

A Complete Bibliography of Publications in *IEEE Transactions on Big Data*

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254
FAX: +1 801 581 4148

E-mail: beebe@math.utah.edu, beebe@acm.org,
beebe@computer.org (Internet)
WWW URL: <http://www.math.utah.edu/~beebe/>

29 October 2019
Version 1.04

Title word cross-reference

k [LBL⁺18, XLP⁺18].

-Location [LBL⁺18].

1 [CCD19].

8 [CWGA17].

Accelerated [CXT⁺18, Mat16].

Accelerating [WJW⁺18]. **Access**

[HLC⁺18]. **Action** [YLLC18]. **Activities**

[LCS18]. **Activity** [JFG17, YLLC18].

Activity-Based [JFG17]. **Ad** [TAL⁺17].

Ad-Hoc [TAL⁺17]. **Adaptable** [SGMB17].

Adaptive [KKKK16, Yan15a]. **Agile**

[CKH16]. **Aid** [FZ18]. **Air** [ZSL17, ZZZ⁺18].
Algorithm [BLYM19]. **Algorithms**
[ADF⁺17, BTM16, Gil16]. **AlgorithmSeer**
[Gil16]. **Allocation**
[DQWQ18, JHT18, QSC19]. **AMS** [Yan15a].
Analysis
[DH18, FMD18, HH18, LCS18, LLY⁺17,
MBS⁺19, PIMP17, WOD⁺18, ZCH⁺18].
Analysis-Based [WOD⁺18]. **Analytics**
[ADF⁺17, CKH16, CQH⁺18, JGS⁺19,
JHT18, MLQ⁺19, SVYY16, WZY⁺18,
WXZ⁺19, WTM18, Yao15, ZWC⁺16].
Analyzing [DLD⁺17, LWH18, PWH16].
Android [AK19]. **Annotation** [Zhu15].
Anomalous [HHX⁺19]. **Answer**
[LS18a, SLWV17]. **Answers** [LS18a].
Apache [BTM16, SZY⁺18]. **Application**
[ADF⁺17]. **Applications**

- [BLYM19, CCD19, DQWQ18, LB19, NGM16, SYv⁺19, ZWV⁺19, ZLC⁺17].
- Approach** [CKH16, KJC⁺18, PWH16, WJW⁺18].
- Approximation** [SWF16]. **Arc** [HHX⁺19].
- Architecting** [BVAW⁺16]. **Architecture** [BLYM19, CKH16]. **Architecture-Centric** [CKH16]. **Architectures** [Gou19, HCZ19].
- Areas** [HBLK17]. **Art** [WYLD18]. **Article** [WWSB16, XLLC16]. **Article-Level** [WWSB16]. **Assembling** [FMD18].
- Assessment** [Tao15]. **Assignment** [LLF⁺19]. **Attribute** [CDLW19].
- Attribute-Based** [CDLW19]. **Author** [XLLC16]. **Auto** [JKF19]. **Auto-Encoder** [JKF19]. **Aware** [DH18, HD19, LLY⁺18, NHL18, SGMB17].
- Awareness** [WOD⁺18].
- Balance** [QXZ⁺18]. **Based** [BTM16, CKH16, CSL⁺18, CDLW19, FYD⁺19, JFG17, LBZ19, LLY⁺17, QXZ⁺18, SLWV17, Sun15, WSW⁺18, WWSB16, WTM18, WOD⁺18, ZHL⁺17, CQH⁺18].
- Batch** [Gou19]. **BCI** [HPESZ17]. **Be** [Cha16]. **Behavior** [CLM17, HHX⁺19].
- Behavioral** [FZ18]. **Benchmark** [Wan16].
- Big** [Agg15a, Agg15b, Agg16, ADOAH19, Ano15a, Ano15b, Ano17a, Ano18a, Ano19a, BVAW⁺16, BTM16, BLYM19, CZG⁺19, Can16, CKH16, CCD19, CLF⁺18, Cra15, CSL⁺18, DQWQ18, DFG⁺19, DLL⁺16, DH18, ECG⁺19, FZ18, FYD⁺19, Fu16, Gil16, Gou19, HD19, HCZ19, HPESZ17, HLC⁺18, JHT18, LLSL19, LTTC16, LTTC17, LW18, LLY⁺18, LLF⁺19, MLQ⁺19, PWH16, PIMP17, PWS⁺19, QXZ⁺18, SSSB16, SCW18, SVYY16, SRM17, TAL19, WTRK16, WQSA17, WYLD18, WZY⁺18, WXZ⁺19, WTM18, WS17, WOD⁺18, WZLS18a, XWBL17, YDY⁺16, Yan15b, Yao15, Yu15, ZHL⁺17, ZYYK18, ZWV⁺19, ZQZ⁺17, ZCH⁺18, ZSL17, ZLC⁺17, ZZZ⁺18, CW18a, CW18b]. **Big-Data** [BVAW⁺16, DFG⁺19]. **Biomarkers** [ZSHS17]. **Biomedical** [ZLC⁺17]. **Blob** [WJS⁺16]. **Blob-Filaments** [WJS⁺16]. **Brokerage** [QSC19].
- Caching** [CSL⁺18]. **CaL** [LS18b]. **Cameras** [SCW18]. **Can** [Cha16]. **Capacity** [Mat16]. **Case** [JFG17, LCS18]. **Categories** [CZ17a]. **Causal** [ZZZ⁺18]. **Causality** [ZSL17, ZZZ⁺18]. **Cell** [LLCS17]. **Cellular** [FMD18]. **Centers** [JGS⁺19, LLY⁺18, SWTX18]. **Centric** [CKH16]. **Challenge** [NGM16]. **Change** [DLD⁺17]. **Changes** [Kit16].
- Characterizing** [CSW18]. **Choices** [LLY⁺17]. **Choking** [Liu15]. **Citation** [WWSB16]. **Cities** [HBLK17]. **City** [Kit16]. **Class** [LRL⁺17]. **Classification** [ZJZ⁺19]. **Classifier** [AK19]. **Classify** [CZ17a].
- Cloud** [CDLW19, DQWQ18, FYD⁺19, HHX⁺19, LB19, QSC19, SD18, WTM18, YDY⁺16, YZDZ19, ZYYK18]. **Clouds** [HLC⁺18, JHT18]. **Clustering** [BTM16, HD19, Liu15, SSSB16, WWSB16, WZLS18b].
- Clusters** [WJW⁺18]. **Code** [Sun15]. **Codes** [KGJØ18]. **Collaboration** [Can16, LTTC16, LTTC17]. **Collaborative** [ADOAH19]. **Commerce** [QXZ⁺18].
- Commodity** [WJW⁺18]. **Common** [XLLC16]. **Communication** [ZYB⁺16].
- Communities** [ADF⁺17]. **Community** [CZ17b]. **Comparison** [ADF⁺17].
- Complex** [SD18]. **Composable** [WZLS18a]. **Compression** [DH18]. **Computation** [HB16, WSW⁺18]. **Computing** [MLQ⁺19, QSC19, WTM18, YZDZ19, ZYB⁺16, ZWC⁺16, ZMS17]. **Concurrency** [LS18b]. **Confidentiality** [PWS⁺19].
- Congestion** [NLC17]. **Connections** [CSW18]. **Connectivity** [PIMP17].
- Consider** [LS18b]. **Consistency** [LRL⁺17, SGMB17]. **Consistent** [Sun15].
- Constrained** [JKF19]. **Content** [AR18, DH18, WTRK16]. **Content-Aware**

- [DH18]. **Context** [SYv⁺¹⁹]. **Context-Driven** [SYv⁺¹⁹]. **Continued** [LTTC16]. **Contrast** [LLCS17]. **Control** [HLC⁺¹⁸, SYv⁺¹⁹]. **Convex** [LLSL19]. **Coping** [Mat16]. **Copy** [Wan16]. **Correction** [LY17]. **Cost** [NHL18]. **Cost-Effective** [NHL18]. **Covariance** [CQH⁺¹⁸]. **Crime** [WYK⁺¹⁹]. **Criterion** [Sun15]. **Critical** [BVAW⁺¹⁶, LLCS17]. **Cross** [Zhe15]. **Cross-Domain** [Zhe15]. **Cyber** [CCD19]. **Cybersecurity** [TAL19]. **Data** [Agg15a, Agg15b, Agg16, ADF⁺¹⁷, ADOAH19, BVAW⁺¹⁶, BTM16, BLYM19, CZG⁺¹⁹, Can16, CLM17, CKH16, CXT⁺¹⁸, CW18a, CW18b, CCD19, CQH⁺¹⁸, CLF⁺¹⁸, CSL⁺¹⁸, CDLW19, DQWQ18, DFG⁺¹⁹, DLL⁺¹⁶, DH18, ECG⁺¹⁹, FZ18, FYD⁺¹⁹, Gil16, Gou19, HD19, HCZ19, HB16, HPESZ17, HLC⁺¹⁸, JGS⁺¹⁹, JFG17, JHT18, KKKK16, KJC⁺¹⁸, LTX16, LLSL19, LTTC16, LTTC17, LS18b, LW18, LLY⁺¹⁸, LLF⁺¹⁹, MLQ⁺¹⁹, NLC17, Ni15, NHL18, PWH16, PIMP17, PWS⁺¹⁹, QXZ⁺¹⁸, SD18, SSSB16, SCW18, SVYY16, SZY⁺¹⁸, SRM17, SWTX18, TAL19, TAL⁺¹⁷, WTRK16, WQSA17, WYLD18, WZY⁺¹⁸, WYK⁺¹⁹, WXZ⁺¹⁹, WTM18, WS17, WOD⁺¹⁸, WZLS18a, XWBL17, YDY⁺¹⁶, YZDZ19, Yao15, Yu15, ZHL⁺¹⁷, ZYYK18, ZWV⁺¹⁹, ZFLC19, ZQZ⁺¹⁷, ZCH⁺¹⁸, Zhe15, ZSL17, ZLC⁺¹⁷, ZZZ⁺¹⁸, Ano15a, Ano15b, Ano17a, Ano18a, Ano19a, Cra15, Yan15b]. **Data-as-a-Service** [WYLD18]. **Data-Aware** [HD19]. **Data-Driven** [KJC⁺¹⁸]. **Data-Pattern** [ECG⁺¹⁹]. **Databases** [KKF16]. **Dataset** [FMD18, WZLS18b]. **Datasets** [Kot15, WZY⁺¹⁸]. **Datastores** [SGMB17]. **De-Identification** [DWSJ19]. **Debugging** [LY17]. **Decisions** [JGS⁺¹⁹]. **Decline** [XLL⁺¹⁸]. **Decomposition** [LW18]. **Deduplication** [CDLW19, YDY⁺¹⁶, YZDZ19]. **Deep** [HPESZ17, JKF19, Zhu15]. **Demand** [QSC19, ZHL⁺¹⁷]. **Densest** [WS17]. **Dependencies** [TAL19]. **Deployment** [LB19]. **Descriptors** [YLLC18]. **Design** [JGS⁺¹⁹]. **Detecting** [DLD⁺¹⁷, HHX⁺¹⁹, XLL⁺¹⁸]. **Detection** [AK19, ADOAH19, CZ17b, LLCS17, NCS17, Wan16, WJS⁺¹⁶]. **Determination** [WHT18]. **Device** [Mat16]. **Different** [XLL⁺¹⁸]. **Differentiated** [PWH16]. **Dimensional** [CQH⁺¹⁸, IFG⁺¹⁸, KKKK16, XLP⁺¹⁸]. **DiNoDB** [TAL⁺¹⁷]. **DiP** [SRM17]. **DiP-SVM** [SRM17]. **Directed** [ADF⁺¹⁷]. **DISboards** [LCS18]. **Disclosure** [SYv⁺¹⁹, TAL19]. **Discovering** [NLC17, WS17, DSS16]. **Discovery** [Can16, LTTC16, LTTC17, TEOS17, ZWV⁺¹⁹]. **Discrete** [Li15]. **Discrimination** [LRL⁺¹⁷]. **Discussion** [LCS18]. **Distinctive** [HBLK17]. **Distributed** [BLYM19, CWGA17, DFG⁺¹⁹, DLL⁺¹⁶, LTX16, MLQ⁺¹⁹, MBS⁺¹⁹, Mat16, Ni15, SWTX18, Yu15, ZYB⁺¹⁶, ZCH⁺¹⁸]. **Distribution** [SRM17, WZY⁺¹⁸]. **Domain** [Zhe15]. **Driven** [KJC⁺¹⁸, SCW18, SYv⁺¹⁹]. **DVFS** [LLY⁺¹⁸]. **DVFS-Enabled** [LLY⁺¹⁸]. **Dynamic** [LBZ19]. **Dynamics** [SCA⁺¹⁷, ZFLC19]. **E-Commerce** [QXZ⁺¹⁸]. **Economic** [ZCH⁺¹⁸]. **Editorial** [Agg15a, Agg15b, Agg16, Can16, CW18a, CW18b, LTTC16, LTTC17, SVYY16, WQSA17, Yan17, Yan18, Yao15, ZMS17]. **Editors** [HCZ19]. **EEG** [HPESZ17, LRL⁺¹⁷]. **Effective** [DBAM17, GKR17, KJC⁺¹⁸, NHL18, SCA⁺¹⁷, SZY⁺¹⁸]. **Efficient** [DWSJ19, Hua15, KKF16, LOL17, LLSL19, SLC⁺¹⁸, WS17, ZQZ⁺¹⁷, ZCH⁺¹⁸]. **Electricity** [WXZ⁺¹⁹]. **Embracing** [Liu15]. **Emergency** [XLL⁺¹⁸]. **Emerging** [HCZ19].

- Empirical** [ADF⁺17, DBAM17]. **Empowered** [WJW⁺18]. **Enabled** [ECG⁺19, LLY⁺18]. **Encoder** [JKF19]. **Encrypted** [CDLW19, YDY⁺16]. **Encryption** [PWS⁺19]. **Engine** [TAL⁺17]. **Engineering** [DSS16]. **Enhanced** [FZ18]. **Ensure** [PWS⁺19]. **Ensuring** [WSW⁺18]. **Environment** [FYD⁺19]. **Environments** [SD18, XLP⁺18]. **Equations** [SLC⁺18]. **Erasure** [KGJØ18]. **Estimation** [JKF19, ZSL17]. **Euler** [WZLS18b]. **Evaluation** [CQH⁺18, SD18, Wan16]. **Event** [NCS17]. **Events** [XLL⁺18]. **Evolutionary** [HD19]. **Exploiting** [SWF16, WS17, XLLC16]. **Exploration** [Kit16, MBS⁺19, Tao15]. **Exploring** [ZQK17]. **Explosion** [Liu15]. **Extended** [ZSL17]. **Extending** [LS18b]. **Extracting** [Gil16].
- Fair** [JHT18]. **Fast** [AR18]. **Feature** [ZCH⁺18]. **Features** [WJS⁺16]. **Filaments** [WJS⁺16]. **File** [SWTX18]. **Filtering** [HH18]. **Finance** [ZYK18]. **Find** [ADF⁺17]. **Fine** [CZ17a, LOLL17]. **Fine-Grained** [CZ17a, LOLL17]. **Flexible** [ZQZ⁺17]. **Flow** [SCA⁺17]. **Flows** [Kit16]. **fMRI** [MLQ⁺19, PIMP17]. **Forecasting** [WXZ⁺19]. **Formation** [Ng16]. **Forum** [LCS18]. **Framework** [CZ17b, DLL⁺16, WTRK16, WYLD18, WZLS18a]. **Frameworks** [NHL18]. **Functional** [PIMP17]. **Fusion** [AK19, WJS⁺16, Zhe15]. **Fuzzy** [BTM16].
- Game** [CZ17b]. **Game-Theoretic** [CZ17b]. **Gaussian** [LOLL17]. **General** [LLY⁺17]. **Generative** [WHT18]. **Genetic** [ZSHS17]. **Geo** [JKF19]. **Geo-Constrained** [JKF19]. **Geographical** [ZQK17]. **Geographically** [DFG⁺19]. **Geotagged** [CLM17]. **Geotagging** [KKF16]. **GPS** [JKF19, LLY⁺17]. **GPU** [CXT⁺18, Mat16]. **GPU-Accelerated** [CXT⁺18, Mat16].
- Grained** [CZ17a, LOLL17]. **Granger** [ZSL17]. **Granular** [SYv⁺19]. **Graph** [LRL⁺17, SWF16, ZYB⁺16, ZSHS17]. **Graph-Parallel** [ZYB⁺16]. **Graph-Regularized** [ZSHS17]. **Graphs** [ADF⁺17, HH18]. **Green** [NHL18, QSC19]. **Green-Aware** [NHL18]. **Grid** [CQH⁺18, WXZ⁺19, WOD⁺18]. **Grids** [LLF⁺19]. **Guarantee** [SYS⁺18]. **Guest** [Agg15a, Agg15b, Agg16, Can16, CW18a, CW18b, LTTC16, LTTC17, SVYY16, WQSA17, Yao15, ZMS17, HCZ19].
- Habits** [DBAM17]. **Hadoop** [DH18]. **Handling** [BTM16, HD19]. **Hashing** [Li15, Sun15]. **HashTag** [KGJØ18]. **HDFS** [HD19]. **HDM** [WZLS18a]. **Heterogeneous** [Gou19, YZDZ19, ZSL17]. **Hidden** [HHX⁺19]. **Hierarchical** [DLL⁺16, KKKK16, WWSB16]. **High** [CXT⁺18, CQH⁺18, DLD⁺17, FYD⁺19, IFG⁺18, KKKK16, LS18a, XLP⁺18]. **High-Dimensional** [CQH⁺18, IFG⁺18, XLP⁺18]. **High-Order** [FYD⁺19]. **High-Quality** [LS18a]. **High-Throughput** [CXT⁺18]. **Highly** [DBAM17]. **Historical** [XLLC16]. **Hoc** [TAL⁺17]. **Homogeneous** [JGS⁺19]. **Hotspot** [TEOS17]. **Human** [JFG17, YLLC18]. **Hyperparameter** [WHT18].
- Ideas** [DSS16]. **Identification** [DWSJ19]. **Identifying** [ZSHS17, ZZZ⁺18]. **Idiosyncratic** [HBLK17]. **IEEE** [Ano15a, Ano15b, Ano17a, Ano18a, Ano19a, Cra15, Yan15b]. **II** [CW18b]. **Image** [DLL⁺16, KKF16, Li15, LLCS17, Tao15, Zhu15]. **Images** [CSW18]. **Imaging** [LRL⁺17]. **Impact** [Cha16, DLD⁺17]. **In-Class** [LRL⁺17]. **In-Memory** [AR18, CZG⁺19]. **Incoming** [AR18]. **Incorporated** [LCS18]. **Index** [Ano17a, Ano18a, Ano19a]. **Indexing**

- [AR18, Li15, Yan15a, ZQZ⁺17]. **Induced** [ZJZ⁺19]. **Inference** [SCA⁺17, WYK⁺19]. **Inferred** [JFG17]. **Influential** [LBL⁺18, LBZ19]. **Information** [LWH18, Liu15, NCS17, Sun15]. **Information-Theoretic** [Sun15]. **Infrastructure** [CW18a, CW18b, DQWQ18, FZ18, ZYYK18]. **Infrastructures** [WTM18]. **Integrity** [WSW⁺18]. **Intelligence** [CCD19]. **Intelligent** [SCW18]. **Interactive** [TAL⁺17]. **Interactive-Speed** [TAL⁺17]. **Internet** [HPESZ17, SYv⁺19]. **Interval** [SSSB16]. **Introduction** [HCZ19, Yan15b]. **ISP** [CSL⁺18]. **Issue** [CCD19, HCZ19, LTTC16, ZLC⁺17]. **Iterative** [AK19].
- Java** [CWGA17]. **Joint** [SYS⁺18]. **JouleMR** [NHL18]. **Journal** [Yan17, Yan18, Yan19].
- Kernel** [SRM17, ZJZ⁺19]. **Kernel-Induced** [ZJZ⁺19]. **Knowledge** [LCS18]. **Kvasir** [WTRK16].
- Label** [ZJZ⁺19, Zhu15]. **Labeling** [Liu15]. **Lanczos** [FYD⁺19]. **Lanczos-Based** [FYD⁺19]. **Landmark** [JKF19]. **Large** [CZ17b, HB16, KKF16, Kot15, Li15, LLSL19, Mat16, SLC⁺18, WZLS18b]. **Large-Scale** [HB16, Li15, LLSL19, Mat16, SLC⁺18, WZLS18b]. **Latency** [XLL⁺18]. **Learning** [BLYM19, CZ17a, CLF⁺18, HPESZ17, Hua15, Yu15, ZLC⁺17, Zhu15]. **Level** [WWSB16]. **Library** [CWGA17]. **Lifespans** [DSS16]. **Lifestyles** [HBLK17]. **Lightweight** [ZYB⁺16]. **Linear** [SLC⁺18, TEOS17]. **List** [Ano19b]. **List*** [Ano17b]. **Literature** [LWH18]. **Live** [DSS16]. **Local** [LOLL17]. **Locality** [LS18b]. **Location** [LBL⁺18]. **Locations** [ZQK17]. **Long** [DSS16]. **Longitudinal** [FZ18]. **Lookup** [SWTX18]. **Low** [ECG⁺19, ZSHS17]. **Low-Power** [ECG⁺19]. **Low-Rank** [ZSHS17]. **LS** [LW18, Yan15a]. **LS-AMS** [Yan15a]. **LS-Decomposition** [LW18].
- Machine** [SRM17, Yu15]. **Malware** [AK19]. **Management** [CZG⁺19, YZDZ19]. **Mapping** [ZJZ⁺19]. **MapReduce** [DWSJ19, DFG⁺19, Gou19, NGM16, WJW⁺18, WSW⁺18]. **Markov** [HHX⁺19]. **Massive** [AR18, CQH⁺18, LBL⁺18, ZFLC19]. **Max** [JHT18]. **Max-Min** [JHT18]. **Media** [Agg15a, Agg15b, Agg16, CSW18, Fu16, HBLK17, KJC⁺18, WQSA17, ZWV⁺19]. **Mega** [Kit16]. **Mega-City** [Kit16]. **MemePiC** [CZG⁺19]. **Memory** [AR18, CZG⁺19, IFG⁺18, Mat16, NGM16]. **Merkle** [WSW⁺18]. **Metadata** [SWTX18, ZQZ⁺17]. **MetaFlow** [SWTX18]. **Metering** [PWH16]. **Method** [FZ18, PWS⁺19]. **Methodologies** [Zhe15]. **Methods** [Wan16, WS17]. **Metro** [Kit16]. **Metropolitan** [HBLK17]. **Microblogging** [Liu15]. **Microblogs** [Yan15a]. **Microscopy** [LLCS17]. **Min** [JHT18]. **Mining** [Agg15a, Agg15b, Agg16, CLM17, HB16, LBL⁺18, LBZ19, WQSA17]. **Misalignment** [CZ17a]. **Missing** [SZY⁺18]. **Mitosis** [LLCS17]. **Mitotic** [NCS17]. **Mobile** [FMD18, JFG17, ZFLC19, ZQK17]. **Mobility** [JFG17]. **Model** [HHX⁺19, LBZ19, WHT18, WYK⁺19, ZSL17]. **Modeling** [CLM17, CZ17b, LTX16, NCS17, ZHL⁺17]. **Modelling** [CQH⁺18]. **Modern** [WYK⁺19]. **Monitoring** [SCW18]. **Most** [LBL⁺18]. **MtMR** [WSW⁺18]. **Multi** [Fu16, Zhu15]. **Multi-Label** [Zhu15]. **Multi-Source** [Fu16]. **Multidimensional** [MBS⁺19]. **Multimedia** [AR18]. **Multiple** [CQH⁺18, LLY⁺17, SYS⁺18]. **Multivariable** [SZY⁺18].

Nearest [SWF16, XLP⁺18]. **Neighbor** [SWF16]. **Neighbors** [XLP⁺18]. **Nested** [HHX⁺19]. **Nested-Arc** [HHX⁺19]. **Network** [FMD18, Kit16, LCS18, SLWV17, WWSB16, ZHL⁺17]. **Networks** [CZ17b, CSL⁺18, LBZ19, SYS⁺18]. **NGD** [HH18]. **Nodes** [LBZ19]. **Non** [JKF19, WYK⁺19]. **Non-Landmark** [JKF19]. **Non-Stationary** [WYK⁺19]. **Nonlinear** [KKK16]. **Nonparametric** [BLYM19]. **NoSQL** [SD18].

Object [LY17]. **Objects** [CZH⁺17]. **Online** [CXT⁺18, CLF⁺18, SLWV17]. **Optimal** [GKR17]. **Optimization** [LS18b, SD18]. **Optimized** [HPESZ17]. **Order** [FYD⁺19]. **Oriented** [LB19]. **Orthogonal** [FYD⁺19]. **Out-Class** [LRL⁺17]. **Outbreak** [XLL⁺18]. **Outsourced** [XLP⁺18]. **Outsourcing** [LLSL19, SLC⁺18]. **Overfitting** [CLF⁺18]. **Overhead** [ZYB⁺16]. **Overview** [Zhe15, ZWC⁺16].

Paradigm [Gou19]. **Parallel** [ZYB⁺16]. **Part** [Agg15b, CCD19]. **Partial** [DH18, Wan16]. **Partitioning** [CZH⁺17]. **Passenger** [Kit16, ZHL⁺17]. **Pathways** [ZZZ⁺18]. **Pattern** [ECG⁺19, FZ18]. **Patterns** [JFG17, NLC17]. **Performance** [LTX16, LS18b, LB19]. **Performance-Oriented** [LB19]. **Personalized** [Fu16]. **Perspectives** [WYLD18]. **Petuum** [Yu15]. **pg** [ZZZ⁺18]. **pg-Causality** [ZZZ⁺18]. **Phase** [LLCS17, NGM16]. **Phenomena** [MBS⁺19]. **Phone** [JFG17]. **Pick** [GKR17]. **Pipelines** [PIMP17]. **Planning** [FMD18]. **Plasma** [WJS⁺16]. **Platform** [ADOAH19, MLQ⁺19, Yu15]. **PMU** [CQH⁺18]. **Point** [GKR17]. **Policies** [DWSJ19, QSC19]. **Pollutants** [ZZZ⁺18]. **Popular** [Wan16]. **Populations** [LLCS17]. **Posture** [YLLC18]. **Power** [ECG⁺19, LLF⁺19]. **Practical** [Ni15].

Practice [KGJØ18]. **Predicted** [Cha16]. **Prediction** [HPESZ17, LOLL17, SZY⁺18, ZQK17]. **Predictive** [LTX16]. **Preferences** [XLLC16]. **Preprocessing** [PIMP17]. **Preserved** [Ni15]. **Preserving** [ADOAH19, SRM17]. **Price** [WXZ⁺19]. **Pricing** [QSC19]. **Privacy** [ADOAH19, Ni15]. **Privacy-Preserved** [Ni15]. **Privacy-Preserving** [ADOAH19]. **Privileged** [CZ17a]. **Processes** [LOLL17]. **Processing** [CXT⁺18, DFG⁺19, DLL⁺16, Gou19, Kot15, LTX16, NHL18, SCW18, WZLS18a]. **Processors** [JGS⁺19]. **Programming** [LLSL19]. **Promotional** [KJC⁺18]. **Propagation** [LY17, NLC17, ZJZ⁺19]. **Protecting** [WTM18]. **Provision** [WTRK16]. **QMSampler** [SYS⁺18]. **Quality** [LS18a, SYS⁺18, Tao15, ZSL17]. **QuantCloud** [ZYYK18]. **Quantitative** [ZYYK18]. **Queries** [SD18, TAL⁺17]. **Query** [TAL⁺17, XLP⁺18]. **Question** [LS18a, SLWV17]. **Quorum** [SGMB17]. **Quorum-Replicated** [SGMB17]. **Rank** [ZSHS17]. **Rate** [WYK⁺19]. **Rating** [QXZ⁺18, ZQK17]. **RDF** [Kot15]. **Real** [WJS⁺16]. **Real-Time** [WJS⁺16]. **Realtime** [Yan15a]. **Recognition** [FZ18, YLLC18]. **Recommendation** [DWSJ19, Fu16, QXZ⁺18, WWSB16, XLLC16]. **Recommender** [LY17]. **Recovery** [ECG⁺19, LW18]. **Reduce** [NGM16]. **Reduction** [FYD⁺19]. **Regions** [DLD⁺17]. **Regression** [KKK16, ZSHS17]. **Regularized** [LRL⁺17, ZSHS17]. **Relational** [SD18]. **Relations** [XLLC16]. **Relationships** [Hua15]. **Relevant** [WTRK16]. **Replicated** [SGMB17]. **Researchers** [DBAM17]. **Resource** [DQWQ18, JHT18]. **Resources** [XLL⁺18].

- Resting** [PIMP17]. **Resting-State** [PIMP17]. **Results** [Tao15]. **Retrieval** [Hua15]. **Retrieving** [CZH⁺17]. **Review** [LLCS17]. **Reviewers** [Ano17b, Ano18b, Ano19b]. **Ride** [GKR17, OVSF17]. **Robust** [Li15, LW18, WXZ⁺19, ZWV⁺19]. **Route** [LLY⁺17]. **Roving** [ZHL⁺17].
- Sampling** [SYS⁺18]. **Scalable** [BTM16, LLF⁺19, SWF16, SWTX18, WTRK16, ZWV⁺19]. **Scale** [HB16, Kot15, Li15, LLSL19, Mat16, OVSF17, SLC⁺18, WZLS18b]. **Scale-Out** [Kot15]. **Scheduling** [LTX16, LLY⁺18]. **Schema** [Ni15]. **Scheme** [HLC⁺18]. **Scholar** [Can16, LTTC16, LTTC17]. **Scholarly** [Gil16, XWBL17]. **Scientific** [Cha16, LWH18, XLLC16]. **SDN** [CSL⁺18]. **SDN-Based** [CSL⁺18]. **Search** [Agg15a, Agg15b, Agg16, IFG⁺18, Tao15, WQSA17, Yan15a]. **Searching** [Gil16]. **Secure** [CDLW19, FYD⁺19, HLC⁺18, LLSL19, SLC⁺18, XLP⁺18]. **Security** [CCD19, WTM18, WOD⁺18]. **SEEN** [PWS⁺19]. **Seizure** [HPESZ17]. **Selection** [GKR17, KJC⁺18, ZCH⁺18]. **Selective** [PWS⁺19]. **Self** [ECG⁺19]. **Self-Recovery** [ECG⁺19]. **Semantic** [CZ17a, Hua15, Li15]. **Semantically** [WTRK16]. **Semi** [HHX⁺19, ZJZ⁺19, Zhu15]. **Semi-Markov** [HHX⁺19]. **Semi-Supervised** [ZJZ⁺19, Zhu15]. **Sensing** [PWS⁺19, ZWV⁺19]. **Sensor** [ZHL⁺17]. **Sensory** [LW18]. **Separable** [LLSL19]. **Sequence** [Fu16]. **Sequences** [LLCS17]. **Series** [SZY⁺18]. **Servers** [HHX⁺19]. **Service** [QSC19, SWTX18, WYLD18, ZQK17]. **Services** [PWH16]. **Set** [LBL⁺18]. **Shared** [CSW18, JHT18]. **Sharing** [GKR17, LCS18, Ni15, OVSF17]. **Significant** [TEOS17]. **Similarity** [CLF⁺18, IFG⁺18]. **SIMiner** [LBZ19]. **Simulating** [OVSF17]. **Singapore** [JFG17]. **Situational** [WOD⁺18]. **SLA** [SGMB17]. **SLA-Aware** [SGMB17]. **Smart** [CQH⁺18, PWH16, SCW18, WXZ⁺19, WOD⁺18]. **SmartQ** [LS18a]. **SMC** [Ni15]. **Snippets** [YLLC18]. **Social** [QLM17, CSW18, Fu16, HBLK17, KJC⁺18, LCS18, LBZ19, SLWV17, ZWV⁺19, ZQK17]. **SocialQ&A** [SLWV17]. **Software** [DSS16]. **Sorting** [Mat16]. **Source** [Fu16, LRL⁺17]. **Spaces** [IFG⁺18]. **Spam** [ADOAH19]. **Spamdoop** [ADOAH19]. **Spark** [BTM16, SZY⁺18]. **Sparse** [HB16, SLC⁺18, SWF16, WHT18, ZSHS17]. **Spatio** [NLC17, WJS⁺16, ZSL17]. **Spatio-Temporal** [NLC17, WJS⁺16, ZSL17]. **Spatiotemporal** [SSSB16, ZZZ⁺18]. **Spatiotemporal-Interval** [SSSB16]. **Special** [CCD19, HCZ19, LTTC16, ZLC⁺17]. **Spectral** [Li15]. **Speed** [LOLL17, TAL⁺17, WZY⁺18]. **SSD** [WJW⁺18]. **SSD-Empowered** [WJW⁺18]. **STaRS** [OVSF17]. **State** [CQH⁺18, HHX⁺19, PIMP17, WYLD18, Yan17, Yan18, Yan19]. **State-of-the-Art** [WYLD18]. **States** [XLL⁺18]. **Stationary** [WYK⁺19]. **Stem** [LLCS17]. **Stigmergy** [LBZ19]. **Stigmergy-Based** [LBZ19]. **Storage** [CDLW19, ECG⁺19, HLC⁺18, MBS⁺19, WZY⁺18, YZDZ19]. **Stores** [SD18]. **Strategies** [KJC⁺18]. **Stream** [AR18, CWGA17, CXT⁺18, JHT18, LTX16]. **Streaming** [CQH⁺18, LB19]. **Streams** [Ni15, PWS⁺19]. **Structural** [QXZ⁺18]. **Structure** [SCA⁺17, SWF16, Yan15a]. **Structured** [ZSHS17]. **Study** [DBAM17, JFG17, LCS18]. **Sub** [WZY⁺18]. **Sub-Datasets** [WZY⁺18]. **Subgraph** [WS17]. **Sublinear** [PWH16]. **Substation** [LLF⁺19]. **Summarization** [HHX⁺19]. **Supervised** [ZJZ⁺19, Zhu15]. **Supplying** [LS18a]. **Support** [SRM17]. **Supporting**

- [CDLW19]. **Surveillance** [SCW18]. **Survey** [DFG⁺19, XWBL17]. **SVD** [FYD⁺19]. **SVM** [SRM17]. **System** [AK19, CZG⁺19, ECG⁺19, Gil16, LY17, LS18a, Ng16, SLWV17, WWSB16, ZYB⁺16]. **Systems** [BVAW⁺16, CKH16, HCZ19, SLC⁺18, SWTX18, ZQZ⁺17].
- Tales** [HBLK17]. **Task** [LLY⁺18]. **Taxi** [OVSF17, ZHL⁺17]. **Taxi-Passenger-Demand** [ZHL⁺17]. **TBD** [Ano18b]. **Team** [Ng16]. **Technique** [HD19]. **Temporal** [NLC17, NCS17, WJS⁺16, ZSL17]. **Temporary** [TAL⁺17]. **Tendency** [YLLC18]. **Tensor** [FYD⁺19]. **Test** [CQH⁺18]. **Textual** [DH18]. **Their** [ADF⁺17]. **Theoretic** [CZ17b, Sun15]. **Theory** [KGJØ18, QXZ⁺18]. **Theory-Based** [QXZ⁺18]. **Thermal** [LLY⁺18]. **Thermal-Aware** [LLY⁺18]. **Things** [HPESZ17, SYv⁺19]. **Threat** [CCD19]. **Throughput** [CXT⁺18]. **Time** [BVAW⁺16, SZY⁺18, WJS⁺16]. **Time-Critical** [BVAW⁺16]. **Topological** [PIMP17]. **Tracking** [LY17, WJS⁺16]. **Traffic** [LOLL17, NLC17, SCA⁺17, ZFLC19]. **Trajectories** [LBL⁺18, LLY⁺17]. **Trajectory** [FZ18]. **Transactions** [Ano15a, Ano15b, Ano17a, Ano18a, Ano19a, Cra15, Yan15b]. **Transport** [DLD⁺17]. **Travel** [Fu16]. **Tree** [WSW⁺18]. **Tree-Based** [WSW⁺18]. **Trees** [KKKK16]. **Trends** [TAL19]. **Trident** [MBS⁺19]. **Trustworthy** [LS18a]. **Truth** [ZWV⁺19]. **Tuning** [SGMB17]. **Tweets** [Kit16]. **Two** [HBLK17].
- Understand** [HBLK17]. **Understanding** [Agg15a, Agg15b, Agg16, JGS⁺19, WQSA17, ZFLC19, ZLC⁺17]. **Unified** [CZG⁺19, Ng16]. **Universal** [KKKK16]. **Unveiling** [WZY⁺18]. **Urban** [CLM17, DLD⁺17, SCA⁺17, WYK⁺19, ZFLC19, ZWC⁺16, ZMS17, ZSL17, ZZZ⁺18]. **User** [CSW18, LLF⁺19, PWH16]. **User-Shared** [CSW18]. **User-Substation** [LLF⁺19]. **Users** [ZQK17]. **Using** [BTM16, CZ17b, DWSJ19, DFG⁺19, FMD18, HD19, HBLK17, KKKK16, KKF16, WYK⁺19, XLL⁺18]. **USTF** [Ng16].
- Vector** [SRM17]. **Vectors** [IFG⁺18, XLP⁺18]. **Verifiable** [HLC⁺18]. **Verifications** [WSW⁺18]. **via** [HPESZ17]. **Video** [ECG⁺19, SCW18]. **Videos** [Wan16]. **Virtualized** [WTM18]. **Visual** [CZ17a, Hua15, HH18, Kit16, LWH18, LLY⁺17, ZWC⁺16]. **Visual-Semantic** [CZ17a]. **Visualization** [FZ18]. **Viziometrics** [LWH18]. **Vol** [Ano17a, Ano18a, Ano19a]. **Vulnerability** [TAL19].
- Weakly** [Zhu15]. **Weather** [DLD⁺17]. **Web** [ADF⁺17, CKH16, SVYY16, WTRK16, XLL⁺18, Yao15]. **Web-Based** [CKH16]. **Welcome** [Cra15]. **Will** [DSS16]. **without** [Liu15].

References

Agreste:2017:ECA

- [ADF⁺17] S. Agreste, P. De Meo, G. Fiumara, G. Piccione, S. Piccolo, D. Rosaci, G. M. L. Sarné, and A. V. Vasilakos. An empirical comparison of algorithms to find communities in directed graphs and their application in Web data analytics. *IEEE Transactions on Big Data*, 3(3):289–306, September 2017. ISSN 2332-7790.

- | | |
|---|---|
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 10px; text-align: center;">AlMahmoud:2019:SPP</div> <p>[ADOAH19] A. AlMahmoud, E. Damiani, H. Otrok, and Y. Al-Hammadi. Spamdoop: a privacy-preserving big data platform for collaborative spam detection. <i>IEEE Transactions on Big Data</i>, 5(3):293–304, September 2019. ISSN 2332-7790.</p> <div style="border: 1px solid black; padding: 2px; text-align: center;">Aggarwal:2015:GEBa</div> <p>[Agg15a] Charu C. Aggarwal. Guest editorial: Big media data: Understanding, search, and mining. <i>IEEE Transactions on Big Data</i>, 1(3):82–83, September 2015. CODEN ???? ISSN 2332-7790. URL http://www.computer.org/csdl/trans/bd/2015/03/07355488.pdf.</p> <div style="border: 1px solid black; padding: 2px; text-align: center;">Aggarwal:2015:GEBb</div> <p>[Agg15b] Charu C. Aggarwal. Guest editorial: Big media data: Understanding, search, and mining (Part 2). <i>IEEE Transactions on Big Data</i>, 1(4):151, December 2015. CODEN ???? ISSN 2332-7790. URL http://www.computer.org/csdl/trans/bd/2015/04/07395031.pdf.</p> <div style="border: 1px solid black; padding: 2px; text-align: center;">Aggarwal:2016:GEB</div> <p>[Agg16] Charu C. Aggarwal. Guest editorial: Big media data: Understanding, search, and mining. <i>IEEE Transactions on Big Data</i>, 2(1):31, March 2016. CODEN ???? ISSN 2332-7790. URL http://www.computer.org/csdl/trans/bd/2016/01/07473987.pdf.</p> | <div style="border: 1px solid black; padding: 2px; margin-bottom: 10px; text-align: center;">AK19</div> <p>[AK19]</p> <div style="border: 1px solid black; padding: 2px; text-align: center;">Abawajy:2019:ICF</div> <p>J. H. Abawajy and A. Kelarev. Iterative classifier fusion system for the detection of Android malware. <i>IEEE Transactions on Big Data</i>, 5(3):282–292, September 2019. ISSN 2332-7790.</p> <div style="border: 1px solid black; padding: 2px; text-align: center;">Anonymous:2015:ITBa</div> <p>Anonymous. <i>IEEE Transactions on Big Data</i>. <i>IEEE Transactions on Big Data</i>, 1(1):47, March 2015. CODEN ???? ISSN 2332-7790. URL http://www.computer.org/csdl/trans/bd/2015/01/07152999.pdf.</p> <div style="border: 1px solid black; padding: 2px; text-align: center;">Anonymous:2015:ITBb</div> <p>Anonymous. <i>IEEE Transactions on Big Data</i>. <i>IEEE Transactions on Big Data</i>, 1(1):48, March 2015. CODEN ???? ISSN 2332-7790. URL http://www.computer.org/csdl/trans/bd/2015/01/07153000.pdf.</p> <div style="border: 1px solid black; padding: 2px; text-align: center;">Anonymous:2017:IIT</div> <p>Anonymous. 2016 index <i>IEEE Transactions on Big Data</i> vol. 2. <i>IEEE Transactions on Big Data</i>, 3(1):1–6, March 2017. ISSN 2332-7790.</p> <div style="border: 1px solid black; padding: 2px; text-align: center;">Anonymous:2017:RL</div> <p>Anonymous. 2016 reviewers list*. <i>IEEE Transactions on Big Data</i>, 3(1):118–123, March 2017. ISSN 2332-7790.</p> <div style="border: 1px solid black; padding: 2px; text-align: center;">Anonymous:2018:IIT</div> <p>Anonymous. 2017 index <i>IEEE Transactions on Big Data</i> vol. 3. <i>IEEE Transactions on Big Data</i>,</p> |
|---|---|

- 4(1):1–7, March 2018. ISSN 2332-7790.
- Anonymous:2018:TR**
- [Ano18b] Anonymous. TBD 2017 reviewers. *IEEE Transactions on Big Data*, 4(1):138–140, March 2018. ISSN 2332-7790.
- Anonymous:2019:IIT**
- [Ano19a] Anonymous. 2018 index *IEEE Transactions on Big Data* vol. 4. *IEEE Transactions on Big Data*, 5(1):1–9, March 2019. ISSN 2332-7790.
- Anonymous:2019:RL**
- [Ano19b] Anonymous. 2018 reviewers list. *IEEE Transactions on Big Data*, 5(1):106–118, March 2019. ISSN 2332-7790.
- Antaris:2018:MSI**
- [AR18] S. Antaris and D. Rafailidis. In-memory stream indexing of massive and fast incoming multimedia content. *IEEE Transactions on Big Data*, 4(1):40–54, March 2018. ISSN 2332-7790.
- Bruce:2019:NDL**
- [BLYM19] S. Bruce, Z. Li, H. Yang, and S. Mukhopadhyay. Nonparametric distributed learning architecture for big data: Algorithm and applications. *IEEE Transactions on Big Data*, 5(2):166–179, June 2019. ISSN 2332-7790.
- Bharill:2016:FBS**
- [BTM16] N. Bharill, A. Tiwari, and A. Malviya. Fuzzy based scalable clustering algorithms for handling big data using Apache Spark. *IEEE Transactions on Big Data*, 2(4):339–352, December 2016. ISSN 2332-7790.
- Basanta-Val:2016:ATC**
- [BVAW⁺16] P. Basanta-Val, N. C. Audsley, A. J. Wellings, I. Gray, and N. Fernández-García. Architecting time-critical big-data systems. *IEEE Transactions on Big Data*, 2(4):310–324, December 2016. ISSN 2332-7790.
- Candan:2016:GEB**
- [Can16] K. Selcuk Candan. Guest editorial: Big scholar data discovery and collaboration. *IEEE Transactions on Big Data*, 2(1):1–2, March 2016. CODEN ???? ISSN 2332-7790. URL <http://www.computer.org/csdl/trans/bd/2016/01/07473985.pdf>.
- Choo:2019:SIB**
- [CCD19] K. R. Choo, M. Conti, and A. Dehghantanha. Special issue on big data applications in cyber security and threat intelligence: Part 1. *IEEE Transactions on Big Data*, 5(3):279–281, September 2019. ISSN 2332-7790.
- Cui:2019:ABS**
- [CDLW19] H. Cui, R. H. Deng, Y. Li, and G. Wu. Attribute-based storage supporting secure deduplication of encrypted data in cloud. *IEEE Transactions on Big Data*, 5(3):330–342, September 2019. ISSN 2332-7790.
- Chawla:2016:CSI**
- [Cha16] Nitesh V. Chawla. Can scientific impact be predicted? *IEEE*

- Transactions on Big Data*, 2(1):18–30, March 2016. CODEN ???? ISSN 2332-7790.
- Chen:2016:ABD**
- [CKH16] H. Chen, R. Kazman, and S. Haziyev. Agile big data analytics for Web-based systems: An architecture-centric approach. *IEEE Transactions on Big Data*, 2(3):234–248, September 2016. ISSN 2332-7790.
- Cong:2018:OSL**
- [CLF⁺18] Y. Cong, J. Liu, B. Fan, P. Zeng, H. Yu, and J. Luo. Online similarity learning for big data with overfitting. *IEEE Transactions on Big Data*, 4(1):78–89, March 2018. ISSN 2332-7790.
- Celikten:2017:MUB**
- [ÇLM17] E. Çelikten, G. Le Falher, and M. Mathioudakis. Modeling urban behavior by mining geotagged social data. *IEEE Transactions on Big Data*, 3(2):220–233, June 2017. ISSN 2332-7790.
- Chu:2018:MSP**
- [CQH⁺18] L. Chu, R. Qiu, X. He, Z. Ling, and Y. Liu. Massive streaming PMU data modelling and analytics in smart grid state evaluation based on multiple high-dimensional covariance test. *IEEE Transactions on Big Data*, 4(1):55–64, March 2018. ISSN 2332-7790.
- Crago:2015:WIT**
- [Cra15] Stephen Crago. Welcome to the *IEEE Transactions on Big Data*. *IEEE Transactions on Big Data*, 1(1):1, March 2015. CODEN ???? ISSN 2332-7790. URL <http://www.computer.org/csdl/trans/bd/2015/01/07265157.pdf>.
- Cui:2018:SBB**
- [CSL⁺18] Y. Cui, J. Song, M. Li, Q. Ren, Y. Zhang, and X. Cai. SDN-based big data caching in ISP networks. *IEEE Transactions on Big Data*, 4(3):356–367, September 2018. ISSN 2332-7790.
- Cheung:2018:CUC**
- [CSW18] M. Cheung, J. She, and N. Wang. Characterizing user connections in social media through user-shared images. *IEEE Transactions on Big Data*, 4(4):447–458, December 2018. ISSN 2332-7790.
- Chen:2018:GEBa**
- J. Chen and H. Wang. Guest editorial: Big Data Infrastructure I. *IEEE Transactions on Big Data*, 4(2):148–149, June 2018. ISSN 2332-7790.
- Chen:2018:GEBb**
- J. Chen and H. Wang. Guest editorial: Big Data Infrastructure II. *IEEE Transactions on Big Data*, 4(3):299–300, September 2018. ISSN 2332-7790.
- Chan:2017:DSL**
- [CWGA17] Y. Chan, A. Wellings, I. Gray, and N. Audsley. A distributed stream library for Java 8. *IEEE Transactions on Big Data*, 3(3):262–275, September 2017. ISSN 2332-7790.

- | | |
|---|---|
| <div style="text-align: center; border: 1px solid black; padding: 2px;">Chen:2018:GAH</div> <p>[CXT⁺18] Z. Chen, J. Xu, J. Tang, K. A. Kwiat, C. A. Kamhoua, and C. Wang. GPU-accelerated high-throughput online stream data processing. <i>IEEE Transactions on Big Data</i>, 4(2):191–202, June 2018. ISSN 2332-7790.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Chen:2017:LCF</div> <p>[CZ17a] K. Chen and Z. Zhang. Learning to classify fine-grained categories with privileged visual-semantic misalignment. <i>IEEE Transactions on Big Data</i>, 3(1):37–43, March 2017. ISSN 2332-7790.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Chopade:2017:FCD</div> <p>[CZ17b] P. Chopade and J. Zhan. A framework for community detection in large networks using game-theoretic modeling. <i>IEEE Transactions on Big Data</i>, 3(3):276–288, September 2017. ISSN 2332-7790.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Cai:2019:MTU</div> <p>[CZG⁺19] Q. Cai, H. Zhang, W. Guo, G. Chen, B. C. Ooi, K. Tan, and W. Wong. MemepiC: Towards a unified in-memory big data management system. <i>IEEE Transactions on Big Data</i>, 5(1):4–17, March 2019. ISSN 2332-7790.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Chen:2017:ROP</div> <p>[CZH⁺17] Z. Chen, W. Zhang, B. Hu, X. Cao, S. Liu, and D. Meng. Retrieving objects by partitioning. <i>IEEE Transactions on Big Data</i>, 3(1):44–54, March 2017. ISSN 2332-7790.</p> | <div style="text-align: center; border: 1px solid black; padding: 2px;">Datta:2017:HHE</div> <p>[DBAM17] S. Datta, P. Basuchowdhuri, S. Acharya, and S. Majumder. The habits of highly effective researchers: An empirical study. <i>IEEE Transactions on Big Data</i>, 3(1):3–17, March 2017. ISSN 2332-7790.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Dolev:2019:SGD</div> <p>[DFG⁺19] S. Dolev, P. Florissi, E. Gudes, S. Sharma, and I. Singer. A survey on geographically distributed big-data processing using MapReduce. <i>IEEE Transactions on Big Data</i>, 5(1):60–80, March 2019. ISSN 2332-7790.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Dong:2018:CAP</div> <p>[DH18] D. Dong and J. Herbert. Content-aware partial compression for textual big data analysis in Hadoop. <i>IEEE Transactions on Big Data</i>, 4(4):459–472, December 2018. ISSN 2332-7790.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Ding:2017:DAU</div> <p>[DLD⁺17] Y. Ding, Y. Li, K. Deng, H. Tan, M. Yuan, and L. M. Ni. Detecting and analyzing urban regions with high impact of weather change on transport. <i>IEEE Transactions on Big Data</i>, 3(2):126–139, June 2017. ISSN 2332-7790.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Dong:2016:HDP</div> <p>[DLL⁺16] L. Dong, Z. Lin, Y. Liang, L. He, N. Zhang, Q. Chen, X. Cao, and E. Izquierdo. A hierarchical distributed processing framework for big image data. <i>IEEE Transactions on Big Data</i>, 2(4):</p> |
|---|---|

- 297–309, December 2016. ISSN 2332-7790.
- Dai:2018:CIR**
- [DQWQ18] W. Dai, L. Qiu, A. Wu, and M. Qiu. Cloud infrastructure resource allocation for big data applications. *IEEE Transactions on Big Data*, 4(3):313–324, September 2018. ISSN 2332-7790.
- Datta:2016:HLW**
- [DSS16] Subhajit Datta, Santonu Sarkar, and A. S. M. Sajeev. How long will this live? Discovering the lifespans of software engineering ideas. *IEEE Transactions on Big Data*, 2(2):124–137, ???? 2016. CODEN ???? ISSN 2332-7790.
- Ding:2019:ERI**
- [DWSJ19] X. Ding, L. Wang, Z. Shao, and H. Jin. Efficient recommendation of de-identification policies using MapReduce. *IEEE Transactions on Big Data*, 5(3):343–354, September 2019. ISSN 2332-7790.
- Edstrom:2019:DPE**
- [ECG⁺19] J. Edstrom, D. Chen, Y. Gong, J. Wang, and N. Gong. Data-pattern enabled self-recovery low-power storage system for big video data. *IEEE Transactions on Big Data*, 5(1):95–105, March 2019. ISSN 2332-7790.
- Francesco:2018:AUC**
- [FMD18] P. D. Francesco, F. Malandrino, and L. A. DaSilva. Assembling and using a cellular dataset for mobile network analysis and planning. *IEEE Transactions on Big Data*, 4(4):614–620, December 2018. ISSN 2332-7790.
- Fu:2016:PTS**
- [Fu16] Yun Fu. Personalized travel sequence recommendation on multi-source big social media. *IEEE Transactions on Big Data*, 2(1):43–56, March 2016. CODEN ???? ISSN 2332-7790.
- Feng:2019:SHO**
- [FYD⁺19] J. Feng, L. T. Yang, G. Dai, W. Wang, and D. Zou. A secure high-order Lanczos-based orthogonal tensor SVD for big data reduction in cloud environment. *IEEE Transactions on Big Data*, 5(3):355–367, September 2019. ISSN 2332-7790.
- Fang:2018:EVM**
- [FZ18] H. Fang and Z. Zhang. An enhanced visualization method to aid behavioral trajectory pattern recognition infrastructure for big longitudinal data. *IEEE Transactions on Big Data*, 4(2):289–298, June 2018. ISSN 2332-7790.
- Giles:2016:ASE**
- C. Lee Giles. AlgorithmSeer: A system for extracting and searching for algorithms in scholarly big data. *IEEE Transactions on Big Data*, 2(1):3–17, March 2016. CODEN ???? ISSN 2332-7790.
- Goel:2017:OPP**
- [GKR17] P. Goel, L. Kulik, and K. Ramamohanarao. Optimal pick up point selection for effective ride sharing. *IEEE Transactions*

- on Big Data*, 3(2):154–168, June 2017. ISSN 2332-7790.
- Goudarzi:2019:HAB**
- [Gou19] M. Goudarzi. Heterogeneous architectures for big data batch processing in MapReduce paradigm. *IEEE Transactions on Big Data*, 5(1):18–33, March 2019. ISSN 2332-7790.
- Hochbaum:2016:SCL**
- [HB16] Dorit S. Hochbaum and Philipp Baumann. Sparse computation for large-scale data mining. *IEEE Transactions on Big Data*, 2(2):151–174, ???? 2016. CODEN ????. ISSN 2332-7790.
- Hu:2017:TTC**
- [HBLK17] T. Hu, E. Bigelow, J. Luo, and H. Kautz. Tales of two cities: Using social media to understand idiosyncratic lifestyles in distinctive metropolitan areas. *IEEE Transactions on Big Data*, 3(1): 55–66, March 2017. ISSN 2332-7790.
- He:2019:GEI**
- [HCZ19] B. He, Y. Chen, and J. Zhou. Guest Editors introduction: Special issue on big data systems on emerging architectures. *IEEE Transactions on Big Data*, 5(1): 2–3, March 2019. ISSN 2332-7790.
- Hajeer:2019:HBD**
- [HD19] M. Hajeer and D. Dasgupta. Handling big data using a data-aware HDFS and evolutionary clustering technique. *IEEE Transactions on Big Data*, 5(2): 134–147, June 2019. ISSN 2332-7790.
- Huang:2018:NFG**
- X. Huang and C. Huang. NGD: Filtering graphs for visual analysis. *IEEE Transactions on Big Data*, 4(3):381–395, September 2018. ISSN 2332-7790.
- Haider:2019:DAB**
- [HHX⁺19] W. Haider, J. Hu, Y. Xie, X. Yu, and Q. Wu. Detecting anomalous behavior in cloud servers by nested-arc hidden semi-Markov model with state summarization. *IEEE Transactions on Big Data*, 5(3):305–316, September 2019. ISSN 2332-7790.
- Hu:2018:SVA**
- C. Hu, W. Li, X. Cheng, J. Yu, S. Wang, and R. Bie. A secure and verifiable access control scheme for big data storage in clouds. *IEEE Transactions on Big Data*, 4(3):341–355, September 2018. ISSN 2332-7790.
- Hosseini:2017:ODL**
- [HPESZ17] M. Hosseini, D. Pompili, K. Elisevich, and H. Soltanian-Zadeh. Optimized deep learning for EEG big data and seizure prediction BCI via Internet of Things. *IEEE Transactions on Big Data*, 3(4):392–404, December 2017. ISSN 2332-7790.
- Hua:2015:LVS**
- Xian-Sheng Hua. Learning visual semantic relationships for efficient visual retrieval. *IEEE Transactions on Big Data*, 1(4):

- 152–161, December 2015. CODEN ???? ISSN 2332-7790.
- Iscen:2018:MVS**
- [IFG⁺18] A. Iscen, T. Furun, V. Gripon, M. Rabbat, and H. Jégou. Memory vectors for similarity search in high-dimensional spaces. *IEEE Transactions on Big Data*, 4(1):65–77, March 2018. ISSN 2332-7790.
- Jiang:2017:ABH**
- [JFG17] S. Jiang, J. Ferreira, and M. C. Gonzalez. Activity-based human mobility patterns inferred from mobile phone data: A case study of Singapore. *IEEE Transactions on Big Data*, 3(2):208–219, June 2017. ISSN 2332-7790.
- Jia:2019:UPD**
- [JGS⁺19] Z. Jia, W. Gao, Y. Shi, S. A. McKee, Z. Ji, J. Zhan, L. Wang, and L. Zhang. Understanding processors design decisions for data analytics in homogeneous data centers. *IEEE Transactions on Big Data*, 5(1):81–94, March 2019. ISSN 2332-7790.
- Jiang:2018:TMM**
- [JHT18] Y. Jiang, Z. Huang, and D. H. K. Tsang. Towards max-min fair resource allocation for stream big data analytics in shared clouds. *IEEE Transactions on Big Data*, 4(1):130–137, March 2018. ISSN 2332-7790.
- Jiang:2019:DGC**
- [JKF19] S. Jiang, Y. Kong, and Y. Fu. Deep geo-constrained auto-encoder for non-landmark GPS estimation. *IEEE Transactions on Big Data*, 5(2):120–133, June 2019. ISSN 2332-7790.
- Kralevska:2018:HEC**
- [KGJØ18] K. Kralevska, D. Gligoroski, R. E. Jensen, and H. Øverby. HashTag erasure codes: From theory to practice. *IEEE Transactions on Big Data*, 4(4):516–529, December 2018. ISSN 2332-7790.
- Kitsuregawa:2016:VEC**
- [Kit16] Masaru Kitsuregawa. Visual exploration of changes in passenger flows and tweets on mega-city metro network. *IEEE Transactions on Big Data*, 2(1):85–99, March 2016. CODEN ???? ISSN 2332-7790.
- Kuang:2018:EPS**
- [KJC⁺18] K. Kuang, M. Jiang, P. Cui, H. Luo, and S. Yang. Effective promotional strategies selection in social media: A data-driven approach. *IEEE Transactions on Big Data*, 4(4):487–501, December 2018. ISSN 2332-7790.
- Kit:2016:EIG**
- [KKF16] D. Kit, Y. Kong, and Y. Fu. Efficient image geotagging using large databases. *IEEE Transactions on Big Data*, 2(4):325–338, December 2016. ISSN 2332-7790.
- Khan:2016:UNR**
- [KKKK16] Farhan Khan, Dariush Kari, Ilyas Alper Karatepe, and Suleyman S. Kozat. Universal non-linear regression on high dimensional data using adaptive hierarchical trees. *IEEE Transactions*

- on Big Data*, 2(2):175–188, ????. 2016. CODEN ????. ISSN 2332-7790.
- [Kot15] Spyros Kotoulas. Scale-out processing of large RDF datasets. *IEEE Transactions on Big Data*, 1(4):138–150, December 2015. CODEN ????. ISSN 2332-7790.
- [LB19] X. Liu and R. Buyya. Performance-oriented deployment of streaming applications on cloud. *IEEE Transactions on Big Data*, 5(1):46–59, March 2019. ISSN 2332-7790.
- [LBL⁺18] Y. Li, J. Bao, Y. Li, Y. Wu, Z. Gong, and Y. Zheng. Mining the most influential k -location set from massive trajectories. *IEEE Transactions on Big Data*, 4(4):556–570, December 2018. ISSN 2332-7790.
- [LBZ19] W. Li, Q. Bai, and M. Zhang. SIMiner: A stigmergy-based model for mining influential nodes in dynamic social networks. *IEEE Transactions on Big Data*, 5(2):223–237, June 2019. ISSN 2332-7790.
- [LCS18] Z. Li, H. Chandler, and H. Shen. Analysis of knowledge sharing activities on a social network incorporated discussion forum: A case study of DISboards. *IEEE Transactions on Big Data*, 4(4):432–446, December 2018. ISSN 2332-7790.
- [Li15] Xuelong Li. Robust discrete spectral hashing for large-scale image semantic indexing. *IEEE Transactions on Big Data*, 1(4):162–171, December 2015. CODEN ????. ISSN 2332-7790.
- [Liu:2019:POD] Huan Liu. Embracing information explosion without choking: Clustering and labeling in microblogging. *IEEE Transactions on Big Data*, 1(1):35–46, March 2015. CODEN ????. ISSN 2332-7790.
- [Liu:2015:EIE] A. Liu, Y. Lu, M. Chen, and Y. Su. Mitosis detection in phase contrast microscopy image sequences of stem cell populations: A critical review. *IEEE Transactions on Big Data*, 3(4):443–457, December 2017. ISSN 2332-7790.
- [Liu:2017:MDP] B. Lyu, Y. Li, J. Fu, A. C. Trapp, H. Xie, and Y. Liao. Scalable user-substation assignment with big data from power grids. *IEEE Transactions on Big Data*, 5(2):209–222, June 2019. ISSN 2332-7790.
- [LLF⁺19] W. Liao, C. Luo, S. Salinas, and P. Li. Efficient secure outsourcing of large-scale convex separable programming for big data. *IEEE Transactions on Big Data*,

- 5(3):368–378, September 2019. ISSN 2332-7790.
- Lu:2017:VAM**
- [LLY⁺17] M. Lu, C. Lai, T. Ye, J. Liang, and X. Yuan. Visual analysis of multiple route choices based on general GPS trajectories. *IEEE Transactions on Big Data*, 3(2):234–247, June 2017. ISSN 2332-7790.
- Liu:2018:TAD**
- [LLY⁺18] H. Liu, B. Liu, L. T. Yang, M. Lin, Y. Deng, K. Bilal, and S. U. Khan. Thermal-aware and DVFS-enabled big data task scheduling for data centers. *IEEE Transactions on Big Data*, 4(2):177–190, June 2018. ISSN 2332-7790.
- Le:2017:LGP**
- [LOLL17] T. V. Le, R. Oentaryo, S. Liu, and H. C. Lau. Local Gaussian processes for efficient fine-grained traffic speed prediction. *IEEE Transactions on Big Data*, 3(2):194–207, June 2017. ISSN 2332-7790.
- Liu:2017:GRE**
- [LRL⁺17] F. Liu, J. Rosenberger, Y. Lou, R. Hosseini, J. Su, and S. Wang. Graph regularized EEG source imaging with in-class consistency and out-class discrimination. *IEEE Transactions on Big Data*, 3(4):378–391, December 2017. ISSN 2332-7790.
- Lin:2018:SQA**
- [LS18a] Y. Lin and H. Shen. SmartQ: A question and answer system for supplying high-quality and trustworthy answers. *IEEE Transactions on Big Data*, 4(4):600–613, December 2018. ISSN 2332-7790.
- Liu:2018:CED**
- Y. Liu and X. Sun. CaL: Extending data locality to consider concurrency for performance optimization. *IEEE Transactions on Big Data*, 4(2):273–288, June 2018. ISSN 2332-7790.
- Lin:2016:GES**
- Y. R. Lin, H. Tong, J. Tang, and K. Selçuk Candan. Guest editorial: Special issue on big scholar data discovery and collaboration (Continued). *IEEE Transactions on Big Data*, 2(2):???, ????. 2016. CODEN ????. ISSN 2332-7790.
- Lin:2017:GEB**
- Y. Lin, H. Tong, J. Tang, and K. S. Candan. Guest editorial: Big scholar data discovery and collaboration. *IEEE Transactions on Big Data*, 3(1):2, March 2017. ISSN 2332-7790.
- Li:2016:PMP**
- T. Li, J. Tang, and J. Xu. Performance modeling and predictive scheduling for distributed stream data processing. *IEEE Transactions on Big Data*, 2(4):353–364, December 2016. ISSN 2332-7790.
- Liu:2018:LDR**
- X. Liu and X. Wang. LS-decomposition for robust recovery of sensory big data. *IEEE Transactions on Big Data*, 4(4):542–555, December 2018. ISSN 2332-7790.

- | | |
|--|--|
| <div style="text-align: center; border: 1px solid black; padding: 5px;">Lee:2018:VAV</div> <p>[LWH18] P. Lee, J. D. West, and B. Howe. Viziometrics: Analyzing visual information in the scientific literature. <i>IEEE Transactions on Big Data</i>, 4(1):117–129, March 2018. ISSN 2332-7790.</p> <div style="text-align: center; border: 1px solid black; padding: 5px;">Li:2017:DOT</div> <p>[LY17] M. Li and Z. Yin. Debugging object tracking by a recommender system with correction propagation. <i>IEEE Transactions on Big Data</i>, 3(4):429–442, December 2017. ISSN 2332-7790.</p> <div style="text-align: center; border: 1px solid black; padding: 5px;">Matsuoka:2016:GAL</div> <p>[Mat16] Satoshi Matsuoka. GPU-accelerated large-scale distributed sorting coping with device memory capacity. <i>IEEE Transactions on Big Data</i>, 2(1):57–69, March 2016. CODEN ???? ISSN 2332-7790.</p> <div style="text-align: center; border: 1px solid black; padding: 5px;">Malensek:2019:TDS</div> <p>[MBS⁺19] M. Malensek, W. Budgaga, R. Stern, S. Pallickara, and S. L. Pallickara. Trident: Distributed storage, analysis, and exploration of multidimensional phenomena. <i>IEEE Transactions on Big Data</i>, 5(2):252–265, June 2019. ISSN 2332-7790.</p> <div style="text-align: center; border: 1px solid black; padding: 5px;">Makkie:2019:DCP</div> <p>[MLQ⁺19] M. Makkie, X. Li, S. Quinn, B. Lin, J. Ye, G. Mon, and T. Liu. A distributed computing platform for fMRI big data analytics. <i>IEEE Transactions on Big Data</i>, 5(2):109–119, June 2019. ISSN 2332-7790.</p> | <div style="text-align: center; border: 1px solid black; padding: 5px;">Nie:2017:MTI</div> <p>[NCS17] W. Nie, H. Cheng, and Y. Su. Modeling temporal information of mitotic for mitotic event detection. <i>IEEE Transactions on Big Data</i>, 3(4):458–469, December 2017. ISSN 2332-7790.</p> <div style="text-align: center; border: 1px solid black; padding: 5px;">Ng:2016:UUS</div> <p>[Ng16] Wilfred Ng. USTF: A unified system of team formation. <i>IEEE Transactions on Big Data</i>, 2(1):70–84, March 2016. CODEN ???? ISSN 2332-7790.</p> <div style="text-align: center; border: 1px solid black; padding: 5px;">Nabavinejad:2016:MCR</div> <p>[NGM16] S. M. Nabavinejad, M. Goudarzi, and S. Mozaffari. The memory challenge in reduce phase of MapReduce applications. <i>IEEE Transactions on Big Data</i>, 2(4):380–386, December 2016. ISSN 2332-7790.</p> <div style="text-align: center; border: 1px solid black; padding: 5px;">Niu:2018:JTC</div> <p>[NHL18] Z. Niu, B. He, and F. Liu. JouleMR: Towards cost-effective and green-aware data processing frameworks. <i>IEEE Transactions on Big Data</i>, 4(2):258–272, June 2018. ISSN 2332-7790.</p> <div style="text-align: center; border: 1px solid black; padding: 5px;">Ni:2015:SPS</div> <p>[Ni15] Lionel M. Ni. SMC: A practical schema for privacy-preserved data sharing over distributed data streams. <i>IEEE Transactions on Big Data</i>, 1(2):68–81, June 2015. CODEN ???? ISSN 2332-7790.</p> <div style="text-align: center; border: 1px solid black; padding: 5px;">Nguyen:2017:DCP</div> <p>[NLC17] H. Nguyen, W. Liu, and F. Chen. Discovering congestion propaga-</p> |
|--|--|

- tion patterns in spatio-temporal traffic data. *IEEE Transactions on Big Data*, 3(2):169–180, June 2017. ISSN 2332-7790.
- Ota:2017:SST**
- [OVSF17] M. Ota, H. Vo, C. Silva, and J. Freire. STaRS: Simulating taxi ride sharing at scale. *IEEE Transactions on Big Data*, 3(3):349–361, September 2017. ISSN 2332-7790.
- Phinyomark:2017:RSF**
- [PIMP17] A. Phinyomark, E. Ibáñez-Marcelo, and G. Petri. Resting-state fMRI functional connectivity: Big data preprocessing pipelines and topological data analysis. *IEEE Transactions on Big Data*, 3(4):415–428, December 2017. ISSN 2332-7790.
- Pan:2016:ABS**
- [PWH16] E. Pan, D. Wang, and Z. Han. Analyzing big smart metering data towards differentiated user services: A sublinear approach. *IEEE Transactions on Big Data*, 2(3):249–261, September 2016. ISSN 2332-7790.
- Puthal:2019:SSE**
- [PWS⁺19] D. Puthal, X. Wu, N. Surya, R. Ranjan, and J. Chen. SEEN: A selective encryption method to ensure confidentiality for big sensing data streams. *IEEE Transactions on Big Data*, 5(3):379–392, September 2019. ISSN 2332-7790.
- Qiu:2019:TGC**
- [QSC19] C. Qiu, H. Shen, and L. Chen. Towards green cloud computing:
- Demand allocation and pricing policies for cloud service brokerage. *IEEE Transactions on Big Data*, 5(2):238–251, June 2019. ISSN 2332-7790.
- Qi:2018:SBT**
- [QXZ⁺18] L. Qi, X. Xu, X. Zhang, W. Dou, C. Hu, Y. Zhou, and J. Yu. Structural balance theory-based e-commerce recommendation over big rating data. *IEEE Transactions on Big Data*, 4(3):301–312, September 2018. ISSN 2332-7790.
- Sarkar:2017:EUS**
- [SCA⁺17] S. Sarkar, S. Chawla, S. Ahmad, J. Srivastava, H. Hammady, F. Filali, W. Znaidi, and J. Borge-Holthoefer. Effective urban structure inference from traffic flow dynamics. *IEEE Transactions on Big Data*, 3(2):181–193, June 2017. ISSN 2332-7790.
- Shao:2018:SMC**
- [SCW18] Z. Shao, J. Cai, and Z. Wang. Smart monitoring cameras driven intelligent processing to big surveillance video data. *IEEE Transactions on Big Data*, 4(1):105–116, March 2018. ISSN 2332-7790.
- Sellami:2018:CQO**
- [SD18] R. Sellami and B. Defude. Complex queries optimization and evaluation over relational and NoSQL data stores in cloud environments. *IEEE Transactions on Big Data*, 4(2):217–230, June 2018. ISSN 2332-7790.

- | | |
|--|--|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Sidhanta:2017:ASA</div> <p>[SGMB17] S. Sidhanta, W. Golab, S. Mukhopadhyay, and S. Basu. Adaptive SLA-aware consistency tuning for quorum-replicated datastores. <i>IEEE Transactions on Big Data</i>, 3(3):248–261, September 2017. ISSN 2332-7790.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Salinas:2018:ESO</div> <p>[SLC⁺18] S. Salinas, C. Luo, X. Chen, W. Liao, and P. Li. Efficient secure outsourcing of large-scale sparse linear systems of equations. <i>IEEE Transactions on Big Data</i>, 4(1):26–39, March 2018. ISSN 2332-7790.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Shen:2017:SOS</div> <p>[SLWV17] H. Shen, G. Liu, H. Wang, and N. Vithlani. SocialQ&A: An online social network based question and answer system. <i>IEEE Transactions on Big Data</i>, 3(1):91–106, March 2017. ISSN 2332-7790.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Singh:2017:DSD</div> <p>[SRM17] D. Singh, D. Roy, and C. K. Mohan. DiP-SVM: Distribution preserving kernel support vector machine for big data. <i>IEEE Transactions on Big Data</i>, 3(1):79–90, March 2017. ISSN 2332-7790.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Shao:2016:CBS</div> <p>[SSSB16] W. Shao, F. D. Salim, A. Song, and A. Bouguettaya. Clustering big spatiotemporal-interval data. <i>IEEE Transactions on Big Data</i>, 2(3):190–203, September 2016. ISSN 2332-7790.</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">Sun:2015:CCH</div> <p>Zhenan Sun. Code consistent hashing based on information-theoretic criterion. <i>IEEE Transactions on Big Data</i>, 1(3):84–94, September 2015. CODEN ????. ISSN 2332-7790.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Sheng:2016:GEB</div> <p>M. Sheng, A. V. Vasilakos, Q. Yu, and L. You. Guest editorial: Big data analytics and the Web. <i>IEEE Transactions on Big Data</i>, 2(3):189, September 2016. ISSN 2332-7790.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Shao:2016:SNN</div> <p>M. Shao, X. Wu, and Y. Fu. Scalable nearest neighbor sparse graph approximation by exploiting graph structure. <i>IEEE Transactions on Big Data</i>, 2(4):365–380, December 2016. ISSN 2332-7790.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Sun:2018:MSM</div> <p>P. Sun, Y. Wen, D. N. B. Ta, and H. Xie. MetaFlow: A scalable metadata lookup service for distributed file systems in data centers. <i>IEEE Transactions on Big Data</i>, 4(2):203–216, June 2018. ISSN 2332-7790.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Shuai:2018:QJS</div> <p>H. Shuai, D. Yang, C. Shen, P. S. Yu, and M. Chen. QMSampler: Joint sampling of multiple networks with quality guarantee. <i>IEEE Transactions on Big Data</i>, 4(1):90–104, March 2018. ISSN 2332-7790.</p> |
|--|--|

- SoltaniPanah:2019:CDG**
- [SYv⁺19] A. Soltani Panah, A. Yavari, R. van Schyndel, D. Georgakopoulos, and X. Yi. Context-driven granular disclosure control for Internet of Things applications. *IEEE Transactions on Big Data*, 5(3):408–422, September 2019. ISSN 2332-7790.
- Shi:2018:EPM**
- [SZY⁺18] W. Shi, Y. Zhu, P. S. Yu, J. Zhang, T. Huang, C. Wang, and Y. Chen. Effective prediction of missing data on Apache Spark over multivariable time series. *IEEE Transactions on Big Data*, 4(4):473–486, December 2018. ISSN 2332-7790.
- Tian:2017:DIS**
- [TAL⁺17] Y. Tian, I. Alagiannis, E. Liarou, A. Ailamaki, P. Michiardi, and M. Vukoli . DiNoDB: An interactive-speed query engine for ad-hoc queries on temporary data. *IEEE Transactions on Big Data*, 3(3):320–333, September 2017. ISSN 2332-7790.
- Tang:2019:BDC**
- [TAL19] M. Tang, M. Alazab, and Y. Luo. Big data for cybersecurity: Vulnerability disclosure trends and dependencies. *IEEE Transactions on Big Data*, 5(3):317–329, September 2019. ISSN 2332-7790.
- Tao:2015:EIS**
- [Tao15] Dacheng Tao. Exploration of image search results quality assessment. *IEEE Transactions on Big Data*, 1(3):95–108, September 2015. CODEN ???? ISSN 2332-7790.
- Tang:2017:SLH**
- [TEOS17] X. Tang, E. Eftelioglu, D. Oliver, and S. Shekhar. Significant linear hotspot discovery. *IEEE Transactions on Big Data*, 3(2):140–153, June 2017. ISSN 2332-7790.
- Wang:2016:PCD**
- [Wan16] Jiajun Wang. Partial copy detection in videos: A benchmark and an evaluation of popular methods. *IEEE Transactions on Big Data*, 2(1):32–42, March 2016. CODEN ???? ISSN 2332-7790.
- Wan:2018:GMS**
- [WHT18] Z. Wan, H. He, and B. Tang. A generative model for sparse hyperparameter determination. *IEEE Transactions on Big Data*, 4(1):2–10, March 2018. ISSN 2332-7790.
- Wu:2016:TRT**
- [WJS⁺16] L. Wu, K. John Wu, A. Sim, M. Churchill, J. Y. Choi, A. Stathopoulos, C. Chang, and S. Klasky. Towards real-time detection and tracking of spatio-temporal features: Blob-filaments in fusion plasma. *IEEE Transactions on Big Data*, 2(3):262–275, September 2016. ISSN 2332-7790.
- Wang:2018:AMC**
- [WJW⁺18] B. Wang, J. Jiang, Y. Wu, G. Yang, and K. Li. Accelerating MapReduce on commodity

- clusters: An SSD-empowered approach. *IEEE Transactions on Big Data*, 4(3):396–407, September 2018. ISSN 2332-7790.
- Wu:2018:BDA**
- [WOD⁺18] J. Wu, K. Ota, M. Dong, J. Li, and H. Wang. Big data analysis-based security situational awareness for smart grid. *IEEE Transactions on Big Data*, 4(3):408–417, September 2018. ISSN 2332-7790.
- Wang:2017:GEB**
- [WQSA17] J. Wang, G. Qi, N. Sebe, and C. Aggarwal. Guest editorial: Big media data: Understanding, search, and mining. *IEEE Transactions on Big Data*, 3(1):36, March 2017. ISSN 2332-7790.
- Wu:2017:EED**
- [WS17] B. Wu and H. Shen. Exploiting efficient densest subgraph discovering methods for big data. *IEEE Transactions on Big Data*, 3(3):334–348, September 2017. ISSN 2332-7790.
- Wang:2018:MEM**
- [WSW⁺18] Y. Wang, Y. Shen, H. Wang, J. Cao, and X. Jiang. MtMR: Ensuring MapReduce computation integrity with Merkle tree-based verifications. *IEEE Transactions on Big Data*, 4(3):418–431, September 2018. ISSN 2332-7790.
- Win:2018:BDB**
- [WTM18] T. Y. Win, H. Tianfield, and Q. Mair. Big data based security analytics for protecting vir-
- tualized infrastructures in cloud computing. *IEEE Transactions on Big Data*, 4(1):11–25, March 2018. ISSN 2332-7790.
- Wang:2016:KSP**
- [WTRK16] L. Wang, S. Tasoulis, T. Roos, and J. Kangasharju. Kvasir: Scalable provision of semantically relevant Web content on big data framework. *IEEE Transactions on Big Data*, 2(3):219–233, September 2016. ISSN 2332-7790.
- West:2016:RSB**
- [WWSB16] Jevin D. West, Ian Wesley-Smith, and Carl T. Bergstrom. A recommendation system based on hierarchical clustering of an article-level citation network. *IEEE Transactions on Big Data*, 2(2):113–123, ???? 2016. CODEN ???? ISSN 2332-7790.
- Wang:2019:RBD**
- [WXZ⁺19] K. Wang, C. Xu, Y. Zhang, S. Guo, and A. Y. Zomaya. Robust big data analytics for electricity price forecasting in the smart grid. *IEEE Transactions on Big Data*, 5(1):34–45, March 2019. ISSN 2332-7790.
- Wang:2019:NSM**
- [WYK⁺19] H. Wang, H. Yao, D. Kifer, C. Graif, and Z. Li. Non-stationary model for crime rate inference using modern urban data. *IEEE Transactions on Big Data*, 5(2):180–194, June 2019. ISSN 2332-7790.

- | | |
|---|---|
| <div style="text-align: center; border: 1px solid black; padding: 5px;">Wang:2018:BDS</div> <p>[WYLD18] X. Wang, L. T. Yang, H. Liu, and M. J. Deen. A big data-as-a-service framework: State-of-the-art and perspectives. <i>IEEE Transactions on Big Data</i>, 4(3):325–340, September 2018. ISSN 2332-7790.</p> <div style="text-align: center; border: 1px solid black; padding: 5px;">Wu:2018:HCF</div> <p>[WZLS18a] D. Wu, L. Zhu, Q. Lu, and S. Sakr. HDM: A composable framework for big data processing. <i>IEEE Transactions on Big Data</i>, 4(2):150–163, June 2018. ISSN 2332-7790.</p> <div style="text-align: center; border: 1px solid black; padding: 5px;">Wu:2018:ECL</div> <p>[WZLS18b] J. Wu, W. Zheng, J. Lai, and C. Y. Suen. Euler clustering on large-scale dataset. <i>IEEE Transactions on Big Data</i>, 4(4):502–515, December 2018. ISSN 2332-7790.</p> <div style="text-align: center; border: 1px solid black; padding: 5px;">Wang:2018:SBD</div> <p>[WZY⁺18] J. Wang, X. Zhang, J. Yin, R. Wang, H. Wu, and D. Han. Speed up big data analytics by unveiling the storage distribution of sub-datasets. <i>IEEE Transactions on Big Data</i>, 4(2):231–244, June 2018. ISSN 2332-7790.</p> <div style="text-align: center; border: 1px solid black; padding: 5px;">Xu:2018:LTO</div> <p>[XLL⁺18] Z. Xu, X. Luo, Y. Liu, K. R. Choo, V. Sugumaran, N. Yen, L. Mei, and C. Hu. From latency, through outbreak, to decline: Detecting different states of emergency events using Web resources. <i>IEEE Transactions on Big Data</i>, 4(2):245–257, June 2018. ISSN 2332-7790.</p> | <div style="text-align: center; border: 1px solid black; padding: 5px;">Xia:2016:SAR</div> <p>[XLLC16] Feng Xia, Haifeng Liu, Ivan Lee, and Longbing Cao. Scientific article recommendation: Exploiting common author relations and historical preferences. <i>IEEE Transactions on Big Data</i>, 2(2):101–112, ???? 2016. CODEN ???? ISSN 2332-7790.</p> <div style="text-align: center; border: 1px solid black; padding: 5px;">Xue:2018:SNN</div> <p>[XLP⁺18] W. Xue, H. Li, Y. Peng, J. Cui, and Y. Shi. Secure k nearest neighbors query for high-dimensional vectors in outsourced environments. <i>IEEE Transactions on Big Data</i>, 4(4):586–599, December 2018. ISSN 2332-7790.</p> <div style="text-align: center; border: 1px solid black; padding: 5px;">Xia:2017:BSD</div> <p>[XWBL17] F. Xia, W. Wang, T. M. Bekele, and H. Liu. Big scholarly data: A survey. <i>IEEE Transactions on Big Data</i>, 3(1):18–35, March 2017. ISSN 2332-7790.</p> <div style="text-align: center; border: 1px solid black; padding: 5px;">Yang:2015:LAA</div> <p>Laurence T. Yang. LS-AMS: An adaptive indexing structure for realtime search on microblogs. <i>IEEE Transactions on Big Data</i>, 1(4):125–137, December 2015. CODEN ???? ISSN 2332-7790.</p> <div style="text-align: center; border: 1px solid black; padding: 5px;">Yang:2015:IIT</div> <p>Qiang Yang. Introduction to the <i>IEEE Transactions on Big Data</i>. <i>IEEE Transactions on Big Data</i>, 1(1):2–15, March 2015. CODEN ???? ISSN 2332-7790. URL http://www.computer.org/csdl/trans/bd/2015/01/07265156.pdf.</p> |
|---|---|

- Yang:2017:SJE**
- [Yan17] Q. Yang. State of the journal editorial. *IEEE Transactions on Big Data*, 3(1):1, March 2017. ISSN 2332-7790.
- Yang:2018:SJE**
- [Yan18] Q. Yang. State of the journal editorial. *IEEE Transactions on Big Data*, 4(1):1, March 2018. ISSN 2332-7790.
- Yang:2019:SJ**
- [Yan19] Q. Yang. State of the journal. *IEEE Transactions on Big Data*, 5(1):1, March 2019. ISSN 2332-7790.
- Yao:2015:GEB**
- [Yao15] Lina Yao. Guest editorial: Big data analytics and the Web. *IEEE Transactions on Big Data*, 1(4):123–124, December 2015. CODEN ???? ISSN 2332-7790. URL <http://www.computer.org/csd1/trans/bd/2015/04/07395032.pdf>.
- Yan:2016:DEB**
- [YDY⁺16] Zheng Yan, Wenxiu Ding, Xixun Yu, Haiqi Zhu, and Robert H. Deng. Deduplication on encrypted big data in cloud. *IEEE Transactions on Big Data*, 2(2):138–150, ???? 2016. CODEN ???? ISSN 2332-7790.
- Yao:2018:HAR**
- [YLLC18] Y. Yao, Y. Liu, Z. Liu, and H. Chen. Human activity recognition with posture tendency descriptors on action snippets. *IEEE Transactions on Big Data*,
- Yu:2015:PNP**
- [Yu15] Yaoliang Yu. Petuum: A new platform for distributed machine learning on big data. *IEEE Transactions on Big Data*, 1(2):49–67, June 2015. CODEN ???? ISSN 2332-7790.
- Yan:2019:HDS**
- [YZDZ19] Z. Yan, L. Zhang, W. DING, and Q. Zheng. Heterogeneous data storage management with deduplication in cloud computing. *IEEE Transactions on Big Data*, 5(3):393–407, September 2019. ISSN 2332-7790.
- Zhao:2018:DFS**
- [ZCH⁺18] L. Zhao, Z. Chen, Y. Hu, G. Min, and Z. Jiang. Distributed feature selection for efficient economic big data analysis. *IEEE Transactions on Big Data*, 4(2):164–176, June 2018. ISSN 2332-7790.
- Zhang:2019:UUD**
- [ZFLC19] M. Zhang, H. Fu, Y. Li, and S. Chen. Understanding urban dynamics from massive mobile traffic data. *IEEE Transactions on Big Data*, 5(2):266–278, June 2019. ISSN 2332-7790.
- Zheng:2015:MCD**
- [Zhe15] Yu Zheng. Methodologies for cross-domain data fusion: An overview. *IEEE Transactions on Big Data*, 1(1):16–34, March 2015. CODEN ???? ISSN 2332-7790.

- | | |
|---|---|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Zhang:2017:TPD</div> <p>[ZHL⁺17] D. Zhang, T. He, S. Lin, S. Munir, and J. A. Stankovic. Taxi-passenger-demand modeling based on big data from a roving sensor network. <i>IEEE Transactions on Big Data</i>, 3(3):362–374, September 2017. ISSN 2332-7790.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Zhuang:2015:WSS</div> <p>[Zhu15] Yueling Zhuang. Weakly semi-supervised deep learning for multi-label image annotation. <i>IEEE Transactions on Big Data</i>, 1(3):109–122, September 2015. CODEN ???? ISSN 2332-7790.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Zhang:2019:KIL</div> <p>[ZJZ⁺19] Z. Zhang, L. Jia, M. Zhao, G. Liu, M. Wang, and S. Yan. Kernel-induced label propagation by mapping for semi-supervised classification. <i>IEEE Transactions on Big Data</i>, 5(2):148–165, June 2019. ISSN 2332-7790.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Zhu:2017:SIB</div> <p>[ZLC⁺17] J. Zhu, A. Liu, M. Chen, T. Tasdizen, and H. Su. Special issue on biomedical big data: Understanding, learning and applications. <i>IEEE Transactions on Big Data</i>, 3(4):375–377, December 2017. ISSN 2332-7790.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Zheng:2017:GEU</div> <p>[ZMS17] Y. Zheng, C. Mascolo, and C. T. Silva. Guest editorial: Urban computing. <i>IEEE Transactions on Big Data</i>, 3(2):124–125, June 2017. ISSN 2332-7790.</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">ZQK17</div> <p>[ZQZ⁺17] G. Zhao, X. Qian, and C. Kang. Service rating prediction by exploring social mobile users geographical locations. <i>IEEE Transactions on Big Data</i>, 3(1):67–78, March 2017. ISSN 2332-7790.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Zhao:2017:SRP</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">Zhao:2017:TEF</div> <p>[Zhu:2017:LRG]</p> <p>X. Zhu, H. Suk, H. Huang, and D. Shen. Low-rank graph-regularized structured sparse regression for identifying genetic biomarkers. <i>IEEE Transactions on Big Data</i>, 3(4):405–414, December 2017. ISSN 2332-7790.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Zhu:2017:EST</div> <p>J. Y. Zhu, C. Sun, and V. O. K. Li. An extended spatio-temporal Granger causality model for air quality estimation with heterogeneous urban big data. <i>IEEE Transactions on Big Data</i>, 3(3):307–319, September 2017. ISSN 2332-7790.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Zheng:2016:VAU</div> <p>[ZWC⁺16] Y. Zheng, W. Wu, Y. Chen, H. Qu, and L. M. Ni. Visual analytics in urban computing: An overview. <i>IEEE Transactions on Big Data</i>, 2(3):276–296, September 2016. ISSN 2332-7790.</p> |
|---|---|

- Zhang:2019:SRT**
- [ZWV⁺19] D. Zhang, D. Wang, N. Vance, Y. Zhang, and S. Mike. On scalable and robust truth discovery in big data social media sensing applications. *IEEE Transactions on Big Data*, 5(2):195–208, June 2019. ISSN 2332-7790.
- Zhao:2016:DGP**
- [ZYB⁺16] Y. Zhao, K. Yoshigoe, J. Bian, M. Xie, Z. Xue, and Y. Feng. A distributed graph-parallel computing system with lightweight communication overhead. *IEEE Transactions on Big Data*, 2(3):204–218, September 2016. ISSN 2332-7790.
- Zhang:2018:QBD**
- [ZYYK18] P. Zhang, K. Yu, J. J. Yu, and S. U. Khan. QuantCloud: Big data infrastructure for quantitative finance on the cloud. *IEEE Transactions on Big Data*, 4(3):368–380, September 2018. ISSN 2332-7790.
- Zhu:2018:PCI**
- [ZZZ⁺18] J. Y. Zhu, C. Zhang, H. Zhang, S. Zhi, V. O. K. Li, J. Han, and Y. Zheng. pg-causality: Identifying spatiotemporal causal pathways for air pollutants with urban big data. *IEEE Transactions on Big Data*, 4(4):571–585, December 2018. ISSN 2332-7790.