**SUPPLEMENTARY DOCUMENT**

1. **DOLAP papers and their citation counts**

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| --- | --- | --- | --- |
| **Conference Name** | **Year** | **Paper Counts** | **Citation Counts** |
| 1st ACM International Workshop on Data Warehousing and OLAP, DOLAP 1998 | 1998 | 12 | 269 |
| 2nd ACM International Workshop on Data Warehousing and OLAP, DOLAP 1999 | 1999 | 15 | 460 |
| 3rd ACM International Workshop on Data Warehousing and OLAP, DOLAP 2000 | 2000 | 10 | 139 |
| DOLAP 2001: ACM Fourth International Workshop on Data Warehousing and OLAP: in conjuction with the Tenth International Conference on Information and Knowledge Management (CIKM 2001) | 2001 | 12 | 225 |
| DOLAP 2002: ACM Fifth International Workshop on Data Warehousing and OLAP | 2002 | 11 | 524 |
| DOLAP 2003: Proceedings of the Sixth ACM International Workshop on Data Warehousing and OLAP | 2003 | 12 | 247 |
| DOLAP 2004: Proceedings of the Seventh ACM International Workshop on Data Warehousing and OLAP | 2004 | 15 | 522 |
| 8th ACM International Workshop on Data Warehousing and OLAP, DOLAP 2005 | 2005 | 12 | 544 |
| DOLAP 2006: ACM 9th International Workshop on Data Warehousing and OLAP | 2006 | 13 | 425 |
| DOLAP 2007: ACM 10th International Workshop on Data Warehousing and OLAP | 2007 | 16 | 334 |
| DOLAP 2008: ACM 11th International Workshop on Data Warehousing and OLAP | 2008 | 12 | 176 |
| DOLAP 2009: ACM 12th International Workshop on Data Warehousing and OLAP | 2009 | 13 | 308 |
| DOLAP 2010: ACM 13th International Workshop on Data Warehousing and OLAP | 2010 | 16 | 168 |
| DOLAP 2011: ACM 14th International Workshop on Data Warehousing and OLAP | 2011 | 15 | 419 |
| 15th ACM International Workshop on Data Warehousing and OLAP, DOLAP 2012 - Co-located with CIKM 2012 | 2012 | 18 | 118 |
| DOLAP 2013 - Proceedings of the 16th ACM International Workshop on Data Warehousing and OLAP, Co-located with the 22nd ACM International Conference on Information and Knowledge Management, CIKM 2013 | 2013 | 14 | 209 |
| 17th ACM International Workshop on Data Warehousing and OLAP, DOLAP 2014 | 2014 | 13 | 145 |
| 18th ACM International Workshop on Data Warehousing and OLAP, DOLAP 2015 | 2015 | 12 | 119 |
| 2017 Workshops of the International Conference on Extending Database Technology and the International Conference on Database Theory, EDBT/ICDT 2017 | 2017 | 10 | 17 |
| 20th International Workshop on Design, Optimization, Languages and Analytical Processing of Big Data, DOLAP 2018 | 2018 | 11 | 15 |
| 21st International Workshop on Design, Optimization, Languages and Analytical Processing of Big Data, DOLAP 2019 | 2019 | 13 | 13 |
| 22nd International Workshop on Design, Optimization, Languages and Analytical Processing of Big Data, DOLAP 2020 | 2020 | 13 | 38 |
| 23rd International Workshop on Design, Optimization, Languages and Analytical Processing of Big Data, DOLAP 2021 | 2021 | 14 | 28 |
| 24th International Workshop on Design, Optimization, Languages and Analytical Processing of Big Data, DOLAP 2022 | 2022 | 12 | 10 |
| 25th International Workshop on Design, Optimization, Languages and Analytical Processing of Big Data, DOLAP 2023 | 2023 | 14 | 0 |
| **The papers in Total** | | **328** | **5472** |
| Regular papers, Invited talk papers, Short papers, Keynote papers | | |  |
| Information source: https://dblp.org/db/conf/dolap/index.html | | |  |

1. **Top 20 Influential DOLAP papers**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Title** | **Authors** | **Year** | **Citation Counts** | | | **DOI** |
| **Scopus** | **Google Scholar** | **ACM** |
| *Conceptual modeling for ETL processes* | Vassiliadis P.; Simitsis A.; Skiadopoulos S. | 2002 | 281 | 682 | 223 | 10.1145/583890.583893 |
| *Analytics over large-scale multidimensional data: The big data revolution!* | Cuzzocrea A.; Song I.-Y.; Davis K.C. | 2011 | 258 | 490 | 204 | 10.1145/2064676.2064695 |
| *Beyond data warehousing: What's next in business intelligence?* | Golfarelli M.; Rizzi S.; Cella I. | 2004 | 207 | 574 | 133 | 10.1145/1031763.1031765 |
| *starER: A conceptual model for data warehouse design* | Tryfona N.; Busborg F.; Christiansen J.G.B. | 1999 | 181 | 392 | 112 | 10.1145/319757.319776 |
| *Goal-oriented requirement analysis for data warehouse design* | Giorgini P.; Rizzi S.; Garzetti M. | 2005 | 159 | 287 | 124 | 10.1145/1097002.1097011 |
| *Research in data warehouse modeling and design: Dead or alive?* | Rizzi S.; Abelló A.; Lechtenbörger J.; Trujillo J. | 2006 | 153 | 324 | 125 | 10.1145/1183512.1183515 |
| *A methodological framework for data warehouse design* | Golfarelli M.; Rizzi S. | 1998 | 145 | 354 | 111 | 10.1145/294260.294261 |
| *Data Warehousing and OLAP over Big Data: Current challenges and future research directions* | Cuzzocrea A.; Bellatreche L.; Song I.-Y. | 2013 | 112 | 181 | 82 | 10.1145/2513190.2517828 |
| *Data warehouse design from XML sources* | Golfarelli M.; Rizzi S.; Vrdoljak B. | 2001 | 91 | 177 | 68 | 10.1145/512236.512242 |
| *Designing ETL processes using semantic web technologies* | Skoutas D.; Simitsis A. | 2006 | 83 | 141 | 67 | 10.1145/1183512.1183526 |
| *Automating multidimensional design from ontologies* | Romero O.; Abelló A. | 2007 | 78 | 144 | 70 | 10.1145/1317331.1317333 |
| *Updating OLAP dimensions* | Hurtado C.A.; Mendelzon A.O.; Vaisman A.A. | 1999 | 77 | 157 | 54 | 10.1145/319757.319791 |
| *Deriving initial data warehouse structures from the conceptual data models of the underlying operational information systems* | Boehnlein M.; Ulbrich-Vom Ende A. | 1999 | 73 | 152 | 55 | 10.1145/319757.319780 |
| *Defining ETL worfklows using BPMN and BPEL* | El Akkaoui Z.; Zimányi E. | 2009 | 71 | 126 | 50 | 10.1145/1651291.1651299 |
| *XCube - XML for data warehouses* | Hümmer W.; Bauer A.; Harde G. | 2003 | 69 | 139 | 34 | 10.1145/956060.956067 |
| *A personalization framework for OLAP queries* | Bellatreche L.; Giacometti A.; Marcel P.; Mouloudi H.; Laurent D. | 2005 | 69 | 134 | 65 | 10.1145/1097002.1097005 |
| *Applying MDA to the development of data warehouses* | Mazón J.-N.; Trujillo J.; Serrano M.; Piattini M. | 2005 | 69 | 121 | 46 | 10.1145/1097002.1097012 |
| *Big graph analytics: The state of the art and future research agenda* | Cuzzocrea A.; Song I.-Y. | 2014 | 60 | 66 | 34 | 10.1145/2666158.2668454 |
| *On querying versions of multiversion data warehouse* | Morzy T.; Wrembel R. | 2004 | 59 | 110 | 36 | 10.1145/1031763.1031781 |
| *Mapping conceptual to logical models for ETL processes* | Simitsis A. | 2005 | 59 | 131 | 41 | 10.1145/1097002.1097014 |

1. **Core DOLAP researchers in the network**

|  |  |  |  |
| --- | --- | --- | --- |
| **No** | **Author** | **Degree** | **Betweenness Centralization** |
| 1 | Rizzi, Stefano | 39 | 0.05604 |
| 2 | Marcel, Patrick | 37 | 0.04206 |
| 3 | Pedersen, Torben Bach | 25 | 0.02842 |
| 4 | Abelló, Alberto | 24 | 0.04067 |
| 5 | Vassiliadis, Panos | 24 | 0.03298 |
| 6 | Peralta, Verónika | 22 | 0.00650 |
| 7 | Bellatreche, Ladjel | 22 | 0.02868 |
| 8 | Trujillo, J. | 18 | 0.03238 |
| 9 | Labroche, Nicolas | 18 | 0.00605 |
| 10 | Song, Il-Yeol | 17 | 0.02642 |
| 11 | Bimonte, S. | 16 | 0.01208 |
| 12 | Golfarelli, Matteo | 14 | 0.00154 |
| 13 | Mazón, Jose-Norberto | 13 | 0.00688 |
| 14 | Romero, Oscar | 13 | 0.03745 |
| 15 | Chanson, Alexandre | 12 | 0.00125 |
| 16 | Boussaid, Omar | 11 | 0.01061 |
| 17 | Simitsis, Alkis | 11 | 0.01801 |
| 18 | Lehner, W. | 11 | 0.01061 |
| 19 | Cuzzocrea, Alfredo | 10 | 0.01212 |
| 20 | Ordonez, Carlos | 10 | 0.00481 |
| 21 | Favre, Cécile | 10 | 0.00028 |
| 22 | Thomsen, Christian | 10 | 0.00647 |
| 23 | Wrembel, Robert | 9 | 0.00016 |
| 24 | Aligon, Julien | 8 | 0.00669 |
| 25 | Bentayeb, Fadila | 8 | 0.00004 |
| 26 | Missaoui, Rokia | 8 | 0.01820 |
| 27 | Uflacker, Matthias | 7 | 0.00000 |
| 28 | Darmont, Jérôme1 | 7 | 0.00000 |
| 29 | Davis, Karen C. | 7 | 0.00674 |
| 30 | Boissier, Martin | 7 | 0.00000 |