Tables

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# Review Articles

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|  | ID | Year | Article |
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| 286 | A147 | 2016 | M. Misic, Z. Siustran, and J. Protic, “A comparison of software tools for plagiarism detection in programming assignments,” Int. J. Eng. Educ., vol. 32, no. 2, pp. 738–748, 2016. |
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## Review Articles Missing Added manualy

|  |  |  |  |
| --- | --- | --- | --- |
|  | ID | Year | Article |
| 26 | A1 | 1976 | K. J. Ottenstein, “An algorithmic approach to the detection and prevention of plagiarism,” ACM SIGCSE Bull., vol. 8, no. 4, pp. 30–41, Dec. 1976. |
| 27 | A2 | 1995 | R. J. Leach, “Using metrics to evaluate student programs,” ACM SIGCSE Bull., vol. 27, no. 2, pp. 41–43, Jun. 1995. |
| 28 | A3 | 2001 | F. Culwin, A. Macleod, and T. Lancaster, “Source code plagiarism in UK HE computing schools,” in 2nd Annual LTSN-ICS Conference, 2001. |
| 29 | A4 | 2003 | S. Schleimer, D. S. Wilkerson, and A. Aiken, “Winnowing: local algorithms for document fingerprinting,” in Proceedings of the 2003 ACM SIGMOD international conference on on Management of data, 2003, pp. 76–85. |
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| 31 | A6 | 2014 | R. Fraser, “Collaboration, Collusion and Plagiarism in Computer Science Coursework,” Informatics Educ., vol. 13, no. 2, pp. 179–195, Sep. 2014. |
| 32 | A7 | 2016 | E. Flores, L. Moreno, and P. Rosso, “Detecting Source Code Re-Use with Ensemble Models,” in Proceedings of the 4th Spanish Conference on Information Retrieval, 2016, pp. 1–7. |
| 33 | A8 | 2016 | C. Ragkhitwetsagul, J. Krinke, and D. Clark, “Similarity of Source Code in the Presence of Pervasive Modifications,” in 2016 IEEE 16th International Working Conference on Source Code Analysis and Manipulation (SCAM), 2016, pp. 117–126. |
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# Top tools usage

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Tools | lastYear | firstYear | c | u | d | Total |
| Ottenstein | 1990 | 1980 | 2 | 0 | 0 | 2 |
| Donnaldson | 1990 | 1981 | 2 | 0 | 1 | 3 |
| Accuse | 1996 | 1981 | 2 | 0 | 1 | 3 |
| Plague | 1996 | 1990 | 3 | 0 | 1 | 4 |
| YAP3 | 2014 | 1996 | 2 | 3 | 1 | 6 |
| SIMfromGrune | 2014 | 1996 | 4 | 2 | 0 | 6 |
| CCFinder | 2015 | 2010 | 2 | 0 | 0 | 2 |
| CodeMatch | 2015 | 2014 | 2 | 0 | 0 | 2 |
| PMDsCPD | 2015 | 2010 | 2 | 2 | 0 | 4 |
| SherlockSydney | 2016 | 2014 | 2 | 1 | 0 | 3 |
| SID | 2016 | 2004 | 3 | 0 | 1 | 4 |
| Marble | 2016 | 2011 | 3 | 0 | 1 | 4 |
| SIM | 2016 | 1999 | 3 | 1 | 1 | 5 |
| Plaggie | 2016 | 2006 | 6 | 0 | 1 | 7 |
| SherlockWarwick | 2016 | 1999 | 4 | 4 | 1 | 9 |
| MOSS | 2016 | 1999 | 29 | 9 | 0 | 38 |
| jPlag | 2016 | 2002 | 37 | 5 | 1 | 43 |

|  |  |
| --- | --- |
| Name | Values |
| jPlag | A22, A23, A29, A30, A31, A32, A37, A38, A39, A42, A45, A54, A58, A59, A60, A63, A65, A75, A87, A88, A89, A94, A95, A96, A98, A102, A103, A107, A110, A114, A116, A119, A125, A128, A131, A132, A139, A141, A142, A143, A146, A147, A148, |
| MOSS | A16, A22, A23, A25, A26, A30, A37, A38, A58, A59, A61, A62, A63, A67, A75, A79, A82, A88, A89, A90, A92, A96, A102, A107, A108, A113, A116, A119, A125, A130, A134, A137, A141, A143, A146, A147, A148, A150, |
| SIMfromGrune | A13, A58, A59, A75, A112, A119, |
| Plaggie | A31, A75, A119, A141, A146, A147, A148, |
| SherlockWarwick | A18, A30, A58, A59, A84, A88, A146, A147, A148, |

# Algorithm analysis

## 1 standardAlgorithmCategorization

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Algorithm Type | Last year | First year | Number of articles | Tokenized |
| ParametrizedMathicng | NA | NA | 0 | 0 |
| Stylistic | 2016 | 2011 | 5 | 2 |
| Semantic | 2013 | 2010 | 7 | 5 |
| TextBased | 2016 | 1996 | 9 | 5 |
| Fingerprint | 2015 | 2005 | 11 | 4 |
| AttributeCounting | 2015 | 1980 | 25 | 6 |
| StructureBased | 2016 | 1980 | 25 | 13 |
| StringMatching | 2016 | 1981 | 26 | 17 |

## 2 newAlgorithmCategorization

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Algorithm Type | Last year | First year | Number of articles | Tokenized |
| Wathermarking | 2013 | 2005 | 2 | 0 |
| HistoryBased | 2016 | 2013 | 2 | 0 |
| XMLbased | 2012 | 2010 | 3 | 2 |
| CompiledCodeBased | 2015 | 2006 | 5 | 2 |
| CompressionBased | 2010 | 2004 | 6 | 5 |
| Graphs | 2015 | 2005 | 10 | 2 |
| Clustering | 2015 | 2005 | 11 | 7 |
| nGram | 2016 | 2006 | 15 | 9 |
| Trees | 2015 | 1988 | 24 | 8 |

## 3 commonAlgorithmsUsed and similairtyMeasures

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Algorithm Type | Last year | First year | Number of articles | Tokenized |
| CorelationCoeficient | 1998 | 1987 | 2 | 0 |
| OnlyRKR | 2012 | 2012 | 2 | 1 |
| LatentSemantic | 2012 | 2012 | 2 | 2 |
| OnlyGST | 2015 | 2013 | 2 | 2 |
| Winnowing | 2013 | 2012 | 3 | 2 |
| BasicStatistic | 1987 | 1980 | 4 | 1 |
| JaccardCoefficient | 2015 | 2005 | 4 | 3 |
| EuclidianDistance | 2014 | 2001 | 5 | 3 |
| LevensteinDistnce | 2016 | 2011 | 5 | 3 |
| RKRwithGST | 2016 | 1996 | 7 | 7 |
| OtherSimilarityMetric | 2016 | 1981 | 79 | 43 |

## listarticles for algorithm

|  |  |
| --- | --- |
| Name | Values |
| AttributeCounting | A1, A2, A3, A4, A5, A6, A8, A19, A20, A21, A28, A29, A55, A60, A63, A72, A73, A82, A91, A94, A97, A101, A109, A123, A140, |
| Fingerprint | A26, A54, A61, A63, A68, A69, A94, A97, A104, A118, A135, |
| StringMatching | A2, A5, A6, A11, A14, A17, A18, A22, A36, A46, A49, A50, A65, A70, A72, A78, A85, A96, A100, A101, A102, A104, A116, A139, A140, A143, |
| ParametrizedMathicng |  |
| TextBased | A14, A18, A24, A63, A87, A88, A94, A131, A149, |
| StructureBased | A1, A2, A10, A11, A30, A43, A45, A46, A51, A54, A60, A61, A63, A69, A71, A94, A95, A98, A104, A120, A138, A139, A141, A142, A149, |
| Stylistic | A80, A82, A120, A139, A149, |
| Semantic | A57, A61, A71, A87, A88, A104, A109, |
| nGram | A32, A37, A42, A54, A61, A63, A89, A94, A99, A104, A131, A137, A141, A143, A149, |
| Trees | A6, A8, A26, A27, A36, A43, A45, A54, A63, A65, A71, A83, A93, A94, A95, A98, A111, A113, A117, A118, A129, A133, A136, A142, |
| Graphs | A26, A43, A51, A57, A91, A102, A104, A111, A138, A142, |
| Clustering | A27, A29, A38, A42, A54, A82, A90, A99, A113, A128, A137, |
| HistoryBased | A105, A150, |
| XMLbased | A66, A83, A90, |
| CompiledCodeBased | A32, A44, A78, A108, A138, |
| CompressionBased | A23, A24, A28, A38, A48, A70, |
| Wathermarking | A25, A107, |
| OnlyGST | A101, A130, |
| OnlyRKR | A96, A100, |
| RKRwithGST | A14, A22, A50, A65, A103, A141, A145, |
| Winnowing | A94, A103, A104, |
| LatentSemantic | A87, A88, |
| BasicStatistic | A1, A2, A3, A4, |
| CorelationCoeficient | A4, A15, |
| LevensteinDistnce | A78, A93, A104, A116, A149, |
| EuclidianDistance | A20, A80, A82, A101, A120, |
| JaccardCoefficient | A29, A42, A54, A141, |
| OtherSimilarityMetric | A2, A3, A6, A8, A10, A11, A14, A15, A17, A18, A19, A21, A22, A23, A24, A26, A27, A28, A30, A32, A37, A38, A43, A44, A45, A46, A49, A50, A51, A55, A56, A57, A58, A60, A61, A63, A64, A65, A66, A68, A69, A70, A71, A72, A73, A83, A87, A89, A90, A92, A94, A95, A96, A97, A98, A99, A100, A101, A102, A103, A104, A108, A113, A116, A117, A118, A123, A127, A130, A131, A133, A135, A136, A137, A138, A140, A142, A143, A149, |

# articles that do some comparison

|  |  |
| --- | --- |
| Name | Values |
| ToolComparison | A1, A10, A11, A14, A18, A20, A22, A23, A25, A26, A29, A30, A31, A32, A37, A38, A39, A42, A45, A54, A58, A59, A60, A61, A63, A65, A67, A71, A82, A83, A87, A89, A90, A92, A94, A95, A96, A98, A102, A103, A107, A108, A113, A114, A116, A117, A128, A130, A131, A137, A139, A141, A142, A143, A146, A149, |
| OnlyToolComparisons | A9, A13, A28, A75, A119, A132, A147, A148, |

# comparison metircs analysis

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Comparison.Metric | lastYear | firstYear | Comparing | Developing |
| Selectivity | 1996 | 1990 | 2 | NA |
| ExcessDetections | 1996 | 1990 | 2 | NA |
| PerformanceIndex | 1996 | 1990 | 2 | NA |
| Sensitivity | 2011 | 1990 | 5 | 3 |
| Speed | 2015 | 1992 | 5 | 11 |
| F1 | 2016 | 2012 | 10 | 10 |
| Fbeta | 2016 | 2012 | 12 | 13 |
| Precision | 2016 | 1990 | 23 | 26 |
| Recall | 2016 | 1990 | 24 | 26 |
| Qualitatively | 2016 | 1980 | 47 | 84 |
| F2 | NA | NA | NA | 1 |
| SEPwithHFM | NA | NA | NA | 1 |
| HFM | NA | NA | NA | 1 |
| CorrelactionCoeficient | NA | NA | NA | 1 |

## articles that do some comparison by metric

|  |  |
| --- | --- |
| Name | Values |
| Fbeta | A87, A103, A107, A108, A128, A131, A132, A137, A139, A142, A143, A149, |
| F1 | A87, A103, A107, A131, A132, A137, A139, A142, A143, A149, |
| F2 |  |
| Precision | A9, A13, A22, A29, A32, A37, A38, A39, A54, A87, A89, A96, A103, A107, A108, A128, A131, A132, A137, A139, A142, A143, A149, |
| Recall | A9, A13, A22, A29, A32, A37, A38, A39, A54, A87, A89, A95, A96, A103, A107, A108, A128, A131, A132, A137, A139, A142, A143, A149, |
| SEPwithHFM |  |
| HFM |  |
| Sensitivity | A9, A13, A23, A63, A75, |
| Selectivity | A9, A13, |
| CorrelactionCoeficient |  |
| ExcessDetections | A9, A13, |
| PerformanceIndex | A9, A13, |
| Speed | A11, A45, A92, A102, A137, |
| Qualitatively | A1, A10, A11, A13, A14, A18, A20, A22, A23, A25, A26, A28, A29, A30, A31, A32, A42, A54, A58, A59, A60, A61, A63, A65, A67, A71, A75, A82, A83, A90, A94, A96, A98, A102, A103, A113, A114, A117, A119, A130, A131, A132, A137, A146, A147, A148, A149, |

## combinations of precision and recall

|  |  |
| --- | --- |
| Combination | freq |
| Precision | 23 |
| Recall | 24 |
| Fbeta | 12 |
| Precision and Recall | 23 |
| Precision and No Recall | 0 |
| Recall and No Precision | 1 |
| Recall and Precision No F-beta | 11 |
| Recall and Precision and F-beta | 12 |

# Dataset analysis

## numberOfArticlesUsingDatasetsTypeByDifferentArticlesIncluded

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| DatasetType | All | ToolDeveloped | ToolUsedOrDeveloped | ToolCompariosonOrOnlyComparison |
| PersonalGenOrStudDataset | 3 | 3 | 3 | NA |
| PersonalStudentDataset | 96 | 80 | 87 | 41 |
| PersonalGeneratedDataset | 45 | 39 | 43 | 27 |
| SOCO | 5 | 4 | 5 | 4 |
| ICPC | 2 | 2 | 2 | 1 |
| OtherDataset | 6 | 4 | 4 | 3 |

## comparisonArticlesByDatasetType

|  |  |
| --- | --- |
| Name | Values |
| PersonalGenOrStudDataset |  |
| PersonalStudentDataset | A1, A9, A10, A11, A13, A18, A22, A23, A25, A26, A29, A30, A32, A37, A38, A39, A42, A54, A58, A59, A75, A82, A87, A89, A90, A92, A96, A102, A107, A108, A114, A116, A117, A128, A130, A131, A137, A141, A142, A146, A147, |
| PersonalGeneratedDataset | A14, A18, A20, A22, A23, A26, A28, A29, A38, A58, A60, A61, A63, A65, A67, A71, A75, A94, A95, A98, A103, A113, A116, A117, A119, A130, A147, |
| SOCO | A132, A139, A143, A149, |
| ICPC | A95, |
| OtherDataset | A32, A45, A131, |

## programmingLanguages

|  |  |
| --- | --- |
| Name | Values |
| SupportsAlsoOthers | A10, A78, A95, |
| All | A26, A32, A36, A56, A64, A107, A128, A131, A143, A146, |
| Java | A16, A22, A23, A25, A30, A31, A32, A36, A42, A44, A45, A55, A56, A58, A59, A60, A63, A64, A75, A80, A83, A84, A87, A88, A89, A96, A98, A99, A101, A103, A113, A119, A120, A128, A129, A131, A132, A133, A136, A138, A139, A140, A141, A142, A143, A146, A149, A150, |
| C | A5, A11, A14, A16, A17, A21, A22, A27, A32, A36, A37, A39, A45, A46, A49, A50, A54, A56, A61, A64, A66, A67, A70, A72, A73, A82, A85, A90, A95, A97, A108, A109, A111, A113, A117, A118, A119, A120, A121, A123, A127, A131, A132, A135, A139, A141, A143, A145, A147, |
| Cpp | A15, A16, A18, A19, A22, A23, A26, A29, A38, A43, A49, A58, A59, A65, A67, A79, A82, A92, A93, A94, A95, A97, A105, A108, A114, A117, A121, A130, A131, A132, A140, A141, A147, |
| Csharp | A78, A97, A146, |
| Pascal | A3, A4, A6, A8, A9, A10, A11, A13, A16, A18, A50, A62, |
| Fortran | A1, A2, |
| PHP | A56, A64, A141, A146, |
| JavaScript | A109, A146, |
| CSS | A146, |
| HTML | A146, |
| PERL |  |
| Python | A56, A64, A131, A141, A150, |
| COBOL | A2, A20, |
| ANSI\_C | A102, |
| Scheme | A22, |
| R | A116, |
| BASIC | A2, |
| VisualBasic | A28, A137, |
| Haskel | A56, A64, A104, |
| SML | A51, |
| Matlab | A97, A112, |
| Prolog | A51, |
| Lisp | A11, A50, |
| DLV | A69, |
| Miranda | A18, |
| VHDL | A24, |
| APL2 | A47, |
| Assembly | A46, A147, |
| UnixShell | A18, A56, A64, |

## programmingLanguagesPerYear

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Year | Java | C | Cpp | Pascal | Python | PHP | Csharp | VisualBasic | Haskel | UnixShell |
| 1981 | NA | NA | NA | 1 | NA | NA | NA | NA | NA | NA |
| 1987 | NA | NA | NA | 1 | NA | NA | NA | NA | NA | NA |
| 1988 | NA | 1 | NA | 1 | NA | NA | NA | NA | NA | NA |
| 1990 | NA | NA | NA | 3 | NA | NA | NA | NA | NA | NA |
| 1992 | NA | 1 | NA | 1 | NA | NA | NA | NA | NA | NA |
| 1996 | NA | 1 | NA | 1 | NA | NA | NA | NA | NA | NA |
| 1998 | NA | NA | 1 | NA | NA | NA | NA | NA | NA | NA |
| 1999 | 1 | 2 | 2 | 2 | NA | NA | NA | NA | NA | 1 |
| 2000 | NA | NA | 1 | NA | NA | NA | NA | NA | NA | NA |
| 2002 | 1 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA |
| 2004 | 1 | NA | 1 | NA | NA | NA | NA | NA | NA | NA |
| 2005 | 2 | 1 | 2 | NA | NA | NA | NA | 1 | NA | NA |
| 2006 | 3 | 2 | NA | NA | NA | NA | NA | NA | NA | NA |
| 2007 | NA | 1 | 1 | NA | NA | NA | NA | NA | NA | NA |
| 2008 | 3 | 3 | 1 | NA | NA | NA | NA | NA | NA | NA |
| 2009 | NA | 3 | 1 | 1 | NA | NA | NA | NA | NA | NA |
| 2010 | 7 | 8 | 4 | 1 | 2 | 2 | NA | NA | 2 | 2 |
| 2011 | 2 | NA | 1 | NA | NA | NA | 1 | NA | NA | NA |
| 2012 | 8 | 5 | 6 | NA | NA | NA | 1 | NA | NA | NA |
| 2013 | 3 | 4 | 2 | NA | NA | NA | NA | NA | 1 | NA |
| 2014 | 2 | 7 | 3 | NA | NA | NA | NA | NA | NA | NA |
| 2015 | 11 | 5 | 5 | NA | 2 | 1 | NA | 1 | NA | NA |
| 2016 | 4 | 3 | 1 | NA | 1 | 1 | 1 | NA | NA | NA |
| Total | 48 | 49 | 33 | 12 | 5 | 4 | 3 | 2 | 3 | 3 |

## top cited articles

|  |  |  |
| --- | --- | --- |
| AnalysisID | Year | ScolarCitationSum |
| A22 | 2002 | 549 |
| A14 | 1996 | 325 |
| A23 | 2004 | 259 |
| A18 | 1999 | 198 |
| A17 | 1999 | 196 |
| A7 | 1989 | 150 |
| A4 | 1987 | 138 |
| A13 | 1996 | 131 |
| A9 | 1990 | 124 |
| A3 | 1981 | 119 |
| A11 | 1992 | 114 |
| A2 | 1981 | 105 |
| A6 | 1988 | 96 |
| A20 | 2001 | 78 |
| A95 | 2012 | 71 |
| A37 | 2007 | 68 |
| A32 | 2006 | 67 |
| A31 | 2006 | 65 |
| A40 | 2008 | 62 |
| A87 | 2012 | 60 |
| A16 | 1999 | 55 |
| A25 | 2005 | 53 |
| NA | Number of articles | 22 |

## apya$articlesInDatabaseCombination(mydata.filtered,c("Scopus","WOS","IEEE"))

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| AnalysisID | Year | ScolarCitationSum | Scopus | WOS | IEEE |
| A23 | 2004 | 259 | 1 | 1 | 1 |
| A18 | 1999 | 198 | 1 | 1 | 1 |
| A40 | 2008 | 62 | 1 | 1 | 1 |
| A87 | 2012 | 60 | 1 | 1 | 1 |
| A46 | 2008 | 46 | 1 | 1 | 1 |
| A86 | 2012 | 38 | 1 | 1 | 1 |
| A47 | 2009 | 21 | 1 | 1 | 1 |
| A50 | 2009 | 18 | 1 | 1 | 1 |
| A76 | 2011 | 15 | 1 | 1 | 1 |
| A38 | 2007 | 13 | 1 | 1 | 1 |
| A52 | 2009 | 8 | 1 | 1 | 1 |
| A94 | 2012 | 8 | 1 | 1 | 1 |
| A85 | 2012 | 7 | 1 | 1 | 1 |
| A106 | 2013 | 7 | 1 | 1 | 1 |
| A108 | 2013 | 6 | 1 | 1 | 1 |
| A44 | 2008 | 5 | 1 | 1 | 1 |
| A71 | 2010 | 5 | 1 | 1 | 1 |
| A92 | 2012 | 5 | 1 | 1 | 1 |
| A49 | 2009 | 4 | 1 | 1 | 1 |
| A101 | 2013 | 4 | 1 | 1 | 1 |
| A112 | 2013 | 4 | 1 | 1 | 1 |
| A91 | 2012 | 3 | 1 | 1 | 1 |
| A118 | 2014 | 3 | 1 | 1 | 1 |
| A113 | 2013 | 2 | 1 | 1 | 1 |
| A117 | 2014 | 2 | 1 | 1 | 1 |
| A83 | 2012 | 1 | 1 | 1 | 1 |
| A121 | 2014 | 0 | 1 | 1 | 1 |
| A128 | 2015 | 0 | 1 | 1 | 1 |

## apya$articlesInDatabaseCombination(mydata.filtered,c("Scopus","WOS","ACM"))

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| AnalysisID | Year | ScolarCitationSum | Scopus | WOS | ACM |
| A18 | 1999 | 198 | 1 | 1 | 1 |
| A17 | 1999 | 196 | 1 | 1 | 1 |
| A4 | 1987 | 138 | 1 | 1 | 1 |
| A6 | 1988 | 96 | 1 | 1 | 1 |
| A37 | 2007 | 68 | 1 | 1 | 1 |
| A40 | 2008 | 62 | 1 | 1 | 1 |
| A87 | 2012 | 60 | 1 | 1 | 1 |
| A25 | 2005 | 53 | 1 | 1 | 1 |
| A47 | 2009 | 21 | 1 | 1 | 1 |
| A103 | 2013 | 20 | 1 | 1 | 1 |
| A50 | 2009 | 18 | 1 | 1 | 1 |
| A59 | 2010 | 17 | 1 | 1 | 1 |
| A102 | 2013 | 17 | 1 | 1 | 1 |
| A63 | 2010 | 15 | 1 | 1 | 1 |
| A76 | 2011 | 15 | 1 | 1 | 1 |
| A38 | 2007 | 13 | 1 | 1 | 1 |
| A27 | 2005 | 10 | 1 | 1 | 1 |
| A94 | 2012 | 8 | 1 | 1 | 1 |
| A106 | 2013 | 7 | 1 | 1 | 1 |
| A108 | 2013 | 6 | 1 | 1 | 1 |
| A44 | 2008 | 5 | 1 | 1 | 1 |
| A71 | 2010 | 5 | 1 | 1 | 1 |
| A69 | 2010 | 4 | 1 | 1 | 1 |
| A137 | 2015 | 3 | 1 | 1 | 1 |
| A83 | 2012 | 1 | 1 | 1 | 1 |

## apya$articlesInDatabaseCombination(mydata.filtered,c("Scopus","WOS","ACM","IEEE")

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| AnalysisID | Year | ScolarCitationSum | Scopus | WOS | ACM | IEEE |
| A18 | 1999 | 198 | 1 | 1 | 1 | 1 |
| A40 | 2008 | 62 | 1 | 1 | 1 | 1 |
| A87 | 2012 | 60 | 1 | 1 | 1 | 1 |
| A47 | 2009 | 21 | 1 | 1 | 1 | 1 |
| A50 | 2009 | 18 | 1 | 1 | 1 | 1 |
| A76 | 2011 | 15 | 1 | 1 | 1 | 1 |
| A38 | 2007 | 13 | 1 | 1 | 1 | 1 |
| A94 | 2012 | 8 | 1 | 1 | 1 | 1 |
| A106 | 2013 | 7 | 1 | 1 | 1 | 1 |
| A108 | 2013 | 6 | 1 | 1 | 1 | 1 |
| A44 | 2008 | 5 | 1 | 1 | 1 | 1 |
| A71 | 2010 | 5 | 1 | 1 | 1 | 1 |
| A83 | 2012 | 1 | 1 | 1 | 1 | 1 |