序号 No	文献 Articles
1	数据库历史 Database History - M. Stonebraker, et al., Intel "Big Data" Science And Technology Center Vision And Execution Plan, SIGMOD Record, 2013. - Magdalena Balazinska. Big Data Research: Will Industry Solve all the Problems? VLDB, 2015. - Goetz Graefe, et. al. In-Memory Performance for Big Data. VLDB, 2014. - Jose Picado, Willis Lang, Edward C. Thayer. Survivability of Cloud Databases - Factors and Prediction. ACM SIGMOD, 2018.
2	分布式数据库查询引擎 DDB Query Engine - Jana Gicevax Gustavo Alonsox Timothy Roscoex Tim Harris. Deployment of Query Plans on Multicores. VLDB, 2014. - Dinesh Das, et. al. Query Optimization in Oracle 12c Database In-Memory. VLDB, 2015.
3	数据分布存储 DB Storage - J.C. Corbett, et al. Spanner: Google's Globally-Distributed Database. OSDI, 2012. - A. Lakshman. Cassandra - A Decentralized Structured Storage System. SIGOPS Operating Systems Review, 2010. - N. Bronson, et al. TAO: Facebook's Distributed Data Store For The Social Graph. USENIX ATC, 2013. - L. Qiao, et al. On Brewing Fresh Espresso: Linkedin's Distributed Data Serving Platform. SIGMOD, 2013. - J. Shute, et al. F1: A Distributed SQL Database That Scales. VLDB, 2013. - A. Pavlo, et al. Skew-Aware Automatic Database Partitioning In Shared-Nothing. Parallel OLTP Systems, SIGMOD, 2012. - C. Curino, et al. Schism: A Workload-Driven Approach To Database Replication And Partitioning. VLDB, 2010. - Vivek Narasayya Ishai Menache Mohit Singh Feng Li Manoj Syamala Surajit Chaudhuri. Sharing Buffer Pool Memory in Multi-Tenant Relational Database-as-a-Service. VLDB, 2015. - Niloy Mukherjee, et. al. Distributed Architecture of Oracle Database In-memory. VLDB, 2015.

	- **Alexandre Verbitski, etc. Amazon Aurora: Design Considerations for High Throughput Cloud-Native Relational Databases. SIGMOD 2017.** - **Tuomas Pelkonen, etc. Gorilla: A Fast, Scalable, In-Memory Time Series Database. VLDB 2015.**
4	**查询处理与优化 Query Processing and Optimization** - **Immanuel Trummer and Christoph Koch. Multi-Objective Parametric Query Optimization. VLDB, 2014. (**pdf**)** - **Yael Amsterdamer, Anna Kukliansky, Tova Milo. A Natural Language Interface for Querying General and Individual Knowledge. VLDB, 2014**
5	**事务处理 Transaction Processing** - **A. Thomson, et al. Calvin: Fast Distributed Transactions For Partitioned Database Systems. SIGMOD, 2012.** - **Umar Farooq Minhas, Shriram Rajagopalan, Brendan Cully, Ashraf Aboulnaga, Kenneth Salem, Andrew Warfield. RemusDB: Database high availability using virtualization. VLDB, pp 29-45, 2011.** - **Jose M. Faleiro, Daniel J. Abadi. Rethinking serializable multiversion concurrency control. VLDB, 2015.** - **Chao Xie, etc. Salt: Combining ACID and BASE in a Distributed Database. OSDI 2014.**
6	**NoSQL and NewSQL** - **Rick Cattell. Scalable SQL and NoSQL Data Stores. SIGMOD Record, 39(4), 2010.** - **M. Stonebraker, et al. SQL Databases v. NoSQL Databases, Communications of the ACM, 2010.** - **B. Cooper, et al. PNUTS: Yahoo!'s Hosted Data Serving Platform, VLDB, 2008.** - **Werner Vogels. Eventually Consistent, ACM Queue, 2009.** - **F. Chang, et al. Bigtable: A Distributed Storage System For Structured Data, OSDI, 2006.** - **J. Baker, et al. MegaStore: Providing Scalable, Highly Available Storage For Interactive Services, CIDR, 2011.** - **M.Stonebraker. New Opportunities For NewSQL, Communications of the ACM, 2012.**