## 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 f 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(frac1p) is also given.

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Table 1: The community 1 - "QUALITY MANAGEMENT" contains N=16 articles. Its average internal link weight is  $<\omega_{in}>\simeq 1/10$ 

Keyword	f(%)	tf-idf
QUALITY MANAGEMENT	36.44	1.13
EMPIRICAL RESEARCH	22.60	0.56
PERFORMANCE	11.86	0.45
QUALITY	11.02	0.43
TOTAL QUALITY MANAGEMENT	7.63	0.36
TQM	6.21	0.32
CONTINGENCY RESEARCH	4.24	0.25
CONTINGENCY THEORY	5.37	0.24
ISO 9000	4.24	0.24
SIX SIGMA	4.80	0.23
ORGANIZATIONAL PERFORMANCE	3.95	
ELECTRONICS INDUSTRY	3.11	0.19
THEORY DEVELOPMENT	3.67	0.18
META-ANALYSIS	3.39	0.18
BEST PRACTICE	2.82	0.18
INTERDISCIPLINARY	3.95	0.17
EVENT STUDY	3.11	0.17
EMPIRICAL RESEARCH METHODS	4.24	0.17
SUPPLY CHAIN MANAGEMENT	7.34	0.16
MANUFACTURING STRATEGY	3.95	0.16
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	
PROD OPER MANAG	17.91	-6.60
M&SOM-MANUF SERV OP	1.65	-6.42
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Institution	f(%)	$\sigma$
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	44.09
Canada	3.03	13.61
England	3.03	19.26
Peoples r china	3.03	14.86
Spain	1.65	15.23
Portugal	1.38	22.65
Australia	0.83	10.15
South korea	0.83	9.39
Italy	0.55	8.18
Singapore	0.55	4.38
Author	f(%)	$\sigma$
Schroeder RG	13.77	16.23
Linderman K	7.44	11.05
Yeung ACL	6.06	13.15
Sousa R	5.51	17.03
Zhang DL	4.41	16.77
Voss CA	4.13	13.22
Nair A	3.86	7.28
Hartley JL	3.58	9.85
Cheng TCE	3.58	6.35

Reference	f(%)	$\sigma$
Flynn B B, 1994, Journal of Operations Management		
(11), 0	63.64	405.61
Powell TC, 1995, STRATEGIC MANAGE J (16), 15	56.47	385.14
Dow D, 1999, PROD OPER MANAG (8), 1	47.38	395.54
Samson D, 1999, J OPER MANAG (17), 393	46.56	384.70
Flynn BB, 1995, DECISION SCI (26), 659	46.28	353.98
Ahire SL, 1996, DECISION SCI (27), 23	39.94	299.11
Saraph JV, 1989, DECISION SCI (20), 810	35.54	309.28
Choi TY, 1998, J OPER MANAG (17), 59	33.88	334.58
Hendricks KB, 1997, MANAGE SCI (43), 1258	33.61	332.60
Kaynak H, 2003, J OPER MANAG (21), 405	31.96	309.30
Dean JW, 1994, ACAD MANAGE REV (19), 392	30.58	290.73
Benson PG, 1991, MANAGE SCI (37), 1107	29.48	336.83
Anderson JC, 1995, DECISION SCI (26), 637	28.93	296.02
Anderson JC, 1994, ACAD MANAGE REV (19), 472	28.37	252.38
Hackman JR, 1995, ADMIN SCI QUART (40), 309	27.00	248.09
Sitkin SB, 1994, ACAD MANAGE REV (19), 537	26.72	259.65
Hendricks KB, 2001, J OPER MANAG (19), 269	26.17	314.14
Sousa R, 2002, J OPER MANAG (20), 91	25.90	339.75
Sousa R, 2001, PROD OPER MANAG (10), 383	25.07	276.73
Ahire SL, 2000, J OPER MANAG (18), 549	23.69	286.59
Black SA, 1996, DECISION SCI (27), 1	22.87	265.20
Deming WE, 1986, OUT CRISIS (0), 0	22.59	194.43
Easton GS, 1998, J BUS (71), 253	21.21	258.87
Douglas TJ, 2001, ACAD MANAGE J (44), 158	21.21	270.80
Das A, 2000, DECISION SCI (31), 649	20.39	244.85
RefJournal	f(%)	$\sigma$
J OPER MANAG	36.36	73.62
MANAGE SCI	31.68	45.89
DECISION SCI	30.30	69.99
ACAD MANAGE REV	29.20	70.82
Journal of Operations Management	27.00	82.24
STRATEGIC MANAGE J	25.90	63.71
J OPERATIONS MANAGEM	25.62	67.43
HARVARD BUS REV	25.34	52.77
ACAD MANAGE J	25.07	64.47
PROD OPER MANAG	23.14	43.03

Table 2: The community 0 - "LEAN PRODUCTION" contains N=14 articles. Its average internal link weight is  $<\omega_{in}>\simeq 1/16$ 

Keyword	f(%)	tf-idf	Institution	f(%)				
LEAN PRODUCTION	11.61	0.56		( /	σ	Reference	f(%)	σ
BEST PRACTICE	5.80	0.36	DEPT MANAGEMENT	8.41	29.63	Shah R, 2003, J OPER MANAG (21), 129	43.81	318.89
CONTINGENCY THEORY	7.59	0.34	COLL BUSINESS	6.64	28.05	Cua KO, 2001, J OPER MANAG (19), 675	41.15	317.53
PERFORMANCE	8.04	0.31	UNIV MINNESOTA	5.75	27.67	Fornell C, 1981, J MARKETING RES (18), 39	26.11	93.95
PROCESS IMPROVEMENT	4.91	0.25	CARLSON SCH MANAGEMENT	5.31	32.60	Fullerton RR, 2003, J OPER MANAG (21), 383	24.78	262.79
JUST-IN-TIME PRACTICES	3.57	0.24	COLL BUSINESS ADM	5.31	25.34	Sakakibara S, 1993, Production and Operations	210	2020
META-ANALYSIS OF CORRELATIONS	3.57	0.24	MICHIGAN STATE UNIV	3.54	15.92	Management (2), 0	24.34	233.01
CONTINGENCY RESEARCH	4.02	0.24	SCH BUSINESS	3.10	13.54	Sakakibara S, 1997, MANAGE SCI (43), 1246	23.89	194.77
THEORY DEVELOPMENT	4.46	0.22	FISHER COLL BUSINESS	2.65	17.25	Flynn B B, 1994, Journal of Operations Management	20.00	104.11
CONFIRMATORY FACTOR ANALYSIS	3.12	0.22	OHIO STATE UNIV	2.65	16.29	(11), 0	22.12	110.97
EVENT STUDY	4.02	0.22	INDIANA UNIV	2.65	15.79	Shah R, 2007, J OPER MANAG (25), 785	21.24	263.00
EMPIRICAL RESEARCH	8.48	0.21	SCHULICH SCH BUSINESS	2.21	30.23	Womack j P, 1990, MACHINE CHANGED WORL (0), 0	21.24	139.28
COMPLEXITY	4.02	0.20	YORK UNIV	2.21	28.81	Flynn BB, 1995, DECISION SCI (26), 659	21.24 $21.24$	127.98
LEAN MANUFACTURING	3.57	0.20	TEXAS CHRISTIAN UNIV	2.21	24.62	Flynn BB, 1995, ACAD MANAGE J (38), 1325	20.80	160.42
MANUFACTURING STRATEGY	4.91	0.20	CLEMSON UNIV	2.21	17.27	Ketokivi MA, 2004, J OPER MANAG (22), 247	20.35	179.86
EMPIRICAL RESEARCH METHODS	4.91	0.20	DEPT MANAGEMENT SCI	2.21	13.82	Powell TC, 1995, STRATEGIC MANAGE J (16), 15	19.91	106.87
DYNAMISM	3.12	0.19	SCH MANAGEMENT	2.21	8.29	Hopp w J, 2004, Manufacturing & Service	19.91	100.67
LEAN OPERATIONS	3.12	0.19	OPERAT & MANAGEMENT SCI DEPT	2.21	20.74	Operations Management (6), 0	19.47	251.17
LEAN PURCHASING	3.12	0.19	KELLEY SCH BUSINESS	2.21	13.98	Li SH, 2005, J OPER MANAG (23), 618	19.47 $19.47$	231.17 $213.79$
OPERATION AND HUMAN RESOURCE	0.12	0.10	CHINESE UNIV HONG KONG	1.77	14.53	Ahire SL, 1996, DECISION SCI (27), 23	19.47	112.22
MANAGEMENT PRACTICES	2.68	0.18	ROBERT H SMITH SCH BUSINESS	1.77	14.53	White RE, 1999, MANAGE SCI (45), 1	19.03 $19.03$	183.76
			Country	f(%)	σ	Podsakoff PM, 2003, J APPL PSYCHOL (88), 879	19.03 $18.58$	78.47
Subject	f(%)	$\sigma$	Usa	40.71	46.51	Huson M, 1995, Journal of Operations Management	10.00	16.41
Operations Research & Management Science	100.00	0.00	Canada	6.64	24.23	(12), 0	18.58	172.66
Management	89.82	7.65	Peoples r china	3.10	12.00	Dow D, 1999, PROD OPER MANAG (8), 1	18.14	119.28
Engineering, Manufacturing	10.18	-7.66	England	2.65	13.26	Schmenner RW, 1998, J OPER MANAG (8), 1	17.26	119.28 $102.75$
			Spain	1.77	12.89	Mclachlin R, 1997, Journal of Operations	17.20	102.75
			Netherlands	1.77	10.19	Management (15), 0	16.81	175.51
			South korea	1.33	12.05	Narasimhan R, 2006, J OPER MANAG (24), 440	16.81 $16.37$	187.63
			Switzerland	1.33	15.22	Hayes RH, 1984, RESTORING OUR COMPET (0), 0	15.93	78.81
			Italy	0.88	10.48	Anderson JC, 1988, PSYCHOL BULL (103), 411	15.93 $15.93$	67.98
			France	0.88	5.13			
			Author	f(%)	$\sigma$	RefJournal	f(%)	σ
Journal	f(%)	$\sigma$	Shah R	7.96	14.17	J OPER MANAG	47.79	76.78
J OPER MANAG	86.73	10.26	Ward PT	5.75	7.80	MANAGE SCI	42.92	49.73
PROD OPER MANAG	10.18	-7.66	Schroeder RG	5.75 $5.31$	3.63	DECISION SCI	36.73	67.19
M&SOM-MANUF SERV OP	3.10	-4.42	Nair A	$\frac{3.31}{4.87}$	7.58	ACAD MANAGE REV	34.96	67.12
			Patel PC	4.42	5.15	ACAD MANAGE J	34.51	70.44
			Voss CA	$\frac{4.42}{3.98}$	$\frac{5.15}{10.02}$	STRATEGIC MANAGE J	34.51	67.38
			Linderman K	$\frac{3.98}{3.98}$	$\frac{10.02}{3.91}$	HARVARD BUS REV	34.07	56.44
			Sousa R			Journal of Operations Management	32.74	78.90
			Sousa R Swink M	3.98	9.47	PROD OPER MANAG	32.30	47.99
			Swink M Narasimhan R	3.98	$3.15 \\ 2.48$	INT J OPER PROD MAN	32.30	71.95
			narasiiiiian K	3.54	2.48			

Table 3: The community 2 - "SIX SIGMA" contains N=6 articles. Its average internal link weight is  $<\omega_{in}>\simeq 1/6$ 

Keyword	f(%)	tf-idf
SIX SIGMA	26.74	1.27
EVENT STUDY	18.60	1.01
QUALITY MANAGEMENT	25.58	0.80
TOTAL QUALITY MANAGEMENT	11.63	0.55
AWARD	6.98	0.49
OPERATING PERFORMANCE	6.98	0.49
PROCESS INNOVATION	6.98	0.44
PROCESS IMPROVEMENT	8.14	0.42
FIRM PERFORMANCE	6.98	0.37
CORPORATE PERFORMANCE	4.65	0.35
ACTION RESEARCH	4.65	0.34
PROCESS IMPROVEMENT PROJECTS	4.65	0.34
PROJECT CONTEXT	4.65	0.34
CONFIGURATIONS	4.65	0.34
PROJECT SUCCESS	4.65	0.34
STRUCTURED PROBLEM-SOLVING	4.00	0.54
PROCESS	4.65	0.32
QUALITY IMPROVEMENT TEAMS	4.65	0.32
DMAIC	4.65	0.32
CONTINGENCY THEORY	6.98	0.32
HIERARCHICAL LINEAR MODELING	4.65	0.32 $0.31$
		0.51
Subject	f(%)	σ
Operations Research & Management Science	100.00	
Management	85.23	3.87
Engineering, Manufacturing	14.77	-3.87
Journal	f(%)	$\sigma$
J OPER MANAG	82.95	5.69
PROD OPER MANAG	14.77	-3.87
	2.27	-2.99
M&SOM-MANUF SERV OP		

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         16.99           FISHER COLL BUSINESS         3.41         13.89           OHIO STATE UNIV         3.41         13.12           MOORE SCH BUSINESS         3.41         13.41           INDIANA UNIV         3.41         12.71           RENSSELAER POLYTECH INST         3.41         12.71           KOWLOON         3.41         15.43           HONG KONG POLYTECH UNIV         3.41         13.56           ELI BROAD GRAD SCH MANAGEMENT         3.41         13.56           ELI BROAD GRAD SCH MANAGEMENT         3.41         13.72           Country         f(%)         \sigma           Usa         46.59         3.39           England         3.41         15.69           Popples r china         3.41         15.69<			
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         13.29           MOORE SCH BUSINESS         3.41         13.41           INDIANA UNIV         3.41         12.71           RENSSELAER POLYTECH INST         3.41         12.71           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         13.12           Country         f(%)         σ           Usa         46.59         33.39           England         3.41         13.72           Peoples r china         3.41         15.67		f(%)	$\sigma$
MICHIGAN STATE UNIV         6.82         26.19           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         13.41           INDIANA UNIV         3.41         12.71           RENSSELAER POLYTECH INST         3.41         12.29           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         13.52           ELI BROAD GRAD SCH MANAGEMENT         3.41         13.12           Country         f(%)         σ           Usa         46.59         33.39           England         3.41         10.70           Peoples r china         3.41		10.23	30.92
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       120.02         DEPT MANAGEMENT SCI       3.41       13.41         INDIANA UNIV       3.41       12.71         RENSSELAER POLYTECH INST       3.41       12.29         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       13.12         Country       f(%)       σ         Usa       46.59       33.39         England       3.41       10.70         Peoples r china       3.41       15.67         Canada       2.27       4.93         Australia       2.27       4.93         Australia	DEPT MANAGEMENT	7.95	17.47
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           PISHER COLL BUSINESS         3.41         13.89           OHIO STATE UNIV         3.41         13.12           MOORE SCH BUSINESS         3.41         120.02           DEPT MANAGEMENT SCI         3.41         13.41           INDIANA UNIV         3.41         12.71           RENSSELAER POLYTECH INST         3.41         15.43           HONG KONG POLYTECH UNIV         3.41         15.43           HONG KONG POLYTECH UNIV         3.41         13.56           ELI BROAD GRAD SCH MANAGEMENT         3.41         13.12           Country         f(%)         σ           Usa         46.59         33.39           England         3.41         10.70           Peoples r china         3.41         15.67           Canada         2.27         4.93           Australia         2.27         4.93           Australia         2.27         4.93	MICHIGAN STATE UNIV	6.82	19.41
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       12.71         RENSSELAER POLYTECH INST       3.41       12.71         RENSSELAER POLYTECH UNIV       3.41       17.96         OPERAT & MANAGEMENT SCI DEPT       3.41       13.56         ELI BROAD GRAD SCH MANAGEMENT       3.41       13.56         ELI BROAD GRAD SCH MANAGEMENT       3.41       13.12         Country       f(%)       σ         Usa       46.59       33.39         England       3.41       10.70         Peoples r china       3.41       15.67         Canada       2.27       4.93         Australia       2.27       4.93         Australia       2.27       4.93         Italy       1.14       8.43         Portugal       1.14       9.18         Singapore </td <td>CARLSON SCH MANAGEMENT</td> <td>6.82</td> <td>26.19</td>	CARLSON SCH MANAGEMENT	6.82	26.19
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       12.71         RENSSELAER POLYTECH INST       3.41       12.71         RENSSELAER 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       33.39         England       3.41       10.70         Peoples r china       3.41       8.28         Spain       3.41       15.67         Canada       2.27       4.93         Australia       2.27       4.93         Netherlands       2.27       8.23         Italy       1.14       8.67         Portugal       1.14       8.67         Singapore	COLL BUSINESS	4.55	11.88
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       12.29         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       33.39         England       3.41       10.70         Peoples r china       3.41       15.67         Canada       2.27       4.93         Australia       2.27       4.93         Netherlands       2.27       8.23         Italy       1.14       8.43         Portugal       1.14       9.18         Singapore <t< td=""><td>EMORY UNIV</td><td>4.55</td><td>20.95</td></t<>	EMORY UNIV	4.55	20.95
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       33.39         England       3.41       10.70         Peoples r china       3.41       15.67         Canada       2.27       4.93         Australia       2.27       4.93         Australia       2.27       4.93         Australia       2.27       8.23         Italy       1.14       8.43         Portugal       1.14       9.18         Singapore       1.14	SCH BUSINESS	4.55	12.54
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       33.39         England       3.41       10.70         Peoples r china       3.41       15.67         Canada       2.27       4.93         Australia       2.27       4.93         Australia       2.27       4.93         Australia       2.27       8.23         Italy       1.14       8.43         Portugal       1.14       9.18         Singapore       1.14       4.67         Author       f(%)       σ	DEPT MANAGEMENT & MKT	3.41	25.52
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       33.39         England       3.41       10.70         Peoples r china       3.41       8.28         Spain       3.41       15.67         Canada       2.27       4.93         Australia       2.27       4.93         Australia       2.27       8.23         Italy       1.14       8.43         Portugal       1.14       8.43         Singapore       1.14       4.67         Author       f(%)       σ         Linderman K       10.23       7.87      <	GOIZUETA BUSINESS SCH	3.41	16.99
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       33.39         England       3.41       10.70         Peoples r china       3.41       15.67         Canada       2.27       4.93         Australia       2.27       4.93         Australia       2.27       4.93         Australia       2.27       8.23         Italy       1.14       8.43         Portugal       1.14       9.18         Singapore       1.14       4.67         Author       f(%)       σ         Linderman K       10.23       7.87         Schroeder RG       7.95       4.05      <	FISHER COLL BUSINESS	3.41	13.89
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       33.39         England       3.41       10.70         Peoples r china       3.41       15.67         Canada       2.27       4.93         Australia       2.27       4.93         Australia       2.27       4.93         Italy       1.14       8.43         Portugal       1.14       8.43         Portugal       1.14       9.18         Singapore       1.14       4.67         Author       f(%)       σ         Linderman K       10.23       7.87         Schroeder RG       7.95       4.05         Jacobs BW       6.82       15.37	OHIO STATE UNIV	3.41	13.12
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       33.39         England       3.41       10.70         Peoples r china       3.41       15.67         Canada       3.41       15.67         Canada       2.27       4.93         Australia       2.27       4.93         Netherlands       2.27       4.00         Netherlands       2.27       4.03         Italy       1.14       8.43         Portugal       1.14       9.18         Singapore       1.14       4.67         Author       f(%)       σ         Linderman K       10.23       7.87         Schroeder RG       7.95       4.05         Jacobs BW       6.82       13.77         Xia	MOORE SCH BUSINESS	3.41	20.02
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       33.39         England       3.41       10.70         Peoples r china       3.41       8.28         Spain       3.41       15.67         Canada       2.27       4.93         Australia       2.27       4.93         Netherlands       2.27       4.93         Italy       1.14       8.43         Portugal       1.14       9.18         Singapore       1.14       4.67         Author       f(%)       σ         Linderman K       10.23       7.87         Schroeder RG       7.95       4.05         Jacobs BW       6.82       13.77         Xia YS       6.82       15.37         Zhang GP       6.82       20.66         Ahire SL	DEPT MANAGEMENT SCI	3.41	13.41
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       33.39         England       3.41       10.70         Peoples r china       3.41       8.28         Spain       3.41       15.67         Canada       2.27       4.93         Australia       2.27       14.00         Netherlands       2.27       8.23         Italy       1.14       8.43         Portugal       1.14       9.18         Singapore       1.14       4.67         Author       f(%)       σ         Linderman K       10.23       7.87         Schroeder RG       7.95       4.05         Jacobs BW       6.82       13.77         Xia YS       6.82       15.37         Zhang GP       6.82       20.66         Ahire SL       6.82       12.03         Swink M       6.82 </td <td>INDIANA UNIV</td> <td>3.41</td> <td>12.71</td>	INDIANA UNIV	3.41	12.71
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       33.39         England       3.41       10.70         Peoples r china       3.41       8.28         Spain       3.41       15.67         Canada       2.27       4.93         Australia       2.27       4.93         Australia       2.27       4.00         Netherlands       2.27       8.23         Italy       1.14       8.43         Portugal       1.14       9.18         Singapore       1.14       4.67         Author       f(%)       σ         Linderman K       10.23       7.87         Schroeder RG       7.95       4.05         Jacobs BW       6.82       13.77         Zhang GP       6.82       20.66         Ahire SL       6.82       12.03         Swink M       6.82       4.18	RENSSELAER POLYTECH INST	3.41	22.29
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       33.39         England       3.41       10.70         Peoples r china       3.41       8.28         Spain       3.41       15.67         Canada       2.27       4.93         Australia       2.27       4.93         Netherlands       2.27       8.23         Italy       1.14       8.43         Portugal       1.14       9.18         Singapore       1.14       4.67         Author       f(%)       σ         Linderman K       10.23       7.87         Schroeder RG       7.95       4.05         Jacobs BW       6.82       13.77         Xia YS       6.82       15.37         Zhang GP       6.82       20.66         Ahire SL       6.82       12.03         Swink M       6.82       4.18         Nair A       5.68       5.65         Moeller SB <td>KOWLOON</td> <td>3.41</td> <td>15.43</td>	KOWLOON	3.41	15.43
KELLEY SCH BUSINESS       3.41       13.56         ELI BROAD GRAD SCH MANAGEMENT       3.41       13.12         Country       f(%)       σ         Usa       46.59       33.39         England       3.41       10.70         Peoples r china       3.41       8.28         Spain       3.41       15.67         Canada       2.27       4.93         Australia       2.27       4.93         Australia       2.27       8.23         Italy       1.14       8.43         Portugal       1.14       9.18         Singapore       1.14       4.67         Author       f(%)       σ         Linderman K       10.23       7.87         Schroeder RG       7.95       4.05         Jacobs BW       6.82       13.77         Xia YS       6.82       15.37         Zhang GP       6.82       20.66         Ahire SL       6.82       12.03         Swink M       6.82       4.18         Nair A       5.68       5.65         Moeller SB       4.55       18.37	HONG KONG POLYTECH UNIV	3.41	17.96
ELI BROAD GRAD SCH MANAGEMENT         3.41         13.12           Country         f(%)         σ           Usa         46.59         33.39           England         3.41         10.70           Peoples r china         3.41         8.28           Spain         3.41         15.67           Canada         2.27         4.93           Australia         2.27         4.93           Australia         2.27         8.23           Italy         1.14         8.43           Portugal         1.14         9.18           Singapore         1.14         4.67           Author         f(%)         σ           Linderman K         10.23         7.87           Schroeder RG         7.95         4.05           Jacobs BW         6.82         13.77           Xia YS         6.82         15.37           Zhang GP         6.82         20.66           Ahire SL         6.82         12.03           Swink M         6.82         4.18           Nair A         5.68         5.65           Moeller SB         4.55         18.37	OPERAT & MANAGEMENT SCI DEPT	3.41	20.02
ELI BROAD GRAD SCH MANAGEMENT         3.41         13.12           Country         f(%)         σ           Usa         46.59         33.39           England         3.41         10.70           Peoples r china         3.41         8.28           Spain         3.41         15.67           Canada         2.27         4.93           Australia         2.27         4.93           Australia         2.27         8.23           Italy         1.14         8.43           Portugal         1.14         9.18           Singapore         1.14         4.67           Author         f(%)         σ           Linderman K         10.23         7.87           Schroeder RG         7.95         4.05           Jacobs BW         6.82         13.77           Xia YS         6.82         15.37           Zhang GP         6.82         20.66           Ahire SL         6.82         12.03           Swink M         6.82         4.18           Nair A         5.68         5.65           Moeller SB         4.55         18.37	KELLEY SCH BUSINESS	3.41	13.56
Usa       46.59       33.39         England       3.41       10.70         Peoples r china       3.41       8.28         Spain       3.41       15.67         Canada       2.27       4.93         Australia       2.27       14.00         Netherlands       2.27       8.23         Italy       1.14       8.43         Portugal       1.14       9.18         Singapore       1.14       4.67         Author       f(%)       σ         Linderman K       10.23       7.87         Schroeder RG       7.95       4.05         Jacobs BW       6.82       13.77         Xia YS       6.82       15.37         Zhang GP       6.82       20.66         Ahire SL       6.82       12.03         Swink M       6.82       4.18         Nair A       5.68       5.65         Moeller SB       4.55       18.37	ELI BROAD GRAD SCH MANAGEMENT	3.41	
Usa       46.59       33.39         England       3.41       10.70         Peoples r china       3.41       8.28         Spain       3.41       15.67         Canada       2.27       4.93         Australia       2.27       14.00         Netherlands       2.27       8.23         Italy       1.14       8.43         Portugal       1.14       9.18         Singapore       1.14       4.67         Author       f(%)       σ         Linderman K       10.23       7.87         Schroeder RG       7.95       4.05         Jacobs BW       6.82       13.77         Xia YS       6.82       15.37         Zhang GP       6.82       20.66         Ahire SL       6.82       12.03         Swink M       6.82       4.18         Nair A       5.68       5.65         Moeller SB       4.55       18.37	Country	f(%)	σ
England       3.41       10.70         Peoples r china       3.41       8.28         Spain       3.41       15.67         Canada       2.27       4.93         Australia       2.27       14.00         Netherlands       2.27       8.23         Italy       1.14       8.43         Portugal       1.14       9.18         Singapore       1.14       4.67         Author       f(%)       σ         Linderman K       10.23       7.87         Schroeder RG       7.95       4.05         Jacobs BW       6.82       13.77         Xia YS       6.82       15.37         Zhang GP       6.82       20.66         Ahire SL       6.82       12.03         Swink M       6.82       4.18         Nair A       5.68       5.65         Moeller SB       4.55       18.37			
Peoples r china       3.41       8.28         Spain       3.41       15.67         Canada       2.27       4.93         Australia       2.27       14.00         Netherlands       2.27       8.23         Italy       1.14       8.43         Portugal       1.14       9.18         Singapore       1.14       4.67         Author       f(%)       σ         Linderman K       10.23       7.87         Schroeder RG       7.95       4.05         Jacobs BW       6.82       13.77         Xia YS       6.82       15.37         Zhang GP       6.82       20.66         Ahire SL       6.82       12.03         Swink M       6.82       4.18         Nair A       5.68       5.65         Moeller SB       4.55       18.37			
Spain       3.41       15.67         Canada       2.27       4.93         Australia       2.27       14.00         Netherlands       2.27       8.23         Italy       1.14       8.43         Portugal       1.14       9.18         Singapore       1.14       4.67         Author       f(%)       σ         Linderman K       10.23       7.87         Schroeder RG       7.95       4.05         Jacobs BW       6.82       13.77         Xia YS       6.82       15.37         Zhang GP       6.82       20.66         Ahire SL       6.82       12.03         Swink M       6.82       4.18         Nair A       5.68       5.65         Moeller SB       4.55       18.37		_	
Canada       2.27       4.93         Australia       2.27       14.00         Netherlands       2.27       8.23         Italy       1.14       8.43         Portugal       1.14       9.18         Singapore       1.14       4.67         Author       f(%)       σ         Linderman K       10.23       7.87         Schroeder RG       7.95       4.05         Jacobs BW       6.82       13.77         Xia YS       6.82       15.37         Zhang GP       6.82       20.66         Ahire SL       6.82       12.03         Swink M       6.82       4.18         Nair A       5.68       5.65         Moeller SB       4.55       18.37	<u> </u>		
Australia       2.27       14.00         Netherlands       2.27       8.23         Italy       1.14       8.43         Portugal       1.14       9.18         Singapore       1.14       4.67         Author       f(%)       σ         Linderman K       10.23       7.87         Schroeder RG       7.95       4.05         Jacobs BW       6.82       13.77         Xia YS       6.82       15.37         Zhang GP       6.82       20.66         Ahire SL       6.82       12.03         Swink M       6.82       4.18         Nair A       5.68       5.65         Moeller SB       4.55       18.37		2.27	
Netherlands       2.27       8.23         Italy       1.14       8.43         Portugal       1.14       9.18         Singapore       1.14       4.67         Author       f(%)       σ         Linderman K       10.23       7.87         Schroeder RG       7.95       4.05         Jacobs BW       6.82       13.77         Xia YS       6.82       15.37         Zhang GP       6.82       20.66         Ahire SL       6.82       12.03         Swink M       6.82       4.18         Nair A       5.68       5.65         Moeller SB       4.55       18.37			
Italy       1.14       8.43         Portugal       1.14       9.18         Singapore       1.14       4.67         Author       f(%)       σ         Linderman K       10.23       7.87         Schroeder RG       7.95       4.05         Jacobs BW       6.82       13.77         Xia YS       6.82       15.37         Zhang GP       6.82       20.66         Ahire SL       6.82       12.03         Swink M       6.82       4.18         Nair A       5.68       5.65         Moeller SB       4.55       18.37	Netherlands		
Portugal       1.14       9.18         Singapore       1.14       4.67         Author       f(%)       σ         Linderman K       10.23       7.87         Schroeder RG       7.95       4.05         Jacobs BW       6.82       13.77         Xia YS       6.82       15.37         Zhang GP       6.82       20.66         Ahire SL       6.82       12.03         Swink M       6.82       4.18         Nair A       5.68       5.65         Moeller SB       4.55       18.37	Italy		8.43
Singapore         1.14         4.67           Author         f(%)         σ           Linderman K         10.23         7.87           Schroeder RG         7.95         4.05           Jacobs BW         6.82         13.77           Xia YS         6.82         15.37           Zhang GP         6.82         20.66           Ahire SL         6.82         12.03           Swink M         6.82         4.18           Nair A         5.68         5.65           Moeller SB         4.55         18.37		1.14	9.18
Author         f(%)         σ           Linderman K         10.23         7.87           Schroeder RG         7.95         4.05           Jacobs BW         6.82         13.77           Xia YS         6.82         15.37           Zhang GP         6.82         20.66           Ahire SL         6.82         12.03           Swink M         6.82         4.18           Nair A         5.68         5.65           Moeller SB         4.55         18.37	_		
Linderman K       10.23       7.87         Schroeder RG       7.95       4.05         Jacobs BW       6.82       13.77         Xia YS       6.82       15.37         Zhang GP       6.82       20.66         Ahire SL       6.82       12.03         Swink M       6.82       4.18         Nair A       5.68       5.65         Moeller SB       4.55       18.37		f(%)	σ
Schroeder RG       7.95       4.05         Jacobs BW       6.82       13.77         Xia YS       6.82       15.37         Zhang GP       6.82       20.66         Ahire SL       6.82       12.03         Swink M       6.82       4.18         Nair A       5.68       5.65         Moeller SB       4.55       18.37		. ,	
Jacobs BW       6.82       13.77         Xia YS       6.82       15.37         Zhang GP       6.82       20.66         Ahire SL       6.82       12.03         Swink M       6.82       4.18         Nair A       5.68       5.65         Moeller SB       4.55       18.37			
Xia YS       6.82       15.37         Zhang GP       6.82       20.66         Ahire SL       6.82       12.03         Swink M       6.82       4.18         Nair A       5.68       5.65         Moeller SB       4.55       18.37			
Zhang GP       6.82       20.66         Ahire SL       6.82       12.03         Swink M       6.82       4.18         Nair A       5.68       5.65         Moeller SB       4.55       18.37	Xia YS		
Ahire SL       6.82       12.03         Swink M       6.82       4.18         Nair A       5.68       5.65         Moeller SB       4.55       18.37	Zhang GP		
Swink M       6.82       4.18         Nair A       5.68       5.65         Moeller SB       4.55       18.37			
Nair A         5.68         5.65           Moeller SB         4.55         18.37			
Moeller SB 4.55 18.37			
	Malhotra MK	4.55	3.63

Reference	f(%)	$\sigma$
Linderman K, 2003, J OPER MANAG (21), 193	47.73	291.42
Powell TC, 1995, STRATEGIC MANAGE J (16), 15	47.73	160.22
Nair A, 2006, J OPER MANAG (24), 948	40.91	281.71
Sila I, 2007, J OPER MANAG (25), 83	40.91	273.71
Schroeder RG, 2008, J OPER MANAG (26), 536	39.77	360.58
Zu XX, 2008, J OPER MANAG (26), 630	37.50	331.23
Flynn B B, 1994, Journal of Operations Management		
(11), 0	34.09	106.86
Linderman K, 2006, J OPER MANAG (24), 779	34.09	326.78
Choo AS, 2007, MANAGE SCI (53), 437	30.68	228.96
Kaynak H, 2003, J OPER MANAG (21), 405	29.55	140.79
Samson D, 1999, J OPER MANAG (17), 393	28.41	115.50
Sousa R, 2008, J OPER MANAG (26), 697	27.27	165.67
Hendricks KB, 2001, MANAGE SCI (47), 359	27.27	184.21
Hendricks KB, 1997, MANAGE SCI (43), 1258	25.00	121.77
Flynn BB, 1995, DECISION SCI (26), 659	23.86	89.75
Corbett CJ, 2005, MANAGE SCI (51), 1046	23.86	154.48
Hackman JR, 1995, ADMIN SCI QUART (40), 309	23.86	107.95
Douglas TJ, 2001, ACAD MANAGE J (44), 158	22.73	142.87
Deming WE, 1986, OUT CRISIS (0), 0	22.73	96.31
Benner MJ, 2002, ADMIN SCI QUART (47), 676	21.59	173.25
Sousa R, 2002, J OPER MANAG (20), 91	21.59	139.45
Hendricks KB, 2001, J OPER MANAG (19), 269	21.59	127.58
Schmenner RW, 1998, J OPER MANAG (17), 97	21.59	80.28
Barber BM, 1996, J FINANC ECON (41), 359	20.45	204.93
Podsakoff PM, 2003, J APPL PSYCHOL (88), 879	20.45	53.93
RefJournal	f(%)	σ
J OPER MANAG	55.68	55.97
MANAGE SCI	52.27	38.05
ACAD MANAGE J	50.00	63.99
DECISION SCI	46.59	53.39
ACAD MANAGE REV	45.45	54.68
ADMIN SCI QUART	44.32	63.68
STRATEGIC MANAGE J	42.05	51.38
HARVARD BUS REV	36.36	37.64
INT J OPER PROD MAN	35.23	49.02
J OPERATIONS MANAGEM	34.09	44.40

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

Keyword	f(%)	tf-idf	Institution	f(%)	$\sigma$
CONTINGENCY THEORY	10.53	0.48	UNIV MINNESOTA	13.56	33.65
ORGANIZATIONAL STRUCTURE	7.02	0.40	DEPT MANAGEMENT	11.86	21.50
QUALITY MANAGEMENT	12.28	0.38	COLL BUSINESS	10.17	22.10
THEORY	7.02	0.37	CARLSON SCH MANAGEMENT	10.17	32.07
RESOURCE-BASED VIEW OF THE			COLL BUSINESS ADM	10.17	25.01
FIRM	5.26	0.34	OPERAT & MANAGEMENT SCI DEPT	6.78	32.73
INDIVIDUALISM/COLLECTIVISM	5.26	0.34	EMORY UNIV	6.78	25.66
RESOURCE-BASED VIEW	7.02	0.34	LONDON BUSINESS SCH	5.08	24.51
OPERATIONS	7.02	0.34	GOIZUETA BUSINESS SCH	5.08	20.82
THEORY OF PERFORMANCE			CLEMSON UNIV	5.08	20.47
FRONTIERS	5.26	0.34	MICHIGAN STATE UNIV	5.08	11.79
ASIA	5.26	0.30	ELI BROAD GRAD SCH MANAGEMENT	5.08	16.11
MANUFACTURING STRATEGY	7.02	0.28	CORNELL UNIV	3.39	13.60
MEASUREMENT METHODOLOGY	3.51	0.28	RICHARD T FARMER SCH BUSINESS	3.39	37.57
GENERAL METHODOLOGY	3.51	0.28	TEXAS A&M UNIV	3.39	14.08
CONCEPTUAL METHODS	3.51	0.28	DEPT INFORMAT & OPERAT	0.00	11.00
CULTURE	5.26	0.27	MANAGEMENT	3.39	20.78
THEORY DEVELOPMENT	5.26	0.26	ARIZONA STATE UNIV	3.39	9.95
AREAS FOR FUTURE RESEARCH	3.51	0.26	MIAMI UNIV	3.39	23.71
CASE STUDY RESEARCH	5.26	0.25	DEPT MANAGEMENT SCI	3.39	10.92
BEHAVIORAL THEORY	3.51	0.25	CURTIS L CARLSON SCH	0.00	10.02
CONSTRAINTS	3.51	0.25	MANAGEMENT	3.39	20.78
Subject	f(%)	$\sigma$	Country	f(%)	$\sigma$
Subject Operations Research & Management Science	f(%) 100.00	$\frac{\sigma}{0.00}$	Country Usa	f(%) 61.02	$\frac{\sigma}{36.11}$
Subject Operations Research & Management Science Management	f(%) 100.00 83.05	-		f(%) 61.02 6.78	
Operations Research & Management Science Management	100.00	0.00	Usa Netherlands	61.02	36.11
Operations Research & Management Science	100.00 83.05	0.00 2.82	Usa Netherlands England	61.02 6.78 6.78	36.11 20.49
Operations Research & Management Science Management	100.00 83.05	0.00 2.82	Usa Netherlands	61.02 6.78	36.11 20.49 17.65
Operations Research & Management Science Management	100.00 83.05	0.00 2.82	Usa Netherlands England Canada	61.02 6.78 6.78 5.08	36.11 20.49 17.65 9.41 12.75
Operations Research & Management Science Management	100.00 83.05	0.00 2.82	Usa Netherlands England Canada Spain	61.02 6.78 6.78 5.08 3.39	36.11 20.49 17.65 9.41
Operations Research & Management Science Management	100.00 83.05	0.00 2.82	Usa Netherlands England Canada Spain Brazil	61.02 6.78 6.78 5.08 3.39 1.69	36.11 20.49 17.65 9.41 12.75 18.76
Operations Research & Management Science Management	100.00 83.05	0.00 2.82	Usa Netherlands England Canada Spain Brazil Portugal	61.02 6.78 6.78 5.08 3.39 1.69 1.69	36.11 20.49 17.65 9.41 12.75 18.76 11.26
Operations Research & Management Science Management	100.00 83.05	0.00 2.82	Usa Netherlands England Canada Spain Brazil Portugal Finland	61.02 6.78 6.78 5.08 3.39 1.69 1.69	36.11 20.49 17.65 9.41 12.75 18.76 11.26 14.15
Operations Research & Management Science Management	100.00 83.05	0.00 2.82	Usa Netherlands England Canada Spain Brazil Portugal Finland India	61.02 6.78 6.78 5.08 3.39 1.69 1.69 1.69	36.11 20.49 17.65 9.41 12.75 18.76 11.26 14.15 8.52
Operations Research & Management Science Management Engineering, Manufacturing	100.00 83.05 16.95	0.00 2.82 -2.82	Usa Netherlands England Canada Spain Brazil Portugal Finland India Australia	61.02 6.78 6.78 5.08 3.39 1.69 1.69 1.69 1.69	36.11 20.49 17.65 9.41 12.75 18.76 11.26 14.15 8.52 8.52
Operations Research & Management Science Management Engineering, Manufacturing  Journal	100.00 83.05 16.95	0.00 2.82 -2.82	Usa Netherlands England Canada Spain Brazil Portugal Finland India Australia	61.02 6.78 6.78 5.08 3.39 1.69 1.69 1.69 1.69	36.11 $20.49$ $17.65$ $9.41$ $12.75$ $18.76$ $11.26$ $14.15$ $8.52$ $8.52$
Operations Research & Management Science Management Engineering, Manufacturing  Journal J OPER MANAG	100.00 83.05 16.95 f(%) 83.05	0.00 2.82 -2.82 -4.68	Usa Netherlands England Canada Spain Brazil Portugal Finland India Australia  Author Schroeder RG	61.02 6.78 6.78 5.08 3.39 1.69 1.69 1.69 1.69 1.69 20.34	$  \begin{array}{c} 36.11 \\ 20.49 \\ 17.65 \\ 9.41 \\ 12.75 \\ 18.76 \\ 11.26 \\ 14.15 \\ 8.52 \\ 8.52 \\ \hline \sigma \\ 10.18 \\ \end{array} $
Operations Research & Management Science Management Engineering, Manufacturing  Journal J OPER MANAG	100.00 83.05 16.95 f(%) 83.05	0.00 2.82 -2.82 -4.68	Usa Netherlands England Canada Spain Brazil Portugal Finland India Australia  Author Schroeder RG Linderman K	61.02 6.78 6.78 5.08 3.39 1.69 1.69 1.69 1.69 20.34 6.78	$\begin{array}{c} 36.11 \\ 20.49 \\ 17.65 \\ 9.41 \\ 12.75 \\ 18.76 \\ 11.26 \\ 14.15 \\ 8.52 \\ 8.52 \\ \hline \\ \sigma \\ 10.18 \\ 3.99 \\ \end{array}$
Operations Research & Management Science Management Engineering, Manufacturing  Journal J OPER MANAG	100.00 83.05 16.95 f(%) 83.05	0.00 2.82 -2.82 -4.68	Usa Netherlands England Canada Spain Brazil Portugal Finland India Australia  Author Schroeder RG Linderman K Samson D	61.02 6.78 6.78 5.08 3.39 1.69 1.69 1.69 1.69 20.34 6.78 6.78	$36.11$ $20.49$ $17.65$ $9.41$ $12.75$ $18.76$ $11.26$ $14.15$ $8.52$ $8.52$ $\sigma$ $10.18$ $3.99$ $8.25$
Operations Research & Management Science Management Engineering, Manufacturing  Journal J OPER MANAG	100.00 83.05 16.95 f(%) 83.05	0.00 2.82 -2.82 -4.68	Usa Netherlands England Canada Spain Brazil Portugal Finland India Australia  Author Schroeder RG Linderman K Samson D Schoenherr T	61.02 6.78 6.78 5.08 3.39 1.69 1.69 1.69 1.69 20.34 6.78 6.78 5.08	$\begin{array}{c} 36.11 \\ 20.49 \\ 17.65 \\ 9.41 \\ 12.75 \\ 18.76 \\ 11.26 \\ 14.15 \\ 8.52 \\ 8.52 \\ \hline \sigma \\ 10.18 \\ 3.99 \\ 8.25 \\ 5.38 \\ \end{array}$
Operations Research & Management Science Management Engineering, Manufacturing  Journal J OPER MANAG	100.00 83.05 16.95 f(%) 83.05	0.00 2.82 -2.82 -4.68	Usa Netherlands England Canada Spain Brazil Portugal Finland India Australia  Author Schroeder RG Linderman K Samson D Schoenherr T Rosenzweig ED	61.02 6.78 6.78 5.08 3.39 1.69 1.69 1.69 1.69 20.34 6.78 6.78 5.08 5.08	$\begin{array}{c} 36.11 \\ 20.49 \\ 17.65 \\ 9.41 \\ 12.75 \\ 18.76 \\ 11.26 \\ 14.15 \\ 8.52 \\ 8.52 \\ \hline \sigma \\ 10.18 \\ 3.99 \\ 8.25 \\ 5.38 \\ 2.66 \\ \end{array}$
Operations Research & Management Science Management Engineering, Manufacturing  Journal J OPER MANAG	100.00 83.05 16.95 f(%) 83.05	0.00 2.82 -2.82 -4.68	Usa Netherlands England Canada Spain Brazil Portugal Finland India Australia  Author Schroeder RG Linderman K Samson D Schoenherr T Rosenzweig ED Power D Peng DX	61.02 6.78 6.78 5.08 3.39 1.69 1.69 1.69 1.69 20.34 6.78 6.78 5.08 5.08	$\begin{array}{c} 36.11 \\ 20.49 \\ 17.65 \\ 9.41 \\ 12.75 \\ 18.76 \\ 11.26 \\ 14.15 \\ 8.52 \\ 8.52 \\ \hline \sigma \\ 10.18 \\ 3.99 \\ 8.25 \\ 5.38 \\ 2.66 \\ 4.98 \\ \end{array}$
Operations Research & Management Science Management Engineering, Manufacturing  Journal J OPER MANAG	100.00 83.05 16.95 f(%) 83.05	0.00 2.82 -2.82 -4.68	Usa Netherlands England Canada Spain Brazil Portugal Finland India Australia  Author Schroeder RG Linderman K Samson D Schoenherr T Rosenzweig ED Power D	61.02 6.78 6.78 5.08 3.39 1.69 1.69 1.69 20.34 6.78 6.78 6.78 5.08 5.08 5.08	$\begin{array}{c} 36.11 \\ 20.49 \\ 17.65 \\ 9.41 \\ 12.75 \\ 18.76 \\ 11.26 \\ 14.15 \\ 8.52 \\ 8.52 \\ \hline \sigma \\ 10.18 \\ 3.99 \\ 8.25 \\ 5.38 \\ 2.66 \\ 4.98 \\ 6.16 \\ 5.13 \\ \end{array}$
Operations Research & Management Science Management Engineering, Manufacturing  Journal J OPER MANAG	100.00 83.05 16.95 f(%) 83.05	0.00 2.82 -2.82 -4.68	Usa Netherlands England Canada Spain Brazil Portugal Finland India Australia  Author Schroeder RG Linderman K Samson D Schoenherr T Rosenzweig ED Power D Peng DX Huang XW	61.02 6.78 6.78 5.08 3.39 1.69 1.69 1.69 20.34 6.78 6.78 5.08 5.08 5.08 5.08	$\begin{array}{c} 36.11 \\ 20.49 \\ 17.65 \\ 9.41 \\ 12.75 \\ 18.76 \\ 11.26 \\ 14.15 \\ 8.52 \\ 8.52 \\ \hline \\ \sigma \\ 10.18 \\ 3.99 \\ 8.25 \\ 5.38 \\ 2.66 \\ 4.98 \\ 6.16 \\ \end{array}$

Reference	f(%)	$\sigma$
Amundson SD, 1998, J OPER MANAG (16), 341	76.27	305.55
Wacker JG, 1998, J OPER MANAG (16), 361	35.59	206.02
Schmenner RW, 1998, J OPER MANAG (17), 97	35.59	108.49
Barney J, 1991, J MANAGE (17), 99	30.51	66.83
Hayes RH, 1984, RESTORING OUR COMPET (0), 0	28.81	73.03
Schroeder RG, 2002, STRATEGIC MANAGE J (23), 105	25.42	125.77
Flynn B B, 1994, Journal of Operations Management		
(11), 0	23.73	60.83
Skinner W, 1969, HARVARD BUS REV (47), 136	23.73	82.16
Teece DJ, 1997, STRATEGIC MANAGE J (18), 509	23.73	63.49
Melnyk SA, 1998, J OPER MANAG (16), 311	23.73	162.21
Ferdows K, 1990, J OPERATIONS MANAGEM (9), 168	23.73	66.66
Fornell C, 1981, J MARKETING RES (18), 39	22.03	40.46
St john CH, 2001, J OPER MANAG (19), 143	22.03	155.72
Ahire SL, 1996, DECISION SCI (27), 23	22.03	66.43
Flynn B B, 1990, J OPERATIONS MANAGEM (9), 250	22.03	60.30
Flynn BB, 1999, J OPER MANAG (17), 249	20.34	93.79
Thompson J, 1967, ORG ACTION (0), 0	18.64	55.12
Swamidass PM, 1987, MANAGE SCI (33), 509	18.64	51.56
Rosenzweig ED, 2004, PROD OPER MANAG (13), 354	18.64	69.69
Powell TC, 1995, STRATEGIC MANAGE J (16), 15	18.64	51.12
Dow D, 1999, PROD OPER MANAG (8), 1	16.95	56.93
Vickery SK, 1993, DECISION SCI (24), 435	16.95	55.11
Kaynak H, 2003, J OPER MANAG (21), 405	16.95	66.07
Wacker JG, 2004, J OPER MANAG (22), 629	16.95	99.43
Bollen kenneth A, 1989, STRUCTURAL EQUATIONS (0),		
0	16.95	42.09
RefJournal	f(%)	$\sigma$
J OPER MANAG	72.88	60.20
ACAD MANAGE REV	55.93	55.23
MANAGE SCI	50.85	30.28
Journal of Operations Management	50.85	62.87
J OPERATIONS MANAGEM	49.15	52.66
HARVARD BUS REV	49.15	41.91
DECISION SCI	47.46	44.54
STRATEGIC MANAGE J	45.76	45.84
J MANAGE	40.68	51.18
PROD OPER MANAG	40.68	31.08