Abdelhamid, Ahmed S.
  1406  Cruncher: Distributed In-Memory Processing for Location-Based Services

Abedjan, Ziawasch
  1134  DataXFormer: A Robust Transformation Discovery System
  1432  Data Profiling

Aboulnaga, Ashraf
  181  NoSE: Schema Design for NoSQL Applications
  1322  ALEX: Automatic Link Exploration in Linked Data

Aggarwal, Charu
  385  An Embedding Approach to Anomaly Detection
  481  Efficient Handling of Concept Drift and Concept Evolution Over Stream Data
  553  Link Prediction in Graph Streams
  1038  Edge Classification in Networks

Ailamaki, Anastasia
  673  TRANSFORMERS: Robust Spatial Joins on Non-Uniform Data Distributions

Akutsu, Tatsuya
  1558  Similar Subtree Search Using Extended Tree Inclusion

Alex, Daley
  1182  SQL-SA for Big Data Discovery: Polymorphic and Parallelizable SQL User-Defined Scalar and Aggregate Infrastructure in Teradata Aster 6.20

A continues on next page…
Alghamdi, Rami
  445  On Main-Memory Flushing in Microblogs Data Management Systems

Alkan, Ozrun Kirmemis
  1472  CRoM and HuspExt: Improving Efficiency of High Utility Sequential Pattern Extraction

Allard, Tristan
  1370  A New Privacy-Preserving Solution for Clustering Massively Distributed Personal Times-Series

Almalawi, Abdulmohsen
  1572  kNNVWC: An Efficient k-Nearest Neighbours Approach Based on Various-Widths Clustering

Al Omari, Awny
  1182  SQL-SA for Big Data Discovery: Polymorphic and Parallelizable SQL User-Defined Scalar and Aggregate Infrastructure in Teradata Aster 6.20

Aly, Ahmed M.
  1406  Cruncher: Distributed In-Memory Processing for Location-Based Services

Ammar, Nariman
  1570  XACML Policy Evaluation with Dynamic Context Handling

Anderson, Michael R.
  577  Input Selection for Fast Feature Engineering
  1326  A Query System for Social Media Signals

Antenucci, Dolan
  1326  A Query System for Social Media Signals

A continues on next page…
Aref, Walid G.
  1378  ORLF: A Flexible Framework for Online Record Linkage and Fusion
  1406  Cruncher: Distributed In-Memory Processing for Location-Based Services
  1448  Similarity Group-By Operators for Multi-Dimensional Relational Data

Atallah, Mikhail J.
  1448  Similarity Group-By Operators for Multi-Dimensional Relational Data

Atnafu, Feven
  1182  SQL-SA for Big Data Discovery: Polymorphic and Parallelizable SQL User-Defined Scalar and Aggregate Infrastructure in Teradata Aster 6.20
Bagnall, Anthony
1548 Time-Series Classification with COTE: The Collective of Transformation-Based Ensembles

Bahri, Leila
1330 Beat the DIVa — Decentralized Identity Validation for Online Social Networks

Bao, Zhifeng
61 Crowdsourced POI Labelling: Location-Aware Result Inference and Task Assignment
883 Crowdsourcing-Based Real-Time Urban Traffic Speed Estimation: From Trends to Speeds
1576 Top-k Spatio-Textual Similarity Join

Baron, Michael
481 Efficient Handling of Concept Drift and Concept Evolution Over Stream Data

Basalamah, Saleh
1406 Cruncher: Distributed In-Memory Processing for Location-Based Services

Basu Roy, Senjuti
1574 Fast Best-Effort Search on Graphs with Multiple Attributes

Benoist, Thierry
918 ClEveR: Clustering Events with High Density of True-to-False Occurrence Ratio

Berti-Équille, Laure
1418 Scaling Up Truth Discovery

Bertino, Elisa
373 Practical Privacy-Preserving User Profile Matching in Social Networks
1570 XACML Policy Evaluation with Dynamic Context Handling

B continues on next page...
Bhowmick, Sourav S.
1532  Structure-Preserving Subgraph Query Services

Bian, Wei
1512  Diversified Hidden Markov Models for Sequential Labeling

Bikakis, Nikos
1342  graphVizdb: A Scalable Platform for Interactive Large Graph Visualization

Bin Suhaim, Saad
1366  ANALOC: Efficient ANAlytics Over LOCation Based Services

Böhlen, Michael
1382  TemProRA: Top-k Temporal-Probabilistic Results Analysis

Böhm, Klemens
1544  Improving Accuracy and Robustness of Self-Tuning Histograms by Subspace Clustering

Bordawekar, Rajesh R.
1428  Accelerating Database Workloads by Software-Hardware-System Co-Design

Bostrom, Aaron
1548  Time-Series Classification with COTE: The Collective of Transformation-Based Ensembles

Böttcher, Stefan
1026  Incremental Updates on Compressed XML

Bouguettaya, Athman
373  Practical Privacy-Preserving User Profile Matching in Social Networks

Bourhis, Pierre
779  Analyzing Data-Centric Applications: Why, What-If, and How-To

B continues on next page…
Boutet, Antoine
  241  Being Prepared in a Sparse World: The Case of KNN Graph Construction

Bu, Yingyi
  1263  Using SSDs to Scale up Google Fusion Tables, a Database-in-the-Cloud

Bugiotti, Francesca
  1394  Flexible Hybrid Stores: Constraint-Based Rewriting to the Rescue

Buoncristiano, Marcello
  1146  Joint Repairs for Web Wrappers

Bursztyn, Damian
  1394  Flexible Hybrid Stores: Constraint-Based Rewriting to the Rescue
C

Cafarella, Michael
   469  HAWK: Hardware Support for Unstructured Log Processing
   577  Input Selection for Fast Feature Engineering
   755  Visualization-Aware Sampling for Very Large Databases
  1326  A Query System for Social Media Signals
  1444  Dark Data: Are We Solving the Right Problems?

Cai, Hongyun
   1538  Indexing Evolving Events from Tweet Streams

Cai, Yilun
   1530  Maximizing a Record’s Standing in a Relation

Cai, Ying
   337  Authentication of Function Queries

Candan, K. Selçuk
   835  2PCP: Two-Phase CP Decomposition for Billion-Scale Dense Tensors

Canuto, Sergio
   1518  A Practical and Effective Sampling Selection Strategy for Large Scale Deduplication

Cao, Jianneng
   859  Fuzzy Trajectory Linking

Cao, Wei
   978  Automatic User Identification Method Across Heterogeneous Mobility Data Sources

C continues on next page…
Cao, Xin
649  Accelerating Large Scale Centroid-Based Clustering with Locality Sensitive Hashing

Carminati, Barbara
1330  Beat the DIVa — Decentralized Identity Validation for Online Social Networks

Carter, Andrew
1206  Moolle: Fan-Out Control for Scalable Distributed Data Stores

Castro Fernandez, Raul
1390  Java2SDG: Stateful Big Data Processing for the Masses

Cha, Sang K.
743  Collaborative Analytics for Data Silos

Chakraborty, Abhirup
1182  SQL-SA for Big Data Discovery: Polymorphic and Parallelizable SQL User-Defined Scalar and Aggregate Infrastructure in Teradata Aster 6.20

Chakraborty, Tanmoy
397  Cross-Layer Betweenness Centrality in Multiplex Networks with Applications

Chandramouli, Badrish
457  ICE: Managing Cold State for Big Data Applications

Chang, Kevin Chen-Chuan
277  Semantic Proximity Search on Graphs with Metagraph-Based Learning
1002  Learning to Query: Focused Web Page Harvesting for Entity Aspects

C continues on next page...
Chang, Lijun
85  Computing Connected Components with Linear Communication Cost in Pregel-Like Systems
157  Scalable Supergraph Search in Large Graph Databases
253  pSCAN: Fast and Exact Structural Graph Clustering

Chatterjee, Shankha
1398  WatCA: The Waterloo Consistency Analyzer

Chatzimilioudis, Georgios
1470  Privacy-Preserving Indoor Localization on Smartphones
1490  Distributed In-Memory Processing of All k Nearest Neighbor Queries

Chavan, Shasank
1298  Fault-Tolerant Real-Time Analytics with Distributed Oracle Database In-Memory

Cheema, Muhammad Aamir
1110  Efficiently Computing Reverse k Furthest Neighbors
1414  Indoor Data Management
1572  kNNVWC: An Efficient k-Nearest Neighbours Approach Based on Various-Widths Clustering

Chen, Arbee L.P.
1550  A Framework for Enabling User Preference Profiling Through Wi-Fi Logs

C continues on next page...
<table>
<thead>
<tr>
<th>Name</th>
<th>Pages</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chen, Gang</td>
<td>767, 1218</td>
<td>Answering Why-Not Questions on Metric Probabilistic Range Queries</td>
</tr>
<tr>
<td></td>
<td>1500</td>
<td>Personal Recommendation Using Deep Recurrent Neural Networks in NetEase</td>
</tr>
<tr>
<td>Chen, Hsinchun</td>
<td>1458</td>
<td>NATERGM: A Model for Examining the Role of Nodal Attributes in Dynamic Social Media Networks</td>
</tr>
<tr>
<td>Chen, Jinchuan</td>
<td>799</td>
<td>OLAP over Probabilistic Data Cubes I: Aggregating, Materializing, and Querying</td>
</tr>
<tr>
<td>Chen, Jun</td>
<td>1350</td>
<td>SEED: A System for Entity Exploration and Debugging in Large-Scale Knowledge Graphs</td>
</tr>
<tr>
<td>Chen, Lei</td>
<td>49, 73</td>
<td>Online Mobile Micro-Task Allocation in Spatial Crowdsourcing</td>
</tr>
<tr>
<td></td>
<td>697</td>
<td>Mutual Benefit Aware Task Assignment in a Bipartite Labor Market</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Answering Why-Not Spatial Keyword Top-k Queries via Keyword Adaption</td>
</tr>
<tr>
<td>Chen, Ling</td>
<td>954</td>
<td>SPORE: A Sequential Personalized Spatial Item Recommender System</td>
</tr>
<tr>
<td>Chen, Lu</td>
<td>767, 1514</td>
<td>Answering Why-Not Questions on Metric Probabilistic Range Queries</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Metric All-k-Nearest-Neighbor Search</td>
</tr>
</tbody>
</table>

C continues on next page...
<table>
<thead>
<tr>
<th>Name</th>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chen, Qian</td>
<td>1532</td>
<td>Structure-Preserving Subgraph Query Services</td>
</tr>
<tr>
<td>Chen, Rui</td>
<td>205</td>
<td>Differentially Private Multi-Party High-Dimensional Data Publishing</td>
</tr>
<tr>
<td></td>
<td>289</td>
<td>Private Spatial Data Aggregation in the Local Setting</td>
</tr>
<tr>
<td></td>
<td>1510</td>
<td>Geo-Social K-Cover Group Queries for Collaborative Spatial Computing</td>
</tr>
<tr>
<td>Chen, Shimin</td>
<td>1482</td>
<td>i²MapReduce: Incremental MapReduce for Mining Evolving Big Data</td>
</tr>
<tr>
<td>Chen, Xiaojun</td>
<td>661</td>
<td>PurTreeClust: A Purchase Tree Clustering Algorithm for Large-Scale Customer Transaction Data</td>
</tr>
<tr>
<td>Chen, Yang</td>
<td>1074</td>
<td>TOPIC: TOward Perfect InfluenCe Graph Summarization</td>
</tr>
<tr>
<td>Chen, Yi-Cheng</td>
<td>1506</td>
<td>Mining Temporal Patterns in Interval-Based Data</td>
</tr>
<tr>
<td>Chen, Yu-Chi</td>
<td>1550</td>
<td>A Framework for Enabling User Preference Profiling Through Wi-Fi Logs</td>
</tr>
<tr>
<td>Chen, Yueguo</td>
<td>1350</td>
<td>SEED: A System for Entity Exploration and Debugging in Large-Scale Knowledge Graphs</td>
</tr>
<tr>
<td>Cheng, Hong</td>
<td>1462</td>
<td>TRIP: An Interactive Retrieving-Inferring Data Imputation Approach</td>
</tr>
<tr>
<td>Cheng, James</td>
<td>145</td>
<td>Reachability and Time-Based Path Queries in Temporal Graphs</td>
</tr>
</tbody>
</table>

C continues on next page...
<table>
<thead>
<tr>
<th>Name</th>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cheng, Reynold</td>
<td>61</td>
<td>Crowdsourced POI Labelling: Location-Aware Result Inference and Task Assignment</td>
</tr>
<tr>
<td></td>
<td>1528</td>
<td>Scalable Algorithms for Nearest-Neighbor Joins on Big Trajectory Data</td>
</tr>
<tr>
<td>Cheng, Xiang</td>
<td>205</td>
<td>Differentially Private Multi-Party High-Dimensional Data Publishing</td>
</tr>
<tr>
<td></td>
<td>229</td>
<td>Differentially Private Frequent Subgraph Mining</td>
</tr>
<tr>
<td></td>
<td>1564</td>
<td>Differentially Private Frequent Itemset Mining via Transaction Splitting</td>
</tr>
<tr>
<td>Chi, Yuze</td>
<td>409</td>
<td>NXgraph: An Efficient Graph Processing System on a Single Machine</td>
</tr>
<tr>
<td>Chirigati, Fernando</td>
<td>1310</td>
<td>Virtual Lightweight Snapshots for Consistent Analytics in NoSQL Stores</td>
</tr>
<tr>
<td>Cho, SungJu</td>
<td>1206</td>
<td>Moolle: Fan-Out Control for Scalable Distributed Data Stores</td>
</tr>
<tr>
<td>Choi, Byron</td>
<td>97</td>
<td>VColor: A Practical Vertex-Cut Based Approach for Coloring Large Graphs</td>
</tr>
<tr>
<td></td>
<td>1510</td>
<td>Geo-Social K-Cover Group Queries for Collaborative Spatial Computing</td>
</tr>
<tr>
<td></td>
<td>1532</td>
<td>Structure-Preserving Subgraph Query Services</td>
</tr>
<tr>
<td>Choi, Dong-Wan</td>
<td>685</td>
<td>Finding the Minimum Spatial Keyword Cover</td>
</tr>
<tr>
<td>Chrysanthis, Panos K.</td>
<td>121</td>
<td>Planar: Parallel Lightweight Architecture-Aware Adaptive Graph Repartitioning</td>
</tr>
<tr>
<td></td>
<td>731</td>
<td>MuVE: Efficient Multi-Objective View Recommendation for Visual Data Exploration</td>
</tr>
</tbody>
</table>

C continues on next page...
Chun, Byung-Gon
743 Collaborative Analytics for Data Silos

Ciceri, Eleonora
1452 Crowdsourcing for Top-K Query Processing Over Uncertain Data

Colgan, Maria
1298 Fault-Tolerant Real-Time Analytics with Distributed Oracle Database In-Memory

Colombo, Pietro
193 Towards Virtual Private NoSQL Datastores
1516 Efficient Enforcement of Action-Aware Purpose-Based Access Control Within Relational Database Management Systems

Cortez, Eli
457 ICE: Managing Cold State for Big Data Applications

Costa, Constantinos
1490 Distributed In-Memory Processing of All k Nearest Neighbor Queries

Cui, Huiyong
1500 Top-k Dominating Queries on Incomplete Data

Cui, Mingyuan
1468 Semantic-Aware Blocking for Entity Resolution

Cui, Yan
883 Crowdsourcing-Based Real-Time Urban Traffic Speed Estimation: From Trends to Speeds
D
Dai, Guohao
  409  NXgraph: An Efficient Graph Processing System on a Single Machine
Dal Bianco, Guilherme
  1518  A Practical and Effective Sampling Selection Strategy for Large Scale Deduplication
Damasio, Guilherme
  1334  OptImatch: Semantic Web System for Query Problem Determination
Das, Gautam
  1366  ANALOC: Efficient ANAlytics Over LOCation Based Services
Davis, Jeff
  1182  SQL-SA for Big Data Discovery: Polymorphic and Parallelizable SQL User-Defined Scalar and Aggregate Infrastructure in Teradata Aster 6.20
De Francisci Morales, Gianmarco
  589  When Two Choices Are Not Enough: Balancing at Scale in Distributed Stream Processing
Deng, Litao
  1182  SQL-SA for Big Data Discovery: Polymorphic and Parallelizable SQL User-Defined Scalar and Aggregate Infrastructure in Teradata Aster 6.20
Deng, Qingxu
  1338  INSQ: An Influential Neighbor Set Based Moving kNN Query Processing System
Deutch, Daniel
  779  Analyzing Data-Centric Applications: Why, What-If, and How-To
  1358  QPlain: Query By Explanation
Deutsch, Alin
  1394  Flexible Hybrid Stores: Constraint-Based Rewriting to the Rescue

Dignós, Anton
   1098  An Interval Join Optimized for Modern Hardware
Ding, Bolin
   49   Online Mobile Micro-Task Allocation in Spatial Crowdsourcing
Dombrovskaya, Henrietta
   1275 FastFunction: Replacing a Herd of Lemmings with a Cheetah — A Ruby Framework for Interaction with PostgreSQL Databases
Domingo-Ferrer, Josep
   1464 t-Closeness Through Microaggregation: Strict Privacy with Enhanced Utility Preservation
Dong, Guozhu
   1508 Pattern-Aided Regression Modeling and Prediction Model Analysis
Doraiswamy, Harish
   1086 A GPU-Based Index to Support Interactive Spatio-Temporal Queries Over Historical Data
Dragut, Eduard C.
   1378 ORLF: A Flexible Framework for Online Record Linkage and Fusion
Dreseler, Markus
   1386 Leveraging Non-Volatile Memory for Instant Restarts of In-Memory Database Systems
Du, Jiang
   1522 Enabling Scalable Geographic Service Sharing with Weighted Imprecise Voronoi Cells
Du, Xiaoyong
   966  Reverse Nearest Neighbor Heat Maps: A Tool for Influence Exploration
   1350 SEED: A System for Entity Exploration and Debugging in Large-Scale Knowledge Graphs
E

Ehrlich, Joshua
   1206 Moolle: Fan-Out Control for Scalable Distributed Data Stores

Ehsan, Humaira
   731 MuVE: Efficient Multi-Objective View Recommendation for Visual Data Exploration

Eldawy, Ahmed
   601 HadoopViz: A MapReduce Framework for Extensible Visualization of Big Spatial Data
   1424 The Era of Big Spatial Data

Eliassi-Rad, Tina
   1574 Fast Best-Effort Search on Graphs with Multiple Attributes

Elmagarmid, Ahmed K.
   1378 ORLF: A Flexible Framework for Online Record Linkage and Fusion

Elmasri, Ramez
   1494 Querying Knowledge Graphs by Example Entity Tuples

El-Roby, Ahmed
   1322 ALEX: Automatic Link Exploration in Linked Data

Elseidy, Mohammed
   313 Load Balancing and Skew Resilience for Parallel Joins

Emrich, Tobias
   1122 Indexing Multi-Metric Data

E continues on next page...
Eshghi, Kave
721 The CRO Kernel: Using Concomitant Rank Order Hashes for Sparse High Dimensional
Randomized Feature Maps

Etcheverry, Lorena
1346 QB2OLAP: Enabling OLAP on Statistical Linked Open Data
<table>
<thead>
<tr>
<th>Name</th>
<th>Page No.</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fahad, Adil</td>
<td>1572</td>
<td>kNNWC: An Efficient $k$-Nearest Neighbours Approach Based on Various-Widths Clustering</td>
</tr>
<tr>
<td>Fan, Hua</td>
<td>1398</td>
<td>WatCA: The Waterloo Consistency Analyzer</td>
</tr>
<tr>
<td>Fan, Ju</td>
<td>1546</td>
<td>CrowdOp: Query Optimization for Declarative Crowdsourcing Systems</td>
</tr>
<tr>
<td>Fan, Yao-Chung</td>
<td>1550</td>
<td>A Framework for Enabling User Preference Profiling Through Wi-Fi Logs</td>
</tr>
<tr>
<td>Fan, Zhe</td>
<td>1532</td>
<td>Structure-Preserving Subgraph Query Services</td>
</tr>
<tr>
<td>Fang, Meng</td>
<td>1534</td>
<td>TrGraph: Cross-Network Transfer Learning via Common Signature Subgraphs</td>
</tr>
<tr>
<td>Fang, Yixiang</td>
<td>1528</td>
<td>Scalable Algorithms for Nearest-Neighbor Joins on Big Trajectory Data</td>
</tr>
<tr>
<td>Fang, Yuan</td>
<td>277</td>
<td>Semantic Proximity Search on Graphs with Metagraph-Based Learning</td>
</tr>
<tr>
<td></td>
<td>1002</td>
<td>Learning to Query: Focused Web Page Harvesting for Entity Aspects</td>
</tr>
<tr>
<td>Faust, Martin</td>
<td>1386</td>
<td>Leveraging Non-Volatile Memory for Instant Restarts of In-Memory Database Systems</td>
</tr>
</tbody>
</table>

*F continues on next page...*
<table>
<thead>
<tr>
<th>Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feng, Jiahua</td>
<td>61</td>
</tr>
<tr>
<td></td>
<td>883</td>
</tr>
<tr>
<td></td>
<td>1576</td>
</tr>
<tr>
<td>Feng, Xing</td>
<td>85</td>
</tr>
<tr>
<td>Ferrari, Elena</td>
<td>193</td>
</tr>
<tr>
<td></td>
<td>1330</td>
</tr>
<tr>
<td></td>
<td>1516</td>
</tr>
<tr>
<td>Fetzer, Christof</td>
<td>493</td>
</tr>
<tr>
<td>Flemming, Pedro</td>
<td>1386</td>
</tr>
<tr>
<td>Franzke, Maximilian</td>
<td>1122</td>
</tr>
<tr>
<td>Fraternali, Piero</td>
<td>1452</td>
</tr>
</tbody>
</table>

*F continues on next page...*
Freire, Juliana
  1086  A GPU-Based Index to Support Interactive Spatio-Temporal Queries Over Historical Data
  1310  Virtual Lightweight Snapshots for Consistent Analytics in NoSQL Stores

Furche, Tim
  1146  Joint Repairs for Web Wrappers
G

Galante, Renata
1518  A Practical and Effective Sampling Selection Strategy for Large Scale Deduplication

Galbrun, Esther
1480  Association Discovery in Two-View Data

Gao, Hong
1496  Efficient Top-k Retrieval on Massive Data

Gao, Yunjun
361  Practical Private Shortest Path Computation Based on Oblivious Storage
767  Answering Why-Not Questions on Metric Probabilistic Range Queries
1500  Top-k Dominating Queries on Incomplete Data
1514  Metric All-k-Nearest-Neighbor Search

Garcia-Molina, Hector
906  Interactive Data Exploration with Smart Drill-Down

Garefalakis, Panagiotis
1390  Java2SDG: Stateful Big Data Processing for the Masses

Ge, Tingjian
930  Event Regularity and Irregularity in a Time Unit

Gessert, Felix
1420  Scalable Data Management: NoSQL Data Stores in Research and Practice

Gilad, Amir
1358  QPlain: Query By Explanation

G continues on next page...
Girdzijauskas, Sarunas
  1330 Beat the DIVa — Decentralized Identity Validation for Online Social Networks

Gkountouna, Olga
  1520 Anonymizing Collections of Tree-Structured Data

Gleeson, Mike
  1298 Fault-Tolerant Real-Time Analytics with Distributed Oracle Database In-Memory

Golab, Łukasz
  1432 Data Profiling

Golab, Wojciech
  1398 WatCA: The Waterloo Consistency Analyzer

Gonçalves, Marcos
  1518 A Practical and Effective Sampling Selection Strategy for Large Scale Deduplication

Gong, Zhiguo
  1524 Beyond Millisecond Latency kNN Search on Commodity Machine
  1536 Crawling Hidden Objects with kNN Queries
  1576 Top-k Spatio-Textual Similarity Join

Gouda, Karam
  265 CSL_GED: An Efficient Approach for Graph Edit Similarity Computation

Gu, Jiaqi
  1354 Ranking Support for Matched Patterns Over Complex Event Streams: The CEP² System

G continues on next page…
Gu, Yu
1338  INSQ: An Influential Neighbor Set Based Moving kNN Query Processing System
1456  Efficient Similarity Join Based on Earth Mover’s Distance Using MapReduce

Guo, Hongyu
1492  Accelerated Continuous Conditional Random Fields for Load Forecasting

Guo, Minyi
361   Practical Private Shortest Path Computation Based on Oblivious Storage

Gupta, Ruchir
1562  Reputation Aggregation in Peer-to-Peer Network Using Differential Gossip Algorithm
Ha, Heonseok
743  Collaborative Analytics for Data Silos

Hackenbroich, Gregor
493  Quality-Driven Disorder Handling for M-Way Sliding Window Stream Joins

Halim, Felix
1263  Using SSDs to Scale up Google Fusion Tables, a Database-in-the-Cloud

Han, Fangqiu
990  Fast Top-K Search in Knowledge Graphs
1158  Fast Motif Discovery in Short Sequences

Han, Guoqiang
1454  Adaptive Noise Immune Cluster Ensemble Using Affinity Propagation
1484  Incremental Semi-Supervised Clustering Ensemble for High Dimensional Data Clustering

Han, Jialong
1014  Discovering Neighborhood Pattern Queries by Sample Answers in Knowledge Base

Han, Wook-Shin
1504  DSP-CC: I/O Efficient Parallel Computation of Connected Components in Billion-Scale Networks

Han, Xixian
1496  Efficient Top-k Retrieval on Massive Data

Hao, Xingjun
799  OLAP over Probabilistic Data Cubes I: Aggregating, Materializing, and Querying

H continues on next page…
Haque, Ahsanul
481  Efficient Handling of Concept Drift and Concept Evolution Over Stream Data

Haritsa, Jayant R.
325  Platform-Independent Robust Query Processing

Hartel, Rita
1026  Incremental Updates on Compressed XML

Hassaan, Mosab
265  CSL_GED: An Efficient Approach for Graph Edit Similarity Computation

He, Bingsheng
97  VColor: A Practical Vertex-Cut Based Approach for Coloring Large Graphs

He, Gewen
553  Link Prediction in Graph Streams
1038  Edge Classification in Networks

He, Xiaoming
1298  Fault-Tolerant Real-Time Analytics with Distributed Oracle Database In-Memory

Hébrail, Georges
1370  A New Privacy-Preserving Solution for Clustering Massively Distributed Personal Times-Series

Heinis, Thomas
673  TRANSFORMERS: Robust Spatial Joins on Non-Uniform Data Distributions

Heinze, Thomas
1402  DebEAQ — Debugging Empty-Answer Queries on Large Data Graphs

H continues on next page…
Helmer, Sven
  1098 An Interval Join Optimized for Modern Hardware

Herrmann, Kai
  1362 InVerDa — Co-Existing Schema Versions Made Foolproof

Heuser, Carlos A.
  1518 A Practical and Effective Sampling Selection Strategy for Large Scale Deduplication

Hills, Jon
  1548 Time-Series Classification with COTE: The Collective of Transformation-Based Ensembles

Hino, Hideitsu
  1560 Change-Point Detection in a Sequence of Bags-of-Data

Hirzel, Martin
  1310 Virtual Lightweight Snapshots for Consistent Analytics in NoSQL Stores

Ho, Qirong
  1062 SLR: A Scalable Latent Role Model for Attribute Completion and Tie Prediction in Social Networks

Holloway, Allison
  1298 Fault-Tolerant Real-Time Analytics with Distributed Oracle Database In-Memory

Holzemer, Markus
  613 Efficient Fault-Tolerance for Iterative Graph Processing on Distributed Dataflow Systems

Hu, Bao-Gang
  1526 Unsupervised Ranking of Multi-Attribute Objects Based on Principal Curves

H continues on next page…
Hu, Haibo
697  Answering Why-Not Spatial Keyword Top-k Queries via Keyword Adaption
1488  Reverse Keyword Search for Spatio-Textual Top-k Queries in Location-Based Services
1510  Geo-Social K-Cover Group Queries for Collaborative Spatial Computing
1532  Structure-Preserving Subgraph Query Services

Hu, Huiqi
61   Crowdsourced POI Labelling: Location-Aware Result Inference and Task Assignment
883   Crowdsourcing-Based Real-Time Urban Traffic Speed Estimation: From Trends to Speeds
1576  Top-k Spatio-Textual Similarity Join

Hu, Renjun
385   An Embedding Approach to Anomaly Detection

Hu, Zhenbi
337   Authentication of Function Queries

Hu, Zhiting
942   Discovering Interpretable Geo-Social Communities for User Behavior Prediction

Huai, Jinpeng
385   An Embedding Approach to Anomaly Detection

Huang, Hao
637   Streaming Spectral Clustering

Huang, Jianbin
1170  A Novel Fast and Memory Efficient Parallel MLCS Algorithm for Long and Large-Scale Sequences Alignments

H continues on next page…
Huang, Joshua Zhexue
   661  PurTreeClust: A Purchase Tree Clustering Algorithm for Large-Scale Customer Transaction Data
Huang, Ling
   1478 CloudKeyBank: Privacy and Owner Authorization Enforced Key Management Framework
Huang, Qiao
   1510 Geo-Social K-Cover Group Queries for Collaborative Spatial Computing
Huang, Shengyu
   835  2PCP: Two-Phase CP Decomposition for Billion-Scale Dense Tensors
Huang, Tao
   1536 Crawling Hidden Objects with kNN Queries
Huang, Yuzhen
   145  Reachability and Time-Based Path Queries in Temporal Graphs
Huang, Zi
   1538 Indexing Evolving Events from Tweet Streams
Hull, Richard
   1498 Safe Distribution and Parallel Execution of Data-Centric Workflows Over the Publish/Subscribe Abstraction
Hwang, Jaewook
   1558 Similar Subtree Search Using Extended Tree Inclusion
Hwang, Won-Seok
   349  “Told You I Didn’t Like It”: Exploiting Uninteresting Items for Effective Collaborative Filtering
Idicula, Sam
  1194  Flow-Join: Adaptive Skew Handling for Distributed Joins Over High-Speed Networks
Ilyas, Ihab F.
  1134  DataXFormer: A Robust Transformation Discovery System
  1444  Dark Data: Are We Solving the Right Problems?
Islam, Md. Saiful
  1476  Efficient Answering of Why-Not Questions in Similar Graph Matching
Jacobs, Thomas
1026 Incremental Updates on Compressed XML

Jacobsen, Hans-Arno
1498 Safe Distribution and Parallel Execution of Data-Centric Workflows Over the Publish/Subscribe Abstraction

Jaiswal, Deepak
1182 SQL-SA for Big Data Discovery: Polymorphic and Parallelizable SQL User-Defined Scalar and Aggregate Infrastructure in Teradata Aster 6.20

Jan, Jane Alam
1206 Moolle: Fan-Out Control for Scalable Distributed Data Stores

Jansson, Jesper
1558 Similar Subtree Search Using Extended Tree Inclusion

Jayaram, Nandish
1494 Querying Knowledge Graphs by Example Entity Tuples

Jensen, Christian S.
697 Answering Why-Not Spatial Keyword Top-k Queries via Keyword Adaption
767 Answering Why-Not Questions on Metric Probabilistic Range Queries
1522 Enabling Scalable Geographic Service Sharing with Weighted Imprecise Voronoi Cells

Jeon, ByungSoo
811 SCouT: Scalable Coupled Matrix-Tensor Factorization — Algorithm and Discoveries

Jeon, Inah
811 SCouT: Scalable Coupled Matrix-Tensor Factorization — Algorithm and Discoveries

J continues on next page…
Jergler, Matin
1498 Safe Distribution and Parallel Execution of Data-Centric Workflows Over the Publish/Subscribe Abstraction

Jerzak, Zbigniew
493 Quality-Driven Disorder Handling for M-Way Sliding Window Stream Joins

Ji, Yuanzhen
493 Quality-Driven Disorder Handling for M-Way Sliding Window Stream Joins

Jiang, Jing
1062 SLR: A Scalable Latent Role Model for Attribute Completion and Tie Prediction in Social Networks

Jiang, Shan
1458 NATERGM: A Model for Examining the Role of Nodal Attributes in Dynamic Social Media Networks

Jiang, Yu
1466 Domain-Sensitive Recommendation with User-Item Subgroup Analysis

Jin, Hongxia
289 Private Spatial Data Aggregation in the Local Setting

Jin, Peiquan
433 Self-Adaptive Linear Hashing for Solid State Drives
799 OLAP over Probabilistic Data Cubes I: Aggregating, Materializing, and Querying
1522 Enabling Scalable Geographic Service Sharing with Weighted Imprecise Voronoi Cells

Joglekar, Manas
906 Interactive Data Exploration with Smart Drill-Down

J continues on next page…
Jonathan, Albert
1251  GARNET: A Holistic System Approach for Trending Queries in Microblogs

Jonathan, Christopher
601  HadoopViz: A MapReduce Framework for Extensible Visualization of Big Spatial Data
1251  GARNET: A Holistic System Approach for Trending Queries in Microblogs

Jurdak, Raja
895  Learning Abstract Snippet Detectors with Temporal Embedding in Convolutional Neural Networks
K

Kafai, Mehran
721 The CRO Kernel: Using Concomitant Rank Order Hashes for Sparse High Dimensional Randomized Feature Maps

Kamp, Jesse
1298 Fault-Tolerant Real-Time Analytics with Distributed Oracle Database In-Memory

Kang, U
811 SCouT: Scalable Coupled Matrix-Tensor Factorization — Algorithm and Discoveries

Kantarcioglu, Murat
217 Optimizing Secure Classification Performance with Privacy-Aware Feature Selection

Karagoz, Pinar
1472 CRoM and HuspExt: Improving Efficiency of High Utility Sequential Pattern Extraction

Karras, Panagiotis
673 TRANSFORMERS: Robust Spatial Joins on Non-Uniform Data Distributions
859 Fuzzy Trajectory Linking

Karthik, Srinivas
325 Platform-Independent Robust Query Processing

Kasiviswanathan, Shiva Prasad
289 Private Spatial Data Aggregation in the Local Setting
637 Streaming Spectral Clustering

Kaul, Manohar
613 Efficient Fault-Tolerance for Iterative Graph Processing on Distributed Dataflow Systems

K continues on next page...
Ke, Yiping
145 Reachability and Time-Based Path Queries in Temporal Graphs

Kemper, Alfons
1194 Flow-Join: Adaptive Skew Handling for Distributed Joins Over High-Speed Networks

Kenkre, Sreyash
325 Platform-Independent Robust Query Processing

Kermarrec, Anne-Marie
241 Being Prepared in a Sparse World: The Case of KNN Graph Construction

Kernert, David
823 Topology-Aware Optimization of Big Sparse Matrices and Matrix Multiplications on Main-Memory Systems

Keswani, Chittaranjan
1182 SQL-SA for Big Data Discovery: Polymorphic and Parallelizable SQL User-Defined Scalar and Aggregate Infrastructure in Teradata Aster 6.20

Khachatryan, Andranik
1544 Improving Accuracy and Robustness of Self-Tuning Histograms by Subspace Clustering

Khalil, Ibrahim
1572 kNNVWC: An Efficient k-Nearest Neighbours Approach Based on Various-Widths Clustering

Khan, Arijit
37 Revenue Maximization by Viral Marketing: A Social Network Host’s Perspective
1494 Querying Knowledge Graphs by Example Entity Tuples

K continues on next page...
Khan, Latifur
 481  Efficient Handling of Concept Drift and Concept Evolution Over Stream Data

Kim, Changkyu
 1263 Using SSDs to Scale up Google Fusion Tables, a Database-in-the-Cloud

Kim, Daehoon
 13  Topical Influence Modeling via Topic-Level Interests and Interactions on Social Curation Services

Kim, Jinkyu
 743  Collaborative Analytics for Data Silos

Kim, Jongik

Kim, Junghoon
 25  BlackHole: Robust Community Detection Inspired by Graph Drawing

Kim, Min-Soo
 1504  DSP-CC: I/O Efficient Parallel Computation of Connected Components in Billion-Scale Networks

Kim, Sang-Wook
 349  “Told You I Didn’t Like It”: Exploiting Uninteresting Items for Effective Collaborative Filtering

Kitsuregawa, Masaru
 1554  Application Sensitive Energy Management Framework for Storage Systems

Koch, Christoph
 313  Load Balancing and Skew Resilience for Parallel Joins

K continues on next page...
<table>
<thead>
<tr>
<th>Name</th>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Köhler, Frank</td>
<td>823</td>
<td>Topology-Aware Optimization of Big Sparse Matrices and Matrix Multiplications on Main-Memory Systems</td>
</tr>
<tr>
<td>Kok, Stanley</td>
<td>1546</td>
<td>CrowdOp: Query Optimization for Declarative Crowdsourcing Systems</td>
</tr>
<tr>
<td>Konstantinidis, Andreas</td>
<td>1470</td>
<td>Privacy-Preserving Indoor Localization on Smartphones</td>
</tr>
<tr>
<td>Koo, Kee Kiat</td>
<td>859</td>
<td>Fuzzy Trajectory Linking</td>
</tr>
<tr>
<td>Kornacker, Marcel</td>
<td>1444</td>
<td>Dark Data: Are We Solving the Right Problems?</td>
</tr>
<tr>
<td>Koshijima, Kensuke</td>
<td>1560</td>
<td>Change-Point Detection in a Sequence of Bags-of-Data</td>
</tr>
<tr>
<td>Kosik, Kenneth S.</td>
<td>1158</td>
<td>Fast Motif Discovery in Short Sequences</td>
</tr>
<tr>
<td>Kossmann, Donald</td>
<td>37</td>
<td>Revenue Maximization by Viral Marketing: A Social Network Host’s Perspective</td>
</tr>
<tr>
<td>Kourtellis, Nicolas</td>
<td>589</td>
<td>When Two Choices Are Not Enough: Balancing at Scale in Distributed Stream Processing</td>
</tr>
<tr>
<td>Kraska, Tim</td>
<td>1444</td>
<td>Dark Data: Are We Solving the Right Problems?</td>
</tr>
<tr>
<td>Krommyda, Maria</td>
<td>1342</td>
<td>graphVizdb: A Scalable Platform for Interactive Large Graph Visualization</td>
</tr>
</tbody>
</table>

K continues on next page...
Kulkarni, Kartik
  1298  Fault-Tolerant Real-Time Analytics with Distributed Oracle Database In-Memory
Kusy, Brano
  895  Learning Abstract Snippet Detectors with Temporal Embedding in Convolutional Neural Networks
Labrinidis, Alexandros
   121  Planar: Parallel Lightweight Architecture-Aware Adaptive Graph Repartitioning

Lahiri, Tirthankar
   1298  Fault-Tolerant Real-Time Analytics with Distributed Oracle Database In-Memory

Lan, Ziquan
   505  Context-Aware Advertisement Recommendation for High-Speed Social News Feeding

Lavee, Gal
   1230  Recommendations Meet Web Browsing: Enhancing Collaborative Filtering Using Internet Browsing Logs

Lee, Byung Suk
   13  Topical Influence Modeling via Topic-Level Interests and Interactions on Social Curation Services

Lee, Dongwon
   349  "Told You I Didn't Like It": Exploiting Uninteresting Items for Effective Collaborative Filtering

Lee, Hongrae
   1263  Using SSDs to Scale up Google Fusion Tables, a Database-in-the-Cloud

Lee, Jae-Gil
   13  Topical Influence Modeling via Topic-Level Interests and Interactions on Social Curation Services
   25  BlackHole: Robust Community Detection Inspired by Graph Drawing

L continues on next page…
Lee, Jeong-Hoon
1504 DSP-CC: I/O Efficient Parallel Computation of Connected Components in Billion-Scale Networks

Lee, Jongwuk
349 “Told You I Didn’t Like It”: Exploiting Uninteresting Items for Effective Collaborative Filtering

Lee, Sangyeon
1504 DSP-CC: I/O Efficient Parallel Computation of Connected Components in Billion-Scale Networks

Lee, Suh-Yin
1506 Mining Temporal Patterns in Interval-Based Data

Lee, Wang-Chien
1490 Distributed In-Memory Processing of All k Nearest Neighbor Queries

Lehner, Wolfgang
823 Topology-Aware Optimization of Big Sparse Matrices and Matrix Multiplications on Main-Memory Systems
1362 InVerDa — Co-Existing Schema Versions Made Foolproof
1402 DebEAQ — Debugging Empty-Answer Queries on Large Data Graphs

Lei, Bin
1456 Efficient Similarity Join Based on Earth Mover’s Distance Using MapReduce

Leung, Hareton
1484 Incremental Semi-Supervised Clustering Ensemble for High Dimensional Data Clustering

Levandoski, Justin
457 ICE: Managing Cold State for Big Data Applications

L continues on next page…
<table>
<thead>
<tr>
<th>Name</th>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Li, Chen</td>
<td>169</td>
<td>Hobbes3: Dynamic Generation of Variable-Length Signatures for Efficient Approximate Subsequence Mappings</td>
</tr>
<tr>
<td>Li, Chengkai</td>
<td>1494</td>
<td>Querying Knowledge Graphs by Example Entity Tuples</td>
</tr>
<tr>
<td>Li, Chuanwen</td>
<td>1338</td>
<td>INSQ: An Influential Neighbor Set Based Moving $k$NN Query Processing System</td>
</tr>
<tr>
<td>Li, Chun-Guo</td>
<td>1526</td>
<td>Unsupervised Ranking of Multi-Attribute Objects Based on Principal Curves</td>
</tr>
<tr>
<td>Li, Guanru</td>
<td>361</td>
<td>Practical Private Shortest Path Computation Based on Oblivious Storage</td>
</tr>
<tr>
<td>Li, Guohui</td>
<td>871</td>
<td>Keyword-Aware Continuous $k$NN Query on Road Networks</td>
</tr>
<tr>
<td>Li, Guoliang</td>
<td>61</td>
<td>Crowdsourced POI Labelling: Location-Aware Result Inference and Task Assignment</td>
</tr>
<tr>
<td></td>
<td>409</td>
<td>NXgraph: An Efficient Graph Processing System on a Single Machine</td>
</tr>
<tr>
<td></td>
<td>883</td>
<td>Crowdsourcing-Based Real-Time Urban Traffic Speed Estimation: From Trends to Speeds</td>
</tr>
<tr>
<td></td>
<td>1576</td>
<td>Top-k Spatio-Textual Similarity Join</td>
</tr>
<tr>
<td>Li, Haoran</td>
<td>289</td>
<td>Private Spatial Data Aggregation in the Local Setting</td>
</tr>
<tr>
<td>Li, Jian</td>
<td>978</td>
<td>Automatic User Identification Method Across Heterogeneous Mobility Data Sources</td>
</tr>
</tbody>
</table>

L continues on next page...
<table>
<thead>
<tr>
<th>Name</th>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Li, Jianxin</td>
<td>1476</td>
<td>Efficient Answering of Why-Not Questions in Similar Graph Matching</td>
</tr>
<tr>
<td>Li, Jianzhong</td>
<td>565</td>
<td>SimRank Computation on Uncertain Graphs</td>
</tr>
<tr>
<td></td>
<td>1496</td>
<td>Efficient Top-k Retrieval on Massive Data</td>
</tr>
<tr>
<td>Li, Jinfeng</td>
<td>145</td>
<td>Reachability and Time-Based Path Queries in Temporal Graphs</td>
</tr>
<tr>
<td>Li, Jing</td>
<td>1578</td>
<td>Joint Search by Social and Spatial Proximity</td>
</tr>
<tr>
<td>Li, Le</td>
<td>1454</td>
<td>Adaptive Noise Immune Cluster Ensemble Using Affinity Propagation</td>
</tr>
<tr>
<td>Li, Wei</td>
<td>253</td>
<td>pSCAN: Fast and Exact Structural Graph Clustering</td>
</tr>
<tr>
<td>Li, Xiao-Li</td>
<td>277</td>
<td>Semantic Proximity Search on Graphs with Metagraph-Based Learning</td>
</tr>
<tr>
<td>Li, Xinsheng</td>
<td>835</td>
<td>2PCP: Two-Phase CP Decomposition for Billion-Scale Dense Tensors</td>
</tr>
<tr>
<td>Li, Yafei</td>
<td>1510</td>
<td>Geo-Social K-Cover Group Queries for Collaborative Spatial Computing</td>
</tr>
<tr>
<td>Li, Yanni</td>
<td>1170</td>
<td>A Novel Fast and Memory Efficient Parallel MLCS Algorithm for Long and Large-Scale Sequences Alignments</td>
</tr>
</tbody>
</table>

*L continues on next page...*
Li, Yuchen
505  Context-Aware Advertisement Recommendation for High-Speed Social News Feeding

Li, Zechao
1466  Domain-Sensitive Recommendation with User-Item Subgroup Analysis

Li, Zhengyi
1564  Differentially Private Frequent Itemset Mining via Transaction Splitting

Li, Zhixu
1462  TRIP: An Interactive Retrieving-Inferring Data Imputation Approach

Liagouris, John
1342  graphVizdb: A Scalable Platform for Interactive Large Graph Visualization

Liang, Hongwei
421  Mining Social Ties Beyond Homophily

Liang, Huizhi
1468  Semantic-Aware Blocking for Entity Resolution

Liang, Victor C.
1374  Mercury: Metro Density Prediction with Recurrent Neural Network on Streaming CDR Data

Liao, Bailong
1524  Beyond Millisecond Latency kNN Search on Commodity Machine

Liao, Lizi
1062  SLR: A Scalable Latent Role Model for Attribute Completion and Tie Prediction in Social Networks

Lim, Ee-Peng
1062  SLR: A Scalable Latent Role Model for Attribute Completion and Tie Prediction in Social Networks

Lim, Sungsu
25  BlackHole: Robust Community Detection Inspired by Graph Drawing

Lin, Chin-Yew
1540  App Relationship Calculation: An Iterative Process

Lin, Wenqing
277  Semantic Proximity Search on Graphs with Metagraph-Based Learning

Lin, Xin
697  Answering Why-Not Spatial Keyword Top-k Queries via Keyword Adaption
1488  Reverse Keyword Search for Spatio-Textual Top-k Queries in Location-Based Services

Lin, Xuemin
1  Distance-Aware Influence Maximization in Geo-Social Network
85  Computing Connected Components with Linear Communication Cost in Pregel-Like Systems
133  I/O Efficient Core Graph Decomposition at Web Scale
157  Scalable Supergraph Search in Large Graph Databases
253  pSCAN: Fast and Exact Structural Graph Clustering
685  Finding the Minimum Spatial Keyword Cover
709  Influence Based Cost Optimization on User Preference
1110  Efficiently Computing Reverse & Furthest Neighbors
1542  Efficient Probabilistic Supergraph Search
1552  Understanding Short Texts Through Semantic Enrichment and Hashing

L continues on next page...

Lines, Jason
1548  Time-Series Classification with COTE: The Collective of Transformation-Based Ensembles

Liu, Chengfei
1476  Efficient Answering of Why-Not Questions in Similar Graph Matching

Liu, Dongxi
1110  Efficiently Computing Reverse Furthest Neighbors

Liu, Honglei
1158  Fast Motif Discovery in Short Sequences

Liu, Jiajun
895  Learning Abstract Snippet Detectors with Temporal Embedding in Convolutional Neural Networks

Liu, Jiming
1454  Adaptive Noise Immune Cluster Ensemble Using Affinity Propagation

Liu, Jing
1466  Domain-Sensitive Recommendation with User-Item Subgroup Analysis

Liu, Ming
1540  App Relationship Calculation: An Iterative Process

Liu, Rui
181  NoSE: Schema Design for NoSQL Applications

Liu, Weimo
1366  ANALOC: Efficient ANAlytics Over LOCation Based Services

Liu, Weiru
649  Accelerating Large Scale Centroid-Based Clustering with Locality Sensitive Hashing

L continues on next page…
Loaiza, Juan
1298 Fault-Tolerant Real-Time Analytics with Distributed Oracle Database In-Memory

Lu, Hanqing
1466 Domain-Sensitive Recommendation with User-Item Subgroup Analysis

Lu, Hua
1414 Indoor Data Management

Lu, Meiyu
1546 CrowdOp: Query Optimization for Declarative Crowdsourcing Systems

Lu, Yafeng
1182 SQL-SA for Big Data Discovery: Polymorphic and Parallelizable SQL User-Defined Scalar and Aggregate Infrastructure in Teradata Aster 6.20

Lui, John C.S.
1050 Minfer: A Method of Inferring Motif Statistics from Sampled Edges

Luo, Jar-Der
1568 The Prediction of Venture Capital Co-Investment Based on Structural Balance Theory

Luo, Jun
661 PurTreeClust: A Purchase Tree Clustering Algorithm for Large-Scale Customer Transaction Data

Luo, Peinan
1484 Incremental Semi-Supervised Clustering Ensemble for High Dimensional Data Clustering

Luo, Yong
1460 Tensor Canonical Correlation Analysis for Multi-View Dimension Reduction

Lyu, Bingqing
157 Scalable Supergraph Search in Large Graph Databases

Ma, Ding
1170 A Novel Fast and Memory Efficient Parallel MLCS Algorithm for Long and Large-Scale Sequences Alignments

Ma, Richard T.B.
1374 Mercury: Metro Density Prediction with Recurrent Neural Network on Streaming CDR Data

Ma, Shuai
385 An Embedding Approach to Anomaly Detection
1074 TOPIC: TOward Perfect InfluenCe Graph Summarization

Ma, Songxia
791 CLEAR: Clustering based on Locality Embedding And Reconstruction

Macnaughton, Neil
1298 Fault-Tolerant Real-Time Analytics with Distributed Oracle Database In-Memory

Madhavan, Jayant
1263 Using SSDs to Scale up Google Fusion Tables, a Database-in-the-Cloud

Magdy, Amr
445 On Main-Memory Flushing in Microblogs Data Management Systems
1251 GARNET: A Holistic System Approach for Trending Queries in Microblogs
1440 Microblogs Data Management and Analysis

Mahmood, Ahmed R.
1406 Cruncher: Distributed In-Memory Processing for Location-Based Services

M continues on next page…
Mahmood, Arif
1502  Subspace Based Network Community Detection Using Sparse Linear Coding

Malik, Zaki
1570  XACML Policy Evaluation with Dynamic Context Handling

Malin, Bradley
217  Optimizing Secure Classification Performance with Privacy-Aware Feature Selection

Malluhi, Qutaibah M.
1448  Similarity Group-By Operators for Multi-Dimensional Relational Data

Mamoulis, Nikos
1530  Maximizing a Record’s Standing in a Relation
1566  Location Aware Keyword Query Suggestion Based on Document Proximity
1578  Joint Search by Social and Spatial Proximity

Maneth, Sebastian
109  Compressing Graphs by Grammars
1026  Incremental Updates on Compressed XML

Maniu, Silviu
1528  Scalable Algorithms for Nearest-Neighbor Joins on Big Trajectory Data

Manolescu, Ioana
1394  Flexible Hybrid Stores: Constraint-Based Rewriting to the Rescue

Mao, Minqi
791  CLEAR: Clustering based on Locality Embedding And Reconstruction

M continues on next page…
<table>
<thead>
<tr>
<th>Name</th>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Markl, Volker</td>
<td>613</td>
<td>Efficient Fault-Tolerance for Iterative Graph Processing on Distributed Dataflow Systems</td>
</tr>
<tr>
<td>Marks, Jonathan</td>
<td>1275</td>
<td>FastFunction: Replacing a Herd of Lemmings with a Cheetah — A Ruby Framework for Interaction with PostgreSQL Databases</td>
</tr>
<tr>
<td>Martinenghi, Davide</td>
<td>1452</td>
<td>Crowdsourcing for Top-K Query Processing Over Uncertain Data</td>
</tr>
<tr>
<td>Martínez, Sergio</td>
<td>1464</td>
<td>t-Closeness Through Microaggregation: Strict Privacy with Enhanced Utility Preservation</td>
</tr>
<tr>
<td>Masseglia, Florent</td>
<td>1370</td>
<td>A New Privacy-Preserving Solution for Clustering Massively Distributed Personal Times-Series</td>
</tr>
<tr>
<td>McConville, Ryan</td>
<td>649</td>
<td>Accelerating Large Scale Centroid-Based Clustering with Locality Sensitive Hashing</td>
</tr>
<tr>
<td>Mei, Xing</td>
<td>1526</td>
<td>Unsupervised Ranking of Multi-Attribute Objects Based on Principal Curves</td>
</tr>
<tr>
<td>Miao, Xiaoye</td>
<td>1500</td>
<td>Top-k Dominating Queries on Incomplete Data</td>
</tr>
<tr>
<td>Michiardi, Pietro</td>
<td>301</td>
<td>A Novel, Low-Latency Algorithm for Multiple Group-By Query Optimization</td>
</tr>
<tr>
<td>Mierzejewski, Piotr</td>
<td>1334</td>
<td>OptImatch: Semantic Web System for Query Problem Determination</td>
</tr>
</tbody>
</table>

M continues on next page…
Miller, Paul
649  Accelerating Large Scale Centroid-Based Clustering with Locality Sensitive Hashing

Mior, Michael J.
181  NoSE: Schema Design for NoSQL Applications

Mittal, Nupur
241  Being Prepared in a Sparse World: The Case of KNN Graph Construction

Mokbel, Mohamed F.
445  On Main-Memory Flushing in Microblogs Data Management Systems
601  HadoopViz: A MapReduce Framework for Extensible Visualization of Big Spatial Data
1251  GARNET: A Holistic System Approach for Trending Queries in Microblogs
1424  The Era of Big Spatial Data
1440  Microblogs Data Management and Analysis

Morcos, John
1134  DataXFormer: A Robust Transformation Discovery System

Mori, Tomoya
1558  Similar Subtree Search Using Extended Tree Inclusion

Moskovitch, Yuval
779  Analyzing Data-Centric Applications: Why, What-If, and How-To

Mouratidis, Kyriakos
1578  Joint Search by Social and Spatial Proximity

Mozafari, Barzan
755  Visualization-Aware Sampling for Very Large Databases

M continues on next page…
Mpeis, Paschalis
1470  Privacy-Preserving Indoor Localization on Smartphones

Mukherjee, Niloy
1298  Fault-Tolerant Real-Time Analytics with Distributed Oracle Database In-Memory

Müller, Emmanuel
1544  Improving Accuracy and Robustness of Self-Tuning Histograms by Subspace Clustering

Mullick, Atrayee
1298  Fault-Tolerant Real-Time Analytics with Distributed Oracle Database In-Memory

Murata, Noboru
1560  Change-Point Detection in a Sequence of Bags-of-Data

Muthulingam, Sujatha
1298  Fault-Tolerant Real-Time Analytics with Distributed Oracle Database In-Memory
Nakano, Miyuki
1554  Application Sensitive Energy Management Framework for Storage Systems

Narayananam, Ramasuri
397   Cross-Layer Betweenness Centrality in Multiplex Networks with Applications

Nasir, Muhammad Anis Uddin
589   When Two Choices Are Not Enough: Balancing at Scale in Distributed Stream Processing

Naumann, Felix
1432  Data Profiling

Neumann, Thomas
1194  Flow-Join: Adaptive Skew Handling for Distributed Joins Over High-Speed Networks

Ng, Wee Siong
859   Fuzzy Trajectory Linking
1374  Mercury: Metro Density Prediction with Recurrent Neural Network on Streaming CDR Data

Nguyen, Quoc Viet Hung
942   Discovering Interpretable Geo-Social Communities for User Behavior Prediction

Nica, Anisoara
493   Quality-Driven Disorder Handling for M-Way Sliding Window Stream Joins

Nishikawa, Norifumi
1554  Application Sensitive Energy Management Framework for Storage Systems
Oliver, Dev
  1556  Capacity-Constrained Network-Voronoi Diagram

Ooi, Beng Chin
  1546  CrowdOp: Query Optimization for Declarative Crowdsourcing Systems

Orsi, Giorgio
  1146  Joint Repairs for Web Wrappers

Ortona, Stefano
  1146  Joint Repairs for Web Wrappers

Ouzzani, Mourad
  1134  DataXFormer: A Robust Transformation Discovery System
  1378  ORLF: A Flexible Framework for Online Record Linkage and Fusion
  1448  Similarity Group-By Operators for Multi-Dimensional Relational Data
Pacitti, Esther  
1370 A New Privacy-Preserving Solution for Clustering Massively Distributed Personal Times-Series

Palpanas, Themis  
1436 Blocking for Large-Scale Entity Resolution: Challenges, Algorithms, and Practical Examples

Pan, Shirui  
1474 Joint Structure Feature Exploration and Regularization for Multi-Task Graph Classification

Papadakis, George  
1436 Blocking for Large-Scale Entity Resolution: Challenges, Algorithms, and Practical Examples

Papadimitriou, Spiros  
1574 Fast Best-Effort Search on Graphs with Multiple Attributes

Papaoannou, Katerina  
1382 TemProRA: Top-k Temporal-Probabilistic Results Analysis

Papastefanatos, George  
1342 graphVizdb: A Scalable Platform for Interactive Large Graph Visualization

Papito, Anders J.  
1287 A Column Store Engine for Real-Time Streaming Analytics

P continues on next page…
Papotti, Paolo
  1134  DataXFormer: A Robust Transformation Discovery System
  1446  Big Data Quality — Whose Problem is it?

Parameswaran, Aditya
  906  Interactive Data Exploration with Smart Drill-Down

Parc, Juan
  349  “Told You I Didn’t Like It”: Exploiting Uninteresting Items for Effective Collaborative Filtering

Park, Himchan
  1504  DSP-CC: I/O Efficient Parallel Computation of Connected Components in Billion-Scale Networks

Park, Yongjoo
  755  Visualization-Aware Sampling for Very Large Databases

Pattuk, Erman
  217  Optimizing Secure Classification Performance with Privacy-Aware Feature Selection

Pavlovic, Mirjana
  673  TRANSFORMERS: Robust Spatial Joins on Non-Uniform Data Distributions

Pedersen, Torben Bach
  799  OLAP over Probabilistic Data Cubes I: Aggregating, Materializing, and Querying
  1346  QB2OLAP: Enabling OLAP on Statistical Linked Open Data

Pei, Jian
  685  Finding the Minimum Spatial Keyword Cover

P continues on next page…
Pelekis, Nikos
1470  Privacy-Preserving Indoor Localization on Smartphones

Peng, Shangfu
1239  SPDO: High-Throughput Road Distance Computations on Spark Using Distance Oracles

Peng, Wen-Chih
1506  Mining Temporal Patterns in Interval-Based Data

Peng, Yun
97  VColor: A Practical Vertex-Cut Based Approach for Coloring Large Graphs

Peternek, Fabian
109  Compressing Graphs by Grammars

Pham, Huy
529  Spatial Influence — Measuring Followship in the Real World

Phan, Duy-Hung
301  A Novel, Low-Latency Algorithm for Multiple Group-By Query Optimization

Piatov, Danila
1098  An Interval Join Optimized for Modern Hardware

Pietzuch, Peter
1390  Java2SDG: Stateful Big Data Processing for the Masses

Pitoura, Evaggelia
541  Durable Graph Pattern Queries on Historical Graphs
1490  Distributed In-Memory Processing of All k Nearest Neighbor Queries

P continues on next page…
Plattner, Hasso
1386 Leveraging Non-Volatile Memory for Instant Restarts of In-Memory Database Systems

Prout, Adam
1287 A Column Store Engine for Real-Time Streaming Analytics
Qadah, Thamir
  1406  Cruncher: Distributed In-Memory Processing for Location-Based Services

Qi, Jianzhong
  966  Reverse Nearest Neighbor Heat Maps: A Tool for Influence Exploration
  1338  INSQ: An Influential Neighbor Set Based Moving kNN Query Processing System

Qi, Shuyao
  1566  Location Aware Keyword Query Suggestion Based on Document Proximity

Qiao, Maoying
  1512  Diversified Hidden Markov Models for Sequential Labeling

Qin, A.K.
  289  Private Spatial Data Aggregation in the Local Setting

Qin, Lu
  85  Computing Connected Components with Linear Communication Cost in Pregel-Like Systems
  133  I/O Efficient Core Graph Decomposition at Web Scale
  157  Scalable Supergraph Search in Large Graph Databases
  253  pSCAN: Fast and Exact Structural Graph Clustering
  1462  TRIP: An Interactive Retrieving-Inferring Data Imputation Approach
Rahman, Md Farhadur
  1366  ANALOC: Efficient ANAlytics Over LOCation Based Services

Raja, Vivekanandhan
  1298  Fault-Tolerant Real-Time Analytics with Distributed Oracle Database In-Memory

Ramamohanarao, Kotagiri
  1460  Tensor Canonical Correlation Analysis for Multi-View Dimension Reduction

Rangarajan, Srivathsava
  1275  FastFunction: Replacing a Herd of Lemmings with a Cheetah — A Ruby Framework for Interaction with PostgreSQL Databases

Rao, Fang-Yu
  373  Practical Privacy-Preserving User Profile Matching in Social Networks

Ré, Christopher
  1444  Dark Data: Are We Solving the Right Problems?

Ren, Chao
  1182  SQL-SA for Big Data Discovery: Polymorphic and Parallelizable SQL User-Defined Scalar and Aggregate Infrastructure in Teradata Aster 6.20

Ren, Weichao
  1218  Personal Recommendation Using Deep Recurrent Neural Networks in NetEase

Renz, Matthias
  1122  Indexing Multi-Metric Data

R continues on next page...
Reyes, Tom
1182 SQL-SA for Big Data Discovery: Polymorphic and Parallelizable SQL User-Defined Scalar and Aggregate Infrastructure in Teradata Aster 6.20

Rezgui, Abdelmounaam
1570 XACML Policy Evaluation with Dynamic Context Handling

Rezig, El Kindi
1378 ORLF: A Flexible Framework for Online Record Linkage and Fusion

Ritter, Norbert
1420 Scalable Data Management: NoSQL Data Stores in Research and Practice

Rödiger, Wolf
1194 Flow-Join: Adaptive Skew Handling for Distributed Joins Over High-Speed Networks

Romero, Oscar
1346 QB2OLAP: Enabling OLAP on Statistical Linked Open Data

Ronen, Royi
1230 Recommendations Meet Web Browsing: Enhancing Collaborative Filtering Using Internet Browsing Logs

Rungta, Raunak
1298 Fault-Tolerant Real-Time Analytics with Distributed Oracle Database In-Memory
S

Sadiq, Shazia
942  Discovering Interpretable Geo-Social Communities for User Behavior Prediction
954  SPORE: A Sequential Personalized Spatial Item Recommender System
1446 Big Data Quality — Whose Problem is it?

Sadoghi, Mohammad
1428  Accelerating Database Workloads by Software-Hardware-System Co-Design
1498  Safe Distribution and Parallel Execution of Data-Centric Workflows Over the Publish/Subscribe Abstraction

Sael, Lee
811  SCouT: Scalable Coupled Matrix-Tensor Factorization — Algorithm and Discoveries

Salem, Kenneth
181  NoSE: Schema Design for NoSQL Applications

Samet, Hanan
1239  SPDO: High-Throughput Road Distance Computations on Spark Using Distance Oracles

Sánchez, David
1464  t-Closeness Through Microaggregation: Strict Privacy with Enhanced Utility Preservation

Sankaranarayanan, Jagan
1239  SPDO: High-Throughput Road Distance Computations on Spark Using Distance Oracles

Sapino, Maria Luisa
835  2PCP: Two-Phase CP Decomposition for Billion-Scale Dense Tensors

S continues on next page…
Sarwat, Mohamed  
1410 A Demonstration of GeoSpark: A Cluster Computing Framework for Processing Big Spatial Data

Schwalb, David  
1386 Leveraging Non-Volatile Memory for Instant Restarts of In-Memory Database Systems

Sellis, Timos  
1342 graphVizdb: A Scalable Platform for Interactive Large Graph Visualization

Semertzidis, Konstantinos  
541 Durable Graph Pattern Queries on Historical Graphs

Serafini, Marco  
589 When Two Choices Are Not Enough: Balancing at Scale in Distributed Stream Processing

Seyschab, Thorsten  
1362 InVerDa — Co-Existing Schema Versions Made Foolproof

Shahabi, Cyrus  
529 Spatial Influence — Measuring Followship in the Real World

Shang, Shuo  
1014 Discovering Neighborhood Pattern Queries by Sample Answers in Knowledge Base

Sharaf, Mohamed A.  
731 MuVE: Efficient Multi-Objective View Recommendation for Visual Data Exploration

Shau, James  
1182 SQL-SA for Big Data Discovery: Polymorphic and Parallelizable SQL User-Defined Scalar and Aggregate Infrastructure in Teradata Aster 6.20

S continues on next page…
She, Jieying
49  Online Mobile Micro-Task Allocation in Spatial Crowdsourcing

Shekhar, Apurv Hirsh
1556  Capacity-Constrained Network-Voronoi Diagram

Shekhar, Shashi
1556  Capacity-Constrained Network-Voronoi Diagram

Shi, Lei
1074  TOPIC: TOward Perfect InfluenCe Graph Summarization

Siddiqui, Kashif
1182  SQL-SA for Big Data Discovery: Polymorphic and Parallelizable SQL User-Defined Scalar and Aggregate Infrastructure in Teradata Aster 6.20

Silva, Cláudio T.
1086  A GPU-Based Index to Support Interactive Spatio-Temporal Queries Over Historical Data

Silva, Yasin N.
1448  Similarity Group-By Operators for Multi-Dimensional Relational Data

Siméon, Jérôme
1310  Virtual Lightweight Snapshots for Consistent Analytics in NoSQL Stores

Simmen, David
1182  SQL-SA for Big Data Discovery: Polymorphic and Parallelizable SQL User-Defined Scalar and Aggregate Infrastructure in Teradata Aster 6.20

Singh, Yatindra Nath
1562  Reputation Aggregation in Peer-to-Peer Network Using Differential Gossip Algorithm

S continues on next page…
Skidanov, Alex 
1287 A Column Store Engine for Real-Time Streaming Analytics

Sleiman, Faissal M. 
469 HAWK: Hardware Support for Unstructured Log Processing

Small, Michael 
1502 Subspace Based Network Community Detection Using Sparse Linear Coding

Soliman, Amira 
1330 Beat the DIVa — Decentralized Identity Validation for Online Social Networks

Soria-Comas, Jordi 
1464 t-Closeness Through Microaggregation: Strict Privacy with Enhanced Utility Preservation

Squillaci, Jacopo 
1330 Beat the DIVa — Decentralized Identity Validation for Online Social Networks

Srivastava, Divesh 
1538 Indexing Evolving Events from Tweet Streams

Stier, Christian 
1544 Improving Accuracy and Robustness of Self-Tuning Histograms by Subspace Clustering

Stonebraker, Michael 
1134 DataXFormer: A Robust Transformation Discovery System

Su, Han 
871 Keyword-Aware Continuous kNN Query on Road Networks

Su, Li 
517 Tolerating Correlated Failures in Massively Parallel Stream Processing Engines

S continues on next page…
Su, Mingchuan
1486 Virtual Denormalization via Array Index Reference for Main Memory OLAP

Su, Sen
205 Differentially Private Multi-Party High-Dimensional Data Publishing
229 Differentially Private Frequent Subgraph Mining
1564 Differentially Private Frequent Itemset Mining via Transaction Splitting

Su, Yue
1074 TOPIC: TOward Perfect InfluenCe Graph Summarization

Sun, Aixin
1014 Discovering Neighborhood Pattern Queries by Sample Answers in Knowledge Base

Sun, Guangyu
409 NXgraph: An Efficient Graph Processing System on a Single Machine

Sun, Jun
493 Quality-Driven Disorder Handling for M-Way Sliding Window Stream Joins

Sun, Sibai
1074 TOPIC: TOward Perfect InfluenCe Graph Summarization

Sun, Yu
966 Reverse Nearest Neighbor Heat Maps: A Tool for Influence Exploration

Szlichta, Jaroslaw
1334 OptImatch: Semantic Web System for Query Problem Determination
T

Tagliasacchi, Marco
  1452  Crowdsourcing for Top-K Query Processing Over Uncertain Data

Tahboub, Ruby Y.
  1448  Similarity Group-By Operators for Multi-Dimensional Relational Data

Taiani, Francois
  241  Being Prepared in a Sparse World: The Case of KNN Graph Construction

Takasu, Atsuhiro
  1558  Similar Subtree Search Using Extended Tree Inclusion

Tamura, Takeyuki
  1558  Similar Subtree Search Using Extended Tree Inclusion

Tan, Kian-Lee
  505  Context-Aware Advertisement Recommendation for High-Speed Social News Feeding

Tandon, Prateek
  469  HAWK: Hardware Support for Unstructured Log Processing

Tang, Jie
  1568  The Prediction of Venture Capital Co-Investment Based on Structural Balance Theory

Tang, Mingjie
  1406  Cruncher: Distributed In-Memory Processing for Location-Based Services
  1448  Similarity Group-By Operators for Multi-Dimensional Relational Data

Tang, Peng
  205  Differentially Private Multi-Party High-Dimensional Data Publishing

T continues on next page…
Tang, Wenbin
   1528  Scalable Algorithms for Nearest-Neighbor Joins on Big Trajectory Data
Tang, Xin
   1182  SQL-SA for Big Data Discovery: Polymorphic and Parallelizable SQL User-Defined Scalar and Aggregate Infrastructure in Teradata Aster 6.20
Tang, Yu
   1530  Maximizing a Record’s Standing in a Relation
   1578  Joint Search by Social and Spatial Proximity
Tao, Dacheng
   1460  Tensor Canonical Correlation Analysis for Multi-View Dimension Reduction
   1512  Diversified Hidden Markov Models for Sequential Labeling
Tari, Zahir
   1572  kNNVWC: An Efficient k-Nearest Neighbours Approach Based on Various-Widths Clustering
Taslimitehrani, Vahid
   1508  Pattern-Aided Regression Modeling and Prediction Model Analysis
Tauheed, Farhan
   673   TRANSFORMERS: Robust Spatial Joins on Non-Uniform Data Distributions
Terrovitis, Manolis
   1520  Anonymizing Collections of Tree-Structured Data
Theodoridis, Georgios
   918   ClEveR: Clustering Events with High Density of True-to-False Occurrence Ratio

T continues on next page…
Theodoridis, Yannis
  1470  Privacy-Preserving Indoor Localization on Smartphones

Thiele, Maik
  1402  DebeAQ — Debugging Empty-Answer Queries on Large Data Graphs

Thirumuruganathan, Saravanan
  1366  ANALOC: Efficient ANAlytics Over LOCation Based Services

Thomsen, Christian
  1346  QB2OLAP: Enabling OLAP on Statistical Linked Open Data

Thuraisingham, Bhavani
  481  Efficient Handling of Concept Drift and Concept Evolution Over Stream Data

Tian, Xiuxia
  1478  CloudKeyBank: Privacy and Owner Authorization Enforced Key Management Framework

Tong, Hanghang
  1074  TOPIC: TOward Perfect InfluenCe Graph Summarization

Tong, Yongxin
  49  Online Mobile Micro-Task Allocation in Spatial Crowdsourcing

Towsley, Don
  1050  Minfer: A Method of Inferring Motif Statistics from Sampled Edges

Tung, Kuan-Chieh
  1550  A Framework for Enabling User Preference Profiling Through Wi-Fi Logs
<table>
<thead>
<tr>
<th>U</th>
</tr>
</thead>
<tbody>
<tr>
<td>U, Leong Hou</td>
</tr>
<tr>
<td>1524</td>
</tr>
<tr>
<td>Ulusoy, Huseyin</td>
</tr>
<tr>
<td>217</td>
</tr>
</tbody>
</table>
Vaculín, Roman  
1498  Safe Distribution and Parallel Execution of Data-Centric Workflows Over the Publish/Subscribe Abstraction

Vaisman, Alejandro A.  
1346  QB2OLAP: Enabling OLAP on Statistical Linked Open Data

van Leeuwen, Matthijs  
1480  Association Discovery in Two-View Data

Varga, Jovan  
1346  QB2OLAP: Enabling OLAP on Statistical Linked Open Data

Vasilyeva, Elena  
1402  DebEAQ — Debugging Empty-Answer Queries on Large Data Graphs

Vidhani, Devendra  
1182  SQL-SA for Big Data Discovery: Polymorphic and Parallelizable SQL User-Defined Scalar and Aggregate Infrastructure in Teradata Aster 6.20

Vitorovic, Aleksandar  
313  Load Balancing and Skew Resilience for Parallel Joins

Vo, Huy T.  
1086  A GPU-Based Index to Support Interactive Spatio-Temporal Queries Over Historical Data

Voigt, Hannes  
1362  InVerDa — Co-Existing Schema Versions Made Foolproof
Wan, Lijian
930  Event Regularity and Irregularity in a Time Unit

Wang, Dong
978  Automatic User Identification Method Across Heterogeneous Mobility Data Sources

Wang, Haixun
1552  Understanding Short Texts Through Semantic Enrichment and Hashing

Wang, Hao
942  Discovering Interpretable Geo-Social Communities for User Behavior Prediction

Wang, Jianyong
625  A Model-Based Approach for Text Clustering with Outlier Detection

Wang, Jin
1354  Ranking Support for Matched Patterns Over Complex Event Streams: The CEP$^R$ System

Wang, Kai
767  Answering Why-Not Questions on Metric Probabilistic Range Queries

Wang, Ke
421  Mining Social Ties Beyond Homophily

Wang, Li
1374  Mercury: Metro Density Prediction with Recurrent Neural Network on Streaming CDR Data

Wang, Libin
49  Online Mobile Micro-Task Allocation in Spatial Crowdsourcing

W continues on next page…
<table>
<thead>
<tr>
<th>Name</th>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wang, Ling</td>
<td>1182</td>
<td>SQL-SA for Big Data Discovery: Polymorphic and Parallelizable SQL User-Defined Scalar and Aggregate Infrastructure in Teradata Aster 6.20</td>
</tr>
<tr>
<td>Wang, Min</td>
<td>1552</td>
<td>Understanding Short Texts Through Semantic Enrichment and Hashing</td>
</tr>
<tr>
<td>Wang, Pinghui</td>
<td>1050</td>
<td>Minfer: A Method of Inferring Motif Statistics from Sampled Edges</td>
</tr>
<tr>
<td>Wang, Qiang</td>
<td>1482</td>
<td>i²MapReduce: Incremental MapReduce for Mining Evolving Big Data</td>
</tr>
<tr>
<td>Wang, Qing</td>
<td>1468</td>
<td>Semantic-Aware Blocking for Entity Resolution</td>
</tr>
<tr>
<td>Wang, Shan</td>
<td>1486</td>
<td>Virtual Denormalization via Array Index Reference for Main Memory OLAP</td>
</tr>
<tr>
<td>Wang, Shenlu</td>
<td>1110</td>
<td>Efficiently Computing Reverse $k$ Furthest Neighbors</td>
</tr>
<tr>
<td>Wang, Weiqing</td>
<td>954</td>
<td>SPORE: A Sequential Personalized Spatial Item Recommender System</td>
</tr>
<tr>
<td>Wang, Xiaoling</td>
<td>1478</td>
<td>CloudKeyBank: Privacy and Owner Authorization Enforced Key Management Framework</td>
</tr>
<tr>
<td>Wang, Xiao-Long</td>
<td>1540</td>
<td>App Relationship Calculation: An Iterative Process</td>
</tr>
<tr>
<td>Wang, Xiaoyang</td>
<td>1</td>
<td>Distance-Aware Influence Maximization in Geo-Social Network</td>
</tr>
</tbody>
</table>

W continues on next page…

Wang, Yaxin
1170 A Novel Fast and Memory Efficient Parallel MLCS Algorithm for Long and Large-Scale Sequences Alignments

Wang, Yu
409 NXgraph: An Efficient Graph Processing System on a Single Machine

Wang, Yuping
1170 A Novel Fast and Memory Efficient Parallel MLCS Algorithm for Long and Large-Scale Sequences Alignments
1450 Using Memetic Algorithm for Instance Coreference Resolution

Wang, Zhiyuan
1568 The Prediction of Venture Capital Co-Investment Based on Structural Balance Theory

Wehrmeister, Robert
1182 SQL-SA for Big Data Discovery: Polymorphic and Parallelizable SQL User-Defined Scalar and Aggregate Infrastructure in Teradata Aster 6.20

Wei, Jun
1536 Crawling Hidden Objects with kNN Queries

Wei, Xuan
361 Practical Private Shortest Path Computation Based on Oblivious Storage

Wen, Dong
133 I/O Efficient Core Graph Decomposition at Web Scale

Wen, Ji-Rong
895 Learning Abstract Snippet Detectors with Temporal Embedding in Convolutional Neural Networks
1014 Discovering Neighborhood Pattern Queries by Sample Answers in Knowledge Base

W continues on next page…
Wen, Yonggang
1460  Tensor Canonical Correlation Analysis for Multi-View Dimension Reduction

Wenisch, Thomas F.
469  HAWK: Hardware Support for Unstructured Log Processing

Winslett, Marianne
1374  Mercury: Metro Density Prediction with Recurrent Neural Network on Streaming CDR Data
1456  Efficient Similarity Join Based on Earth Mover’s Distance Using MapReduce

Wong, Hau-San
1484  Incremental Semi-Supervised Clustering Ensemble for High Dimensional Data Clustering

Woodruff, David P.
847  Distributed Low Rank Approximation of Implicit Functions of a Matrix

Wu, Chong
1540  App Relationship Calculation: An Iterative Process

Wu, Dingming
1566  Location Aware Keyword Query Suggestion Based on Document Proximity

Wu, Haishan
978  Automatic User Identification Method Across Heterogeneous Mobility Data Sources

Wu, Huanhuan
145  Reachability and Time-Based Path Queries in Temporal Graphs

W continues on next page…
Wu, Huayu
859  Fuzzy Trajectory Linking
1374  Mercury: Metro Density Prediction with Recurrent Neural Network on Streaming CDR Data

Wu, Jia
1474  Joint Structure Feature Exploration and Regularization for Multi-Task Graph Classification

Wu, Jinxuan
1410  A Demonstration of GeoSpark: A Cluster Computing Framework for Processing Big Spatial Data

Wu, Kuo-Chen
1550  A Framework for Enabling User Preference Profiling Through Wi-Fi Logs

Wu, Min
277  Semantic Proximity Search on Graphs with Metagraph-Based Learning

Wu, Sai
1218  Personal Recommendation Using Deep Recurrent Neural Networks in NetEase

Wu, Si
1484  Incremental Semi-Supervised Clustering Ensemble for High Dimensional Data Clustering

Wu, Tony
1478  CloudKeyBank: Privacy and Owner Authorization Enforced Key Management Framework

Wu, Yinghui
990  Fast Top-K Search in Knowledge Graphs

Wu, Yongwei
1576  Top-k Spatio-Textual Similarity Join

Wu, Zequn
  205  Differentially Private Multi-Party High-Dimensional Data Publishing
Wu, Zhengwei
  978  Automatic User Identification Method Across Heterogeneous Mobility Data Sources
X
Xiao, Ke
229 Differentially Private Frequent Subgraph Mining

Xiao, Xiaokui
361 Practical Private Shortest Path Computation Based on Oblivious Storage
871 Keyword-Aware Continuous $k$NN Query on Road Networks

Xie, Dong
361 Practical Private Shortest Path Computation Based on Oblivious Storage

Xie, Min
954 SPORE: A Sequential Personalized Spatial Item Recommender System

Xie, Xiaohui

Xie, Xike
799 OLAP over Probabilistic Data Cubes I: Aggregating, Materializing, and Querying
1522 Enabling Scalable Geographic Service Sharing with Weighted Imprecise Voronoi Cells

Xiong, Li
229 Differentially Private Frequent Subgraph Mining

Xu, Chao
1460 Tensor Canonical Correlation Analysis for Multi-View Dimension Reduction

Xu, Chen
613 Efficient Fault-Tolerance for Iterative Graph Processing on Distributed Dataflow Systems

X continues on next page...
Xu, Jia
1456 Efficient Similarity Join Based on Earth Mover’s Distance Using MapReduce

Xu, Jianliang
697 Answering Why-Not Spatial Keyword Top-k Queries via Keyword Adaption
1488 Reverse Keyword Search for Spatio-Textual Top-k Queries in Location-Based Services
1510 Geo-Social K-Cover Group Queries for Collaborative Spatial Computing
1532 Structure-Preserving Subgraph Query Services

Xu, Richard Yi Da
1512 Diversified Hidden Markov Models for Sequential Labeling

Xu, Ruzhi
97 VColor: A Practical Vertex-Cut Based Approach for Coloring Large Graphs

Xu, Shengzhi
229 Differentially Private Frequent Subgraph Mining
1564 Differentially Private Frequent Itemset Mining via Transaction Splitting

Xu, Yaoqiang
1576 Top-k Spatio-Textual Similarity Join

Xuan, Yuan
1074 TOPIC: TOward Perfect InfluenCe Graph Summarization

Xue, Andy Yuan
966 Reverse Nearest Neighbor Heat Maps: A Tool for Influence Exploration

Xue, Mingqiang
859 Fuzzy Trajectory Linking

X continues on next page...
Xue, Xingsi
1450  Using Memetic Algorithm for Instance Coreference Resolution
ICDE 2016 Conference Detailed Author Index [Page 79 / 89]

Y
Yan, Hui
1536 Crawling Hidden Objects with kNN Queries

Yan, Xifeng
990 Fast Top-K Search in Knowledge Graphs
1158 Fast Motif Discovery in Short Sequences
1494 Querying Knowledge Graphs by Example Entity Tuples

Yang, Chengcheng
433 Self-Adaptive Linear Hashing for Solid State Drives

Yang, Fangchun
1564 Differentially Private Frequent Itemset Mining via Transaction Splitting

Yang, Guolei
337 Authentication of Function Queries

Yang, Huazhong
409 NXgraph: An Efficient Graph Processing System on a Single Machine

Yang, Jianye
709 Influence Based Cost Optimization on User Preference

Yang, KwangSoo
1556 Capacity-Constrained Network-Voronoi Diagram

Yang, Shengqi
990 Fast Top-K Search in Knowledge Graphs

Y continues on next page…

Yang, Shuai
1182 SQL-SA for Big Data Discovery: Polymorphic and Parallelizable SQL User-Defined Scalar and Aggregate Infrastructure in Teradata Aster 6.20

Yang, Xuan
1528 Scalable Algorithms for Nearest-Neighbor Joins on Big Trajectory Data

Yao, Bin
361 Practical Private Shortest Path Computation Based on Oblivious Storage

Yi, Xun
373 Practical Privacy-Preserving User Profile Matching in Social Networks

Yin, Hongzhi
871 Keyword-Aware Continuous kNN Query on Road Networks
942 Discovering Interpretable Geo-Social Communities for User Behavior Prediction
954 SPORE: A Sequential Personalized Spatial Item Recommender System

Yin, Jianhua
625 A Model-Based Approach for Text Clustering with Outlier Detection

Yin, Jie
1534 TrGraph: Cross-Network Transfer Learning via Common Signature Subgraphs

Ying, Shanshan
1374 Mercury: Metro Density Prediction with Recurrent Neural Network on Streaming CDR Data

Yiu, Man Lung
1522 Enabling Scalable Geographic Service Sharing with Weighted Imprecise Voronoi Cells
1524 Beyond Millisecond Latency kNN Search on Commodity Machine

Y continues on next page...
Yom-Tov, Elad
1230 Recommendations Meet Web Browsing: Enhancing Collaborative Filtering Using Internet Browsing Logs

Yoo, Shinjae
637 Streaming Spectral Clustering

Yoon, Sungroh
743 Collaborative Analytics for Data Silos

You, Jane
1484 Incremental Semi-Supervised Clustering Ensemble for High Dimensional Data Clustering

Yu, Chengchao
1218 Personal Recommendation Using Deep Recurrent Neural Networks in NetEase

Yu, Daniel
1182 SQL-SA for Big Data Discovery: Polymorphic and Parallelizable SQL User-Defined Scalar and Aggregate Infrastructure in Teradata Aster 6.20

Yu, Ge
1338 INSQ: An Influential Neighbor Set Based Moving kNN Query Processing System
1456 Efficient Similarity Join Based on Earth Mover’s Distance Using MapReduce
1482 i^2MapReduce: Incremental MapReduce for Mining Evolving Big Data

Yu, Jeffrey Xu
133 I/O Efficient Core Graph Decomposition at Web Scale
157 Scalable Supergraph Search in Large Graph Databases

Y continues on next page...
Yu, Jia
1410 A Demonstration of GeoSpark: A Cluster Computing Framework for Processing Big Spatial Data

Yu, Philip S.
1474 Joint Structure Feature Exploration and Regularization for Multi-Task Graph Classification

Yu, Xiaohui
97 VColor: A Practical Vertex-Cut Based Approach for Coloring Large Graphs

Yu, Zheng
1552 Understanding Short Texts Through Semantic Enrichment and Hashing

Yu, Zhiwen
1454 Adaptive Noise Immune Cluster Ensemble Using Affinity Propagation
1484 Incremental Semi-Supervised Clustering Ensemble for High Dimensional Data Clustering

Yuan, Mingxuan
1522 Enabling Scalable Geographic Service Sharing with Weighted Imprecise Voronoi Cells

Yue, Lihua
433 Self-Adaptive Linear Hashing for Solid State Drives
Z
Zampetakis, Stamatis
  1394 Flexible Hybrid Stores: Constraint-Based Rewriting to the Rescue
Zaniolo, Carlo
  1354 Ranking Support for Matched Patterns Over Complex Event Streams: The CEP® System
Zehnder, Benjamin
  37 Revenue Maximization by Viral Marketing: A Social Network Host’s Perspective
Zeinalipour-Yazti, Demetrios
  1470 Privacy-Preserving Indoor Localization on Smartphones
  1490 Distributed In-Memory Processing of All k Nearest Neighbor Queries
Zhang, Chengqi
  1474 Joint Structure Feature Exploration and Regularization for Multi-Task Graph Classification
  1534 TrGraph: Cross-Network Transfer Learning via Common Signature Subgraphs
Zhang, Dezhi
  433 Self-Adaptive Linear Hashing for Solid State Drives
Zhang, Dongxiang
  505 Context-Aware Advertisement Recommendation for High-Speed Social News Feeding
  1218 Personal Recommendation Using Deep Recurrent Neural Networks in NetEase
Zhang, Haida
  1514 Metric All-k-Nearest-Neighbor Search

Z continues on next page...
Zhang, Jun
1454 Adaptive Noise Immune Cluster Ensemble Using Affinity Propagation
1484 Incremental Semi-Supervised Clustering Ensemble for High Dimensional Data Clustering

Zhang, Meihui
1546 CrowdOp: Query Optimization for Declarative Crowdsourcing Systems

Zhang, Nan
1366 ANALOC: Efficient ANAlytics Over LOCation Based Services
1536 Crawling Hidden Objects with kNN Queries

Zhang, Qing
1538 Indexing Evolving Events from Tweet Streams

Zhang, Rui
966 Reverse Nearest Neighbor Heat Maps: A Tool for Influence Exploration
1338 INSQ: An Influential Neighbor Set Based Moving kNN Query Processing System

Zhang, Wenjie
1 Distance-Aware Influence Maximization in Geo-Social Network
85 Computing Connected Components with Linear Communication Cost in Pregel-Like Systems
253 pSCAN: Fast and Exact Structural Graph Clustering
709 Influence Based Cost Optimization on User Preference
1542 Efficient Probabilistic Supergraph Search

Zhang, Xi
1466 Domain-Sensitive Recommendation with User-Item Subgroup Analysis

Z continues on next page…
Zhang, Xiangliang
1462  TRIP: An Interactive Retrieving-Inferring Data Imputation Approach

Zhang, Xiangling
1350  SEED: A System for Entity Exploration and Debugging in Large-Scale Knowledge Graphs

Zhang, Yanfeng
1482  i²MapReduce: Incremental MapReduce for Mining Evolving Big Data

Zhang, Yansong
1486  Virtual Denormalization via Array Index Reference for Main Memory OLAP

Zhang, Ying
1  Distance-Aware Influence Maximization in Geo-Social Network
133  I/O Efficient Core Graph Decomposition at Web Scale
709  Influence Based Cost Optimization on User Preference
1110  Efficiently Computing Reverse & Furthest Neighbors
1486  Virtual Denormalization via Array Index Reference for Main Memory OLAP
1542  Efficient Probabilistic Supergraph Search

Zhang, Yu
1486  Virtual Denormalization via Array Index Reference for Main Memory OLAP

Zhang, Zhenjie
1374  Mercury: Metro Density Prediction with Recurrent Neural Network on Streaming CDR Data
1456  Efficient Similarity Join Based on Earth Mover’s Distance Using MapReduce

Z continues on next page…
Zhang, Zhensong
1170  A Novel Fast and Memory Efficient Parallel MLCS Algorithm for Long and Large-Scale Sequences Alignments

Zhao, Junzhou
1050  Minfer: A Method of Inferring Motif Statistics from Sampled Edges

Zhao, Kun
895  Learning Abstract Snippet Detectors with Temporal Embedding in Convolutional Neural Networks

Zhao, Peixiang
553  Link Prediction in Graph Streams
1038  Edge Classification in Networks

Zhao, Penghua
1326  A Query System for Social Media Signals

Zhao, Xiang-Nan
1540  App Relationship Calculation: An Iterative Process

Zheng, Angen
121  Planar: Parallel Lightweight Architecture-Aware Adaptive Graph Repartitioning

Zheng, Baihua
1500  Top-k Dominating Queries on Incomplete Data

Zheng, Bolong
871  Keyword-Aware Continuous kNN Query on Road Networks

Z continues on next page...

Zheng, Kai
871  Keyword-Aware Continuous kNN Query on Road Networks
895  Learning Abstract Snippet Detectors with Temporal Embedding in Convolutional Neural Networks
942  Discovering Interpretable Geo-Social Communities for User Behavior Prediction
1014 Discovering Neighborhood Pattern Queries by Sample Answers in Knowledge Base

Zheng, Liu
73   Mutual Benefit Aware Task Assignment in a Bipartite Labor Market

Zheng, Vincent W.
277  Semantic Proximity Search on Graphs with Metagraph-Based Learning
1002 Learning to Query: Focused Web Page Harvesting for Entity Aspects

Zheng, Yudian
61   Crowdsourced POI Labelling: Location-Aware Result Inference and Task Assignment

Zheng, Zhonglong
791  CLEAR: Clustering based on Locality Embedding And Reconstruction

Zhong, Hua
1536 Crawling Hidden Objects with kNN Queries

Zhong, Peilin
847  Distributed Low Rank Approximation of Implicit Functions of a Matrix

Zhou, Aoying
1478 CloudKeyBank: Privacy and Owner Authorization Enforced Key Management Framework

Z continues on next page...
Zhou, Hongjun
1158 Fast Motif Discovery in Short Sequences

Zhou, Shuigeng
97 VColor: A Practical Vertex-Cut Based Approach for Coloring Large Graphs

Zhou, Xiaofang
871 Keyword-Aware Continuous kNN Query on Road Networks
942 Discovering Interpretable Geo-Social Communities for User Behavior Prediction
954 SPORE: A Sequential Personalized Spatial Item Recommender System
1462 TRIP: An Interactive Retrieving-Inferring Data Imputation Approach

Zhou, Xuan
1350 SEED: A System for Entity Exploration and Debugging in Large-Scale Knowledge Graphs
1486 Virtual Denormalization via Array Index Reference for Main Memory OLAP

Zhou, Yongluan
517 Tolerating Correlated Failures in Massively Parallel Stream Processing Engines

Zhou, Yun
1568 The Prediction of Venture Capital Co-Investment Based on Structural Balance Theory

Zhu, Feida
421 Mining Social Ties Beyond Homophily

Zhu, Gaoping
1542 Efficient Probabilistic Supergraph Search

Zhu, Jingbo
1218 Personal Recommendation Using Deep Recurrent Neural Networks in NetEase

Z continues on next page...
Zhu, Ke
  1542 Efficient Probabilistic Supergraph Search
Zhu, Rong
  565 SimRank Computation on Uncertain Graphs
Zhu, Xingquan
  1474 Joint Structure Feature Exploration and Regularization for Multi-Task Graph Classification
  1534 TrGraph: Cross-Network Transfer Learning via Common Signature Subgraphs
Zou, Zhaonian
  565 SimRank Computation on Uncertain Graphs
Züfle, Andreas
  1122 Indexing Multi-Metric Data
Zuzarte, Calisto
  1334 OptImatch: Semantic Web System for Query Problem Determination