

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 0 (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 0 - “OPERATIONS MANAGEMENT RESEARCH” contains $N = 5$ articles. Its average internal link weight is $< \omega_{in} > \simeq 1/2$

| Keyword | f(%) | tf-idf |
|--|--------|----------|
| OPERATIONS MANAGEMENT | | |
| RESEARCH | 12.33 | 1.03 |
| RESEARCH METHODS | 13.70 | 0.88 |
| SOM CONTENT | 8.22 | 0.62 |
| SOM RESEARCH | 8.22 | 0.62 |
| THEORY BUILDING | 10.96 | 0.58 |
| POM JOURNALS | 6.85 | 0.53 |
| SERVICE OPERATIONS MANAGEMENT | 10.96 | 0.52 |
| RELEVANCE | 6.85 | 0.51 |
| EMPIRICAL RESEARCH | 17.81 | 0.44 |
| SURVEY RESEARCH | 9.59 | 0.43 |
| BIBLIOMETRIC TECHNIQUES | 6.85 | 0.41 |
| CO-CITATION | 6.85 | 0.41 |
| CITATION ANALYSIS | 6.85 | 0.38 |
| SOCIAL NETWORK ANALYSIS | 6.85 | 0.37 |
| QUALITATIVE | 5.48 | 0.37 |
| INDUCTIVE | 5.48 | 0.37 |
| DEDUCTIVE | 5.48 | 0.37 |
| TESTING | 5.48 | 0.37 |
| SIMULATION | 8.22 | 0.34 |
| LABORATORY RESEARCH | 5.48 | 0.33 |
| Subject | f(%) | σ |
| Operations Research & Management Science | 100.00 | 0.00 |
| Management | 85.00 | 3.65 |
| Engineering, Manufacturing | 15.00 | -3.65 |
| Journal | f(%) | σ |
| J OPER MANAG | 85.00 | 5.79 |
| PROD OPER MANAG | 15.00 | -3.65 |

| Institution | f(%) | σ |
|-------------------------------|-------|----------|
| DEPT MANAGEMENT | 15.00 | 31.74 |
| UNIV WESTERN ONTARIO | 8.75 | 43.38 |
| LONDON | 8.75 | 43.38 |
| RICHARD IVEY SCH BUSINESS | 7.50 | 38.63 |
| DEPT SUPPLY CHAIN MANAGEMENT | 5.00 | 19.29 |
| WAKE FOREST UNIV | 5.00 | 37.21 |
| ARIZONA STATE UNIV | 5.00 | 17.20 |
| BABCOCK GRAD SCH MANAGEMENT | 3.75 | 32.22 |
| COLL BUSINESS & ECON | 3.75 | 24.91 |
| MICHIGAN STATE UNIV | 3.75 | 10.05 |
| COLL BUSINESS | 3.75 | 9.29 |
| DEPAUL UNIV | 3.75 | 24.91 |
| ELI BROAD GRAD SCH MANAGEMENT | 3.75 | 13.78 |
| COLL BUSINESS ADM | 3.75 | 10.57 |
| UNIV NOTRE DAME | 2.50 | 12.52 |
| UNIV N CAROLINA | 2.50 | 7.77 |
| DEPT MANAGEMENT & MKT | 2.50 | 17.81 |
| UNIV UTAH | 2.50 | 14.31 |
| UNIV MINNESOTA | 2.50 | 7.00 |
| KENAN FLAGLER BUSINESS SCH | 2.50 | 9.02 |
| Country | f(%) | σ |
| Usa | 38.75 | 26.29 |
| Canada | 10.00 | 21.91 |
| England | 5.00 | 15.08 |
| Italy | 2.50 | 17.81 |
| Australia | 1.25 | 7.28 |
| Netherlands | 1.25 | 4.21 |
| Germany | 1.25 | 6.59 |
| Wales | 1.25 | 16.09 |
| South korea | 1.25 | 6.74 |
| Spain | 1.25 | 5.36 |
| Author | f(%) | σ |
| Menor LJ | 10.00 | 8.79 |
| Choi TY | 10.00 | 7.46 |
| Smunt TL | 8.75 | 28.98 |
| Shafer SM | 8.75 | 30.01 |
| Machuca JAD | 7.50 | 16.47 |
| Gonzalez-Zamora MD | 7.50 | 29.04 |
| Verma R | 7.50 | 6.62 |
| Aguilar-Escobar VG | 7.50 | 29.04 |
| Pilkington A | 6.25 | 10.80 |
| Laforge RL | 6.25 | 18.93 |

| Reference | f(%) | σ |
|--|-------|----------|
| Buffa e S, 1980, J OPERATIONS MANAGEM (1), 1 | 60.00 | 368.55 |
| Meredith j R, 1989, J OPERATIONS MANAGEM (8), 297 | 52.50 | 308.22 |
| Chase RB, 1980, J OPERATIONS MANAGEM (1), 9 | 51.25 | 354.71 |
| Scudder g D, 1998, Journal of Operations Management (16), 0 | 50.00 | 287.36 |
| Pannirselvam GP, 1999, J OPER MANAG (18), 95 | 48.75 | 327.78 |
| Amoako-gyampah K, 1989, J OPERATIONS MANAGEM (8), 250 | 47.50 | 333.29 |
| Miller JG, 1981, DECISION SCI (12), 547 | 40.00 | 295.85 |
| Swamidass PM, 1991, ACAD MANAGE REV (16), 793 | 36.25 | 192.67 |
| Flynn B B, 1990, J OPERATIONS MANAGEM (9), 250 | 33.75 | 107.68 |
| Barman S, 1991, J OPERATIONS MANAGEM (10), 194 | 32.50 | 236.14 |
| Malhotra MK, 1998, J OPER MANAG (16), 407 | 25.00 | 97.80 |
| Mabert VA, 1982, J OPERATIONS MANAGEM (2), 203 | 25.00 | 196.45 |
| Vokurka RJ, 1996, J OPERATIONS MANAGEM (14), 345 | 23.75 | 230.48 |
| Barman S, 2001, J OPER MANAG (19), 367 | 22.50 | 225.46 |
| Eisenhardt KM, 1989, ACAD MANAGE REV (14), 532 | 20.00 | 60.96 |
| Miller JG, 1994, MANAGE SCI (40), 285 | 20.00 | 55.38 |
| Young s T, 1996, J OPERATIONS MANAGEM (14), 41 | 18.75 | 163.30 |
| Goh C-H, 1997, J OPERATIONS MANAGEM (15), 123 | 18.75 | 206.24 |
| Meredith J, 1998, J OPER MANAG (16), 441 | 17.50 | 75.39 |
| Neely A, 1993, International Journal of Operations & Production Management (13), 0 | 17.50 | 138.78 |
| Schmenner RW, 1998, J OPER MANAG (17), 97 | 17.50 | 62.00 |
| Barney J, 1991, J MANAGE (17), 99 | 16.25 | 41.30 |
| Nie W, 1999, PROD OPER MANAG (8), 339 | 16.25 | 150.01 |
| Ferdows K, 1990, J OPERATIONS MANAGEM (9), 168 | 16.25 | 53.08 |
| Saladin b A, 1985, OPERATIONS MANAGEMEN (3), 3 | 15.00 | 122.63 |
| RefJournal | f(%) | σ |
| J OPER MANAG | 45.00 | 42.97 |
| J OPERATIONS MANAGEM | 42.50 | 52.93 |
| Journal of Operations Management | 35.00 | 50.22 |
| INT J OPER PROD MAN | 31.25 | 41.39 |
| DECISION SCI | 28.75 | 31.14 |
| MANAGE SCI | 27.50 | 18.55 |
| HARVARD BUS REV | 27.50 | 26.95 |
| ACAD MANAGE REV | 27.50 | 31.27 |
| PROD OPER MANAG | 21.25 | 18.48 |
| J MARKETING RES | 21.25 | 26.31 |

Table 2: The community 1 - “JOURNAL EVALUATION” contains $N = 4$ articles. Its average internal link weight is $< \omega_{in} > \simeq 1/1$

| Keyword | f(%) | tf-idf |
|---|--------|----------|
| JOURNAL EVALUATION | 18.60 | 1.23 |
| OPERATIONS MANAGEMENT | 30.23 | 1.12 |
| RESEARCH METHODS | 16.28 | 1.05 |
| CITATION ANALYSIS | 18.60 | 1.04 |
| PRODUCTION AND OPERATIONS MANAGEMENT (POM) | 11.63 | 0.97 |
| SOM RESEARCH | 11.63 | 0.88 |
| SOM CONTENT | 11.63 | 0.88 |
| JOURNAL RANKING | 11.63 | 0.87 |
| IMPACT FACTOR | 11.63 | 0.87 |
| PRODUCTION OPERATIONS MANAGEMENT | 11.63 | 0.87 |
| SURVEY RESEARCH | 16.28 | 0.72 |
| POM JOURNALS | 9.30 | 0.72 |
| RELEVANCE | 9.30 | 0.69 |
| OM HISTORY | 9.30 | 0.69 |
| PARTIAL LEAST SQUARES (PLS) | 9.30 | 0.65 |
| STRUCTURAL EQUATION MODELING (SEM) | 9.30 | 0.65 |
| EMPIRICAL RESEARCH METHODS | 16.28 | 0.65 |
| METHODOLOGY | 9.30 | 0.63 |
| SERVICE OPERATIONS MANAGEMENT | 11.63 | 0.55 |
| OPERATIONS MANAGEMENT RESEARCH | 4.65 | 0.39 |
| Subject | f(%) | σ |
| Management | 100.00 | 4.74 |
| Operations Research & Management Science | 100.00 | 0.00 |
| Journal | f(%) | σ |
| J OPER MANAG | 100.00 | 6.22 |

| Institution | f(%) | σ |
|-------------------------------------|-------|----------|
| DEPT MANAGEMENT | 9.30 | 14.33 |
| ARIZONA STATE UNIV | 9.30 | 23.61 |
| COLL BUSINESS | 6.98 | 12.87 |
| LONDON BUSINESS SCH | 6.98 | 28.75 |
| DEPT SUPPLY CHAIN MANAGEMENT | 6.98 | 19.79 |
| UNIV MINNESOTA | 4.65 | 9.72 |
| DEPT MANAGEMENT & INT BUSINESS | 4.65 | 62.30 |
| CARLSON SCH MANAGEMENT | 4.65 | 12.44 |
| WAKE FOREST UNIV | 4.65 | 25.37 |
| WP CAREY SCH BUSINESS | 4.65 | 14.16 |
| OPERAT & TECHNOL MANAGEMENT DEPT | 4.65 | 50.85 |
| COLL BUSINESS & ECON | 4.65 | 22.67 |
| SCH MANAGEMENT | 4.65 | 7.87 |
| UNIV PADUA | 2.33 | 25.41 |
| TEXAS A&M UNIV | 2.33 | 8.21 |
| N CAROLINA STATE UNIV | 2.33 | 10.01 |
| COLL BUSINESS & PUBL AFFAIRS | 2.33 | 31.13 |
| SUPPLY CHAIN MANAGEMENT DEPT | 2.33 | 25.41 |
| ELI BROAD GRAD SCH MANAGEMENT | 2.33 | 6.21 |
| COLL MANAGEMENT | 2.33 | 5.67 |
| Country | f(%) | σ |
| Usa | 30.23 | 14.85 |
| England | 9.30 | 20.74 |
| Italy | 2.33 | 12.14 |
| Greece | 2.33 | 14.62 |
| Cyprus | 2.33 | 25.41 |
| Spain | 2.33 | 7.43 |
| Author | f(%) | σ |
| Choi TY | 13.95 | 7.91 |
| Machuca JAD | 11.63 | 18.87 |
| Soteriou AC | 11.63 | 17.68 |
| Hadjinicola GC | 11.63 | 25.10 |
| Theoharakis V | 11.63 | 49.20 |
| Gonzalez-Zamora MD | 11.63 | 33.09 |
| Kirkwood CW | 11.63 | 32.36 |
| Aguilar-Escobar VG | 11.63 | 33.09 |
| Voss C | 11.63 | 13.52 |
| Stonebraker JS | 11.63 | 32.36 |

| Reference | f(%) | σ |
|--|-------|----------|
| Barman S, 2001, J OPER MANAG (19), 367 | 79.07 | 581.03 |
| Barman S, 1991, J OPERATIONS MANAGEM (10), 194 | 74.42 | 396.52 |
| Goh C-H, 1997, J OPERATIONS MANAGEM (15), 123 | 74.42 | 600.30 |
| Vokurka RJ, 1996, J OPERATIONS MANAGEM (14), 345 | 72.09 | 513.05 |
| Soteriou AC, 1999, J OPER MANAG (17), 225 | 60.47 | 618.50 |
| Chase RB, 1980, J OPERATIONS MANAGEM (1), 9 | 46.51 | 236.00 |
| Buffa e S, 1980, J OPERATIONS MANAGEM (1), 1 | 44.19 | 198.96 |
| Saladin b A, 1985, OPERATIONS MANAGEMEN (3), 3 | 44.19 | 264.99 |
| Malhotra MK, 1998, J OPER MANAG (16), 407 | 39.53 | 113.48 |
| Amoako-gyampah K, 1989, J OPERATIONS MANAGEM (8), 250 | 39.53 | 203.36 |
| Miller JG, 1981, DECISION SCI (12), 547 | 39.53 | 214.38 |
| Young s T, 1996, J OPERATIONS MANAGEM (14), 41 | 34.88 | 222.79 |
| Ansari A, 1992, INT J OPER PROD MAN (12), 56 | 32.56 | 542.20 |
| Goh CH, 1996, OMEGA-INT J MANAGE S (24), 337 | 32.56 | 542.20 |
| Meredith j R, 1989, J OPERATIONS MANAGEM (8), 297 | 32.56 | 140.10 |
| Olson JE, 2005, INTERFACES (35), 323 | 27.91 | 335.18 |
| Vastag G, 2002, OMEGA-INT J MANAGE S (30), 109 | 27.91 | 370.56 |
| Scudder g D, 1998, Journal of Operations Management (16), 0 | 27.91 | 117.54 |
| Swamidass PM, 1991, ACAD MANAGE REV (16), 793 | 27.91 | 108.72 |
| Gorman m F, 2005, MANUFACTURING SERVIC (7), 3 | 23.26 | 379.97 |
| Wacker JG, 1998, J OPER MANAG (16), 361 | 20.93 | 103.39 |
| Mabert VA, 1982, J OPERATIONS MANAGEM (2), 203 | 18.60 | 107.16 |
| Flynn B B, 1990, J OPERATIONS MANAGEM (9), 250 | 18.60 | 43.44 |
| Fornell C, 1981, J MARKETING RES (18), 39 | 18.60 | 29.13 |
| Anderson JC, 1995, DECISION SCI (26), 637 | 18.60 | 65.49 |
| RefJournal | f(%) | σ |
| J OPERATIONS MANAGEM | 37.21 | 33.92 |
| J OPER MANAG | 34.88 | 24.28 |
| DECISION SCI | 20.93 | 16.47 |
| INT J OPER PROD MAN | 20.93 | 20.18 |
| J MARKETING RES | 20.93 | 18.99 |
| OPERATIONS MANAGEMEN | 18.60 | 36.18 |
| OMEGA-INT J MANAGE S | 18.60 | 25.10 |
| Journal of Operations Management | 18.60 | 19.38 |
| MANAGE SCI | 16.28 | 7.71 |
| ACAD MANAGE J | 16.28 | 14.24 |