

Communities ID Cards

This document gather the “ID Cards” of the CC communities found within your database.

The CC network was built by keeping a link between articles sharing at least 5 references. The communities characterized here correspond to the ones found in the level 1 (in the sense of the Louvain algo) which gathers more than 0 articles.

These ID cards displays the most frequent keywords, subject categories, journals of publication, institution, countries, authors, references and reference journals of the articles of each community. The significance of an item $\sigma = \sqrt{N}(f - p) / \sqrt{p(1 - p)}$ [where N is the number of articles within the community and f and p are the proportion of articles respectively within the community and within the database displaying that item] is also given (for example $\sigma > 5$ is really highly significant). The tf-idf value which can be calculated by $tf - idf = f * \log(\frac{1}{p})$ is also given.

Table 1: The community 1 - “OPERATIONS STRATEGY” contains $N = 15$ articles. Its average internal link weight is $\langle \omega_{in} \rangle \simeq 1/20$

Keyword	f(%)	tf-idf
OPERATIONS STRATEGY	23.55	0.66
EMPIRICAL RESEARCH	24.65	0.61
MANUFACTURING STRATEGY	9.70	0.39
TECHNOLOGY MANAGEMENT	8.03	0.34
TAXONOMY	5.54	0.31
ADVANCED MANUFACTURING TECHNOLOGIES	4.16	0.26
SUPPLY CHAIN MANAGEMENT	10.80	0.23
MEASUREMENT AND METHODOLOGY	4.16	0.22
SERVICE OPERATIONS	5.82	0.17
CONTINGENCY THEORY	3.60	0.16
PURCHASING	3.88	0.16
EMPIRICAL RESEARCH METHODS	3.88	0.15
FLEXIBILITY	3.60	0.15
MASS CUSTOMIZATION	3.05	0.15
E-COMMERCE	3.05	0.14
BUSINESS PERFORMANCE	2.49	0.14
SURVEY RESEARCH	3.05	0.14
MARKETING/OPERATIONS INTERFACE	3.05	0.13
OPERATIONS MANAGEMENT	3.60	0.13
ELECTRONIC SURVEYS	1.66	0.13
Subject	f(%)	σ
Operations Research & Management Science	100.00	0.00
Management	81.25	6.30
Engineering, Manufacturing	18.75	-6.31
Journal	f(%)	σ
J OPER MANAG	79.89	10.46
PROD OPER MANAG	18.75	-6.31
M&SOM-MANUF SERV OP	1.36	-6.64

Institution	f(%)	σ
DEPT MANAGEMENT	13.08	59.18
COLL BUSINESS ADM	7.08	43.28
MICHIGAN STATE UNIV	5.99	34.78
UNIV MINNESOTA	5.72	35.07
COLL BUSINESS	5.18	27.73
CARLSON SCH MANAGEMENT	4.63	36.19
OHIO STATE UNIV	4.09	32.21
ELI BROAD GRAD SCH MANAGEMENT	3.81	30.04
DEPT MANAGEMENT SCI	3.54	28.48
ARIZONA STATE UNIV	3.27	23.93
SCH MANAGEMENT	3.27	15.96
FISHER COLL BUSINESS	3.27	27.18
DEPT SUPPLY CHAIN MANAGEMENT	3.00	24.58
DEPT MKT & SUPPLY CHAIN MANAGEMENT	2.72	22.31
OPERAT & MANAGEMENT SCI DEPT	2.72	32.62
LONDON BUSINESS SCH	2.45	29.33
UNIV S CAROLINA	2.45	25.79
CLEMSON UNIV	2.18	21.68
KELLEY SCH BUSINESS	2.18	17.55
EMORY UNIV	2.18	20.32
Country	f(%)	σ
Usa	46.59	68.20
England	5.18	33.47
Peoples r china	3.27	16.18
Canada	2.72	12.22
Spain	1.91	17.73
Italy	1.36	20.68
Finland	1.36	28.34
Netherlands	1.09	7.81
South korea	0.82	9.34
Australia	0.82	10.10
Author	f(%)	σ
Boyer KK	8.15	13.37
Schroeder RG	6.25	5.93
Rosenzweig ED	4.62	5.85
Olson JR	3.80	16.67
Verma R	3.80	6.34
Ward PT	3.53	5.42
Swink M	3.26	2.87
Roth AV	3.26	0.89
Pagell M	2.99	5.06
Machuca JAD	2.72	12.31

Reference	f(%)	σ
Flynn B B, 1990, J OPERATIONS MANAGEM (9), 250	40.76	279.04
Miller JG, 1994, MANAGE SCI (40), 285	37.50	223.24
Malhotra MK, 1998, J OPER MANAG (16), 407	27.17	228.05
Nunnally JC, 1978, PSYCHOMETRIC THEORY (0), 0	26.90	145.75
Hayes RH, 1984, RESTORING OUR COMPET (0), 0	26.63	168.52
Boyer K K, 1997, Journal of Operations Management (15), 0	24.46	248.08
Boyer K K, 1996, Journal of Operations Management (14), 0	20.65	246.59
Ferdows K, 1990, J OPERATIONS MANAGEM (9), 168	20.38	142.92
Fornell C, 1981, J MARKETING RES (18), 39	19.57	89.65
Swamidass PM, 1987, MANAGE SCI (33), 509	19.57	135.16
Kathuria R, 2000, J OPER MANAG (18), 627	19.29	207.42
Bollen kenneth A, 1989, STRUCTURAL EQUATIONS (0), 0	18.75	116.35
Vickery SK, 1993, DECISION SCI (24), 435	18.48	150.10
Boyer KK, 2000, J OPER MANAG (18), 361	17.66	217.19
Safizadeh MH, 1996, MANAGE SCI (42), 1576	17.66	146.05
Ward PT, 1998, DECISION SCI (29), 1035	16.85	190.32
Anderson JC, 1988, PSYCHOL BULL (103), 411	15.49	84.33
O'leary-kelly SW, 1998, J OPER MANAG (16), 387	15.49	107.59
Dillman d A, 1978, MAIL TELEPHONE SURVE (0), 0	14.67	117.51
Barney J, 1991, J MANAGE (17), 99	14.40	78.43
Bozarth C, 1998, J OPER MANAG (16), 427	14.40	198.18
Gerwin D, 1993, MANAGE SCI (39), 395	14.40	111.77
Flynn B B, 1994, Journal of Operations Management (11), 0	14.40	91.98
Boyer KK, 2000, PROD OPER MANAG (9), 128	14.13	158.12
Duray R, 2000, J OPER MANAG (18), 605	14.13	188.17
RefJournal	f(%)	σ
J OPER MANAG	53.80	110.53
MANAGE SCI	46.20	68.49
J OPERATIONS MANAGEM	42.66	113.97
STRATEGIC MANAGE J	41.58	103.87
ACAD MANAGE REV	40.49	99.44
HARVARD BUS REV	40.49	85.91
DECISION SCI	38.32	89.52
ACAD MANAGE J	36.68	95.63
Journal of Operations Management	36.41	112.10
INT J OPER PROD MAN	35.60	101.31

Table 2: The community 2 - “MANUFACTURING STRATEGY” contains $N = 14$ articles. Its average internal link weight is $\langle \omega_{in} \rangle \simeq 1/12$

Keyword	f(%)	tf-idf
MANUFACTURING STRATEGY	18.69	0.75
EMPIRICAL RESEARCH	25.86	0.64
OPERATIONS STRATEGY	21.81	0.61
CUMULATIVE CAPABILITIES	4.67	0.28
RESOURCE-BASED VIEW	5.61	0.27
COMPETITIVE CAPABILITIES	4.98	0.27
SUPPLY CHAIN MANAGEMENT	10.90	0.24
TRADEOFFS	3.43	0.22
TAXONOMY	4.05	0.22
META-ANALYSIS	4.05	0.21
EMPIRICAL METHODS	3.12	0.19
INTEGRATION	3.43	0.18
FLEXIBILITY	4.05	0.17
TRADE-OFFS	2.49	0.17
MEASUREMENT AND METHODOLOGY	3.12	0.16
MANUFACTURING PERFORMANCE	3.12	0.16
EXPLOITATION	3.12	0.15
EXPLORATION	3.12	0.15
INNOVATION CAPABILITY	2.18	0.14
IMPROVEMENT CAPABILITY	2.18	0.14
Subject	f(%)	σ
Operations Research & Management Science	100.00	0.00
Management	75.38	3.70
Engineering, Manufacturing	24.62	-3.70
Journal	f(%)	σ
J OPER MANAG	72.31	7.10
PROD OPER MANAG	24.62	-3.70
M&SOM-MANUF SERV OP	3.08	-5.32

Institution	f(%)	σ
DEPT MANAGEMENT	8.92	37.76
MICHIGAN STATE UNIV	6.46	35.32
COLL BUSINESS ADM	6.46	37.10
UNIV MINNESOTA	5.23	30.12
COLL BUSINESS	4.62	23.19
CARLSON SCH MANAGEMENT	4.00	29.35
ELI BROAD GRAD SCH MANAGEMENT	3.69	27.34
EMORY UNIV	3.08	27.14
GOIZUETA BUSINESS SCH	3.08	29.44
DEPT MANAGEMENT SCI	2.77	20.86
SCH MANAGEMENT	2.77	12.61
OHIO STATE UNIV	2.77	20.40
DEPT MKT & SUPPLY CHAIN MANAGEMENT	2.77	21.34
CLEMSON UNIV	2.46	23.08
KELLEY SCH BUSINESS	2.46	18.71
DEPT SUPPLY CHAIN MANAGEMENT	2.46	18.93
INDIANA UNIV	2.46	17.52
UNIV S CAROLINA	2.46	24.36
UNIV UTAH	2.15	24.82
FISHER COLL BUSINESS	2.15	16.71
Country	f(%)	σ
Usa	42.15	57.84
England	3.38	20.41
Canada	3.08	13.08
Peoples r china	1.85	8.31
Italy	1.23	17.56
Portugal	1.23	19.13
Spain	0.92	7.89
Finland	0.92	18.01
South korea	0.62	6.54
Australia	0.62	7.08
Author	f(%)	σ
Rosenzweig ED	11.69	17.00
Roth AV	10.46	9.09
Swink M	8.62	10.73
Schroeder RG	7.38	7.05
Narasimhan R	4.62	4.56
Boyer KK	3.69	4.68
Kristal MM	3.38	6.97
Verma R	3.38	5.12
Easton GS	3.38	11.54
Ward PT	3.08	4.21

Reference	f(%)	σ
Ferdows K, 1990, J OPERATIONS MANAGEM (9), 168	57.54	380.09
Hayes RH, 1984, RESTORING OUR COMPET (0), 0	44.62	265.69
Miller JG, 1994, MANAGE SCI (40), 285	44.00	246.26
Boyer KK, 2002, PROD OPER MANAG (11), 9	34.15	290.70
Swamidass PM, 1987, MANAGE SCI (33), 509	31.08	202.05
Vickery SK, 1993, DECISION SCI (24), 435	28.31	216.32
Rosenzweig ED, 2004, PROD OPER MANAG (13), 354	27.69	243.12
Safizadeh MH, 1996, MANAGE SCI (42), 1576	26.77	208.23
Ward PT, 2000, J OPER MANAG (18), 123	26.46	256.10
Skinner W, 1969, HARVARD BUS REV (47), 136	26.15	212.57
Noble MA, 1995, DECISION SCI (26), 693	24.92	258.49
Flynn BB, 1999, J OPER MANAG (17), 249	24.92	269.80
Vickery s K, 1997, Journal of Operations Management (15), 0	24.62	266.61
Gerwin D, 1993, MANAGE SCI (39), 395	23.38	170.82
Hayes r H, 1996, PRODUCTION OPERATION (5), 25	23.38	212.22
Giffi C, 1990, COMPETING WORLD CLAS (0), 0	23.38	223.52
Ward PT, 1995, J OPERATIONS MANAGEM (13), 99	23.08	224.87
White g P, 1996, J OPERATIONS MANAGEM (14), 315	22.77	246.93
Ward PT, 1998, DECISION SCI (29), 1035	21.85	232.00
Roth a V, 1992, BUS HORIZONS (35), 73	21.23	262.77
Porter M, 1980, COMPETITIVE STRATEGY (0), 0	20.92	149.49
Barney J, 1991, J MANAGE (17), 99	20.62	105.78
Fornell C, 1981, J MARKETING RES (18), 39	20.31	87.47
Flynn BB, 2004, J OPER MANAG (22), 439	20.00	231.65
Schmenner RW, 1998, J OPER MANAG (17), 97	20.00	142.87
RefJournal	f(%)	σ
MANAGE SCI	46.46	64.75
J OPER MANAG	44.62	85.85
HARVARD BUS REV	40.62	80.99
STRATEGIC MANAGE J	40.00	93.86
J OPERATIONS MANAGEM	39.08	97.99
DECISION SCI	38.77	85.14
ACAD MANAGE REV	38.15	87.98
Journal of Operations Management	33.85	97.84
ACAD MANAGE J	32.62	79.76
INT J OPER PROD MAN	32.00	85.46

Table 3: The community 0 - “MANUFACTURING STRATEGY” contains $N = 10$ articles. Its average internal link weight is $\langle \omega_{in} \rangle \simeq 1/7$

Keyword	f(%)	tf-idf
MANUFACTURING STRATEGY	20.44	0.82
OPERATIONS STRATEGY	23.56	0.66
EMPIRICAL RESEARCH	19.56	0.48
COMPETITIVE CAPABILITIES	5.78	0.31
TRADE-OFFS	4.44	0.30
THEORY DEVELOPMENT	5.78	0.29
MANUFACTURING CAPABILITIES	4.44	0.29
COMPETITIVE PROGRESSION		
THEORY	4.00	0.28
HIGH-TECH MANUFACTURING	4.44	0.27
AREAS FOR FUTURE RESEARCH	3.56	0.26
ASSET FRONTIERS	3.11	0.24
PERFORMANCE IMPROVEMENT PATHS	3.11	0.24
PRODUCT CONFORMANCE	3.11	0.24
COMPETING RISK HAZARD FUNCTION		
MODEL	3.11	0.24
PRODUCT PERFORMANCE	3.11	0.24
DESIGN-TO-ORDER	3.11	0.24
LOGISTIC REGRESSION	3.11	0.20
CUMULATIVE CAPABILITIES	3.11	0.19
SECONDARY DATA	3.11	0.18
STRATEGY	3.11	0.18
Subject	f(%)	σ
Operations Research & Management Science	100.00	0.00
Management	52.84	-4.08
Engineering, Manufacturing	47.16	4.08
Journal	f(%)	σ
J OPER MANAG	50.66	-0.61
PROD OPER MANAG	47.16	4.08
M&SOM-MANUF SERV OP	2.18	-4.86

Institution	f(%)	σ
DEPT MANAGEMENT	8.73	31.01
MICHIGAN STATE UNIV	7.42	34.14
COLL BUSINESS ADM	4.80	23.03
ELI BROAD GRAD SCH MANAGEMENT	4.37	27.21
UNIV N CAROLINA	3.93	20.91
COLL BUSINESS	3.93	16.50
UNIV MINNESOTA	3.49	16.73
DEPT MKT & SUPPLY CHAIN		
MANAGEMENT	3.49	22.69
DEPT MANAGEMENT SCI	3.49	22.18
GOIZUETA BUSINESS SCH	3.06	24.55
INDIANA UNIV	3.06	18.35
CARLSON SCH MANAGEMENT	3.06	18.74
EMORY UNIV	3.06	22.63
SCH BUSINESS	3.06	13.44
COLL MANAGEMENT	2.62	14.79
GEORGIA INST TECHNOL	2.18	11.82
UNIV NOTRE DAME	2.18	18.46
LONDON BUSINESS SCH	2.18	20.60
UNIV UTAH	2.18	21.12
KENAN FLAGLER BUSINESS SCH	2.18	13.28
Country	f(%)	σ
Usa	47.16	54.55
England	5.68	29.04
Canada	3.49	12.55
Peoples r china	2.18	8.35
France	1.75	10.55
Finland	1.75	28.74
South korea	1.31	11.97
Spain	1.31	9.52
Australia	0.87	8.54
Singapore	0.87	5.71
Author	f(%)	σ
Rosenzweig ED	14.85	18.58
Swink M	10.48	11.35
Boyer KK	7.86	10.12
Roth AV	7.42	4.71
Schroeder RG	5.24	3.58
Scudder GD	3.06	16.87
Lapre MA	3.06	15.67
Raturi AS	3.06	16.44
Kekre S	3.06	7.10
Stratman JK	3.06	5.40

Reference	f(%)	σ
Hayes r H, 1996, PRODUCTION OPERATION (5), 25	48.03	366.23
Schmenner RW, 1998, J OPER MANAG (17), 97	44.54	267.56
Ferdows K, 1990, J OPERATIONS MANAGEM (9), 168	38.43	212.95
Skinner W, 1996, PRODUCTION OPERATION (5), 3	36.24	300.36
Hayes RH, 1984, RESTORING OUR COMPET (0), 0	34.50	172.35
Miller JG, 1994, MANAGE SCI (40), 285	32.75	153.74
Safizadeh MH, 2000, PROD OPER MANAG (9), 111	28.82	270.22
Skinner W, 1996, PRODUCTION OPERATION (5), 15	25.76	298.65
Clark k B, 1996, PRODUCTION OPERATION (5), 42	25.33	299.61
Skinner W, 1969, HARVARD BUS REV (47), 136	24.89	169.80
Boyer KK, 2002, PROD OPER MANAG (11), 9	24.89	177.75
Noble MA, 1995, DECISION SCI (26), 693	24.02	209.09
Vickery s K, 1994, Production and Operations		
Management (3), 0	22.71	246.70
Wheelwright SC, 1996, PRODUCTION OPERATION (5),		
59	21.83	223.61
Gerwin D, 1993, MANAGE SCI (39), 395	21.40	131.17
Ramdas K, 2003, PROD OPER MANAG (12), 79	20.52	205.74
Barney J, 1991, J MANAGE (17), 99	19.65	84.61
Roth a V, 1992, BUS HORIZONS (35), 73	19.65	204.14
Rosenzweig ED, 2004, PROD OPER MANAG (13), 354	18.78	138.28
Swamidass PM, 1987, MANAGE SCI (33), 509	17.90	97.53
Giffi C, 1990, COMPETING WORLD CLAS (0), 0	17.90	143.58
Gupta YP, 1998, PRODUCTION OPERATION (7), 243	17.03	255.54
Vickery SK, 1993, DECISION SCI (24), 435	17.03	109.10
Corbett C, 1993, CALIF MANAGE REV (35), 107	17.03	211.27
Flynn BB, 1999, J OPER MANAG (17), 249	16.59	150.70
RefJournal	f(%)	σ
MANAGE SCI	49.78	58.37
J OPER MANAG	46.72	75.54
HARVARD BUS REV	43.23	72.45
PROD OPER MANAG	38.43	57.75
STRATEGIC MANAGE J	37.99	74.77
DECISION SCI	34.06	62.64
ACAD MANAGE REV	33.62	64.95
J OPERATIONS MANAGEM	32.31	67.83
PRODUCTION OPERATION	31.44	86.47
INT J OPER PROD MAN	27.07	60.54