17	10.68
CLASSIFICATION	10.00	4.50	DEPARTIMENTO TECH & GEST		
SOM CONTENT	10.00	19.51	SISTEMI IND	4.17	58.98
METHODOLOGY	10.00	12.78	UNIV SEVILLE	4.17	41.69
OPERATIONS MANAGEMENT	10.00	2.18	FLORIDA ATLANTIC UNIV	4.17	24.04
			UNIV NOTRE DAME	4.17	11.49
Subject	f(%)	σ	Country	f(%)	σ
Operations Research & Management Science	100.00	0.00	Usa	45.83	17.15
Management	95.83	3.11	Canada	8.33	9.97
Engineering, Manufacturing	4.17	-3.12	England	8.33	13.87
			Italy	4.17	16.30
			Spain	4.17	10.02
Journal	f(%)	σ	Author	f(%)	σ
J OPER MANAG	95.83	4.24	Choi TY	16.67	7.16
PROD OPER MANAG	4.17	-3.12	Machuca JAD	8.33	10.05
			Gonzalez-Zamora MD	8.33	17.69
			Forza C	8.33	6.74
			Hollingworth DG	8.33	9.10
			Wu ZH	8.33	7.33
			Ash RC	8.33	39.29
			Barratt M	8.33	5.84
			Smunt TL	8.33	15.11
			Krajewski L	8.33	10.33
Reference	f(%)	σ			
Buffa e S, 1980, J OPERATIONS MANAGEM (1), 1	95.83	322.46			
Chase RB, 1980, J OPERATIONS MANAGEM (1), 9	87.50	331.75			
Amoako-gyampah K, 1989, J OPERATIONS MANAGEM (8), 250	58.33	224.20			
Miller JG, 1981, DECISION SCI (12), 547	58.33	236.34			
Meredith j R, 1989, J OPERATIONS MANAGEM (8), 297	54.17	174.18			
Barman S, 1991, J OPERATIONS MANAGEM (10), 194	50.00	199.01			
Scudder g D, 1998, Journal of Operations Management (16), 0	41.67	131.15			
Swamidass PM, 1991, ACAD MANAGE REV (16), 793	41.67	121.31			
Vokurka RJ, 1996, J OPERATIONS MANAGEM (14), 345	33.33	177.20			
Mabert VA, 1982, J OPERATIONS MANAGEM (2), 203	33.33	143.48			
Barman S, 2001, J OPER MANAG (19), 367	33.33	182.97			
Malhotra MK, 1998, J OPER MANAG (16), 407	33.33	71.46			
Pannirselvam GP, 1999, J OPER MANAG (18), 95	33.33	122.74			
Goh C-H, 1997, J OPERATIONS MANAGEM (15), 123	29.17	175.74			
Eisenhardt KM, 1989, ACAD MANAGE REV (14), 532	25.00	41.77			
Neely A, 1993, International Journal of Operations & Production Management (13), 0	25.00	108.61			
Flynn B B, 1990, J OPERATIONS MANAGEM (9), 250	25.00	43.65			
Saladin b A, 1985, OPERATIONS MANAGEMEN (3), 3	25.00	111.98			
Young s T, 1996, J OPERATIONS MANAGEM (14), 41	25.00	119.27			
Flynn B B, 1994, Journal of Operations Management (11), 0	20.83	34.05			
Ahire SL, 1996, DECISION SCI (27), 23	20.83	40.05			
Gilbert JP, 1990, INT J PROD RES (28), 1099	16.67	65.84			
Dillman d A, 1978, MAIL TELEPHONE SURVE (0), 0	16.67	34.10			
Wisner JD, 1996, INT J OPER PROD MAN (16), 62	16.67	82.38			
Vandeven AH, 1989, ACAD MANAGE REV (14), 486	16.67	88.65			
RefJournal	f(%)	σ			
J OPERATIONS MANAGEM	58.33	39.92			
J OPER MANAG	50.00	26.20			
DECISION SCI	45.83	27.42			
Journal of Operations Management	41.67	32.80			
ACAD MANAGE REV	37.50	23.49			
INT J OPER PROD MAN	33.33	24.21			
OPERATIONS MANAGEMEN	33.33	48.56			
MANAGE SCI	25.00	9.18			
ACAD MANAGE J	25.00	16.53			
PRODUCTION OPERATION	25.00	22.20			