**Big data - Ứng dụng trong công nghệ số**

(Cập nhật đến ngày 03/3/2023)

Big data hay còn gọi là dữ liệu lớn. Đây là hệ thống dữ liệu được tập hợp có khối lượng khổng lồ và phức tạp. Big data bao gồm hệ thống các dữ liệu có cấu trúc hoặc bán cấu trúc

Để hiểu rõ hơn Cục Thông tin KH&CN quốc gia xin giới thiệu một số bài nghiên cứu đã được xuất bản chính thức và các bài viết được chấp nhận đăng trên những cơ sở dữ liệu học thuật chính thống.



**1. Sciencedirect**

1. Big data analytics in flexible supply chain networks  
Computers & Industrial Engineering Available online 16 February 2023 In press, journal pre-proof Article 109098  
Jing Zheng, Chaher Alzaman, Ali Diabat  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S0360835223001225/pdfft?md5=c1d53a21a6f13847770d7dd43ce65057&pid=1-s2.0-S0360835223001225-main.pdf>

2. A big data platform exploiting auditable tokenization to promote good practices inside local energy communities  
Future Generation Computer Systems 9 December 2022 Volume 141 (Cover date: April 2023) Pages 595-610  
Luca Gagliardelli, Luca Zecchini, Fabio Moretti  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S0167739X22004113/pdfft?md5=4fd16a6e80fe9e09b4a90c6ad0a7dca1&pid=1-s2.0-S0167739X22004113-main.pdf>

3. Recovering the divide: A review of the big data analytics—strategy relationship  
Long Range Planning Available online 5 January 2023 In press, corrected proof Article 102290  
Yassine Talaoui, Marko Kohtamäki, Sotirios Paroutis  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S0024630122001091/pdfft?md5=9ea92f48f6d3f0680d48091fcfeb2c0f&pid=1-s2.0-S0024630122001091-main.pdf>

4. Evolutionary computation-based machine learning for Smart City high-dimensional Big Data Analytics  
Applied Soft Computing 26 December 2022 Volume 133 (Cover date: January 2023) Article 109955  
Xiaoming Li, Dan Zhang, Zhihan Lv  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S1568494622010043/pdfft?md5=8ade79f182eae0db66ed83b443f97db3&pid=1-s2.0-S1568494622010043-main.pdf>

5. Optimized hadoop map reduce system for strong analytics of cloud big product data on amazon web service  
Information Processing & Management 20 January 2023 Volume 60, Issue 3 (Cover date: May 2023) Article 103271  
Shengying Yang, Wuyin Jin, Kamarul Faizal Hashim  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S0306457323000080/pdfft?md5=22b928a526d5ef5ef0927862839babc6&pid=1-s2.0-S0306457323000080-main.pdf>

6. A survey on big data-enabled innovative online education systems during the COVID-19 pandemic  
Journal of Innovation & Knowledge 30 December 2022 Volume 8, Issue 1 (Cover date: January–March 2023) Article 100295  
Yuhuan Cui, Zezhong Ma, Huifang Wang  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S2444569X22001305/pdfft?md5=450e6b89021b1c9a33071bfe8657fa55&pid=1-s2.0-S2444569X22001305-main.pdf>

7. The intermediating role of big data analytics capability between responsive and proactive market orientations and firm performance in the retail industry  
Journal of Retailing and Consumer Services 18 November 2022 Volume 71 (Cover date: March 2023) Article 103193  
Fumikazu Morimura, Yuji Sakagawa  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S0969698922002867/pdfft?md5=b7c569708038907fe4a01b3f74b32de0&pid=1-s2.0-S0969698922002867-main.pdf>

8. A transaction platform for microservices-based big data systems  
Simulation Modelling Practice and Theory 11 December 2022 Volume 123 (Cover date: February 2023) Article 102709  
María Teresa González-Aparicio, Muhammad Younas, Rubén Casado  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S1569190X22001782/pdfft?md5=6f6d2858bf15b8f4ba32eed4793fd330&pid=1-s2.0-S1569190X22001782-main.pdf>  
  
9. Skyline recomputation in Big Data  
Information Systems 4 January 2023 Volume 114 (Cover date: March 2023) Article 102164  
Chouaib Bourahla, Ramdane Maamri, Said Brahimi  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S0306437922001429/pdfft?md5=5ab9dd367808d4a0ef42c4b55d924403&pid=1-s2.0-S0306437922001429-main.pdf>

10. Assessing environmental performance with big data: A DEA model with multiple data resources  
Computers & Industrial Engineering 25 January 2023 Volume 177 (Cover date: March 2023) Article 109041  
Jie Wu, Yinghao Pan, Zhixiang Zhou  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S0360835223000657/pdfft?md5=cc13066831a29fcd402c0cd2fcc52e36&pid=1-s2.0-S0360835223000657-main.pdf>

11. Big Data and Labour Markets: A Review of Research Topics  
Procedia Computer Science 13 January 2023 Volume 217 (Cover date: 2023) Pages 526-535  
Lejla Turulja, Dalia Suša Vugec, Mirjana Pejić Bach  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S1877050922023262/pdfft?md5=9376230fa32e1958e89e716787d0d3bb&pid=1-s2.0-S1877050922023262-main.pdf>

12. Smooth quantile regression and distributed inference for non-randomly stored big data  
Expert Systems with Applications 8 December 2022 Volume 215 (Cover date: 1 April 2023) Article 119418  
Kangning Wang, Jiaojiao Jia, Fayadh Alenezi  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S095741742202437X/pdfft?md5=e7b8afa3a517aba678d1bcf1ca99f36b&pid=1-s2.0-S095741742202437X-main.pdf>

13. Investigation on the use of ensemble learning and big data in crop identification  
Heliyon 31 January 2023 Volume 9, Issue 2 (Cover date: February 2023) Article e13339  
Sayed Ahmed, Amira S. Mahmoud, Sayed M. Arafat  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S2405844023005467/pdfft?md5=f0bac353fd1e4c06df6242acd0793666&pid=1-s2.0-S2405844023005467-main.pdf>

14. Construction of integration path of management accounting and financial accounting based on big data analysis  
Optik 30 November 2022 Volume 272 (Cover date: February 2023) Article 170321  
Haiyan Sun  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S0030402622015790/pdfft?md5=1c32ed21766a004d28084525e5360eec&pid=1-s2.0-S0030402622015790-main.pdf>

15. Uncertainty models in the integration path of rural tourism information construction and smart tourism based on big data technology  
Optik 1 December 2022 Volume 272 (Cover date: February 2023) Article 170320  
Min Wang, Jing Wang  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S0030402622015789/pdfft?md5=6a2b25f727efb9c8fc2ffa8dcc0d50bf&pid=1-s2.0-S0030402622015789-main.pdf>

16. Evolutionary machine learning builds smart education big data platform: Data-driven higher education  
Applied Soft Computing 11 February 2023 Volume 136 (Cover date: March 2023) Article 110114  
Lu Zheng, Cong Wang, Ru Zhang  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S1568494623001321/pdfft?md5=ce1935047029e758b69e20162c76bbc5&pid=1-s2.0-S1568494623001321-main.pdf>

17. An examination of pre-service mathematics teachers’ ethical reasoning in big data with considerations of access to data  
The Journal of Mathematical Behavior 25 January 2023 Volume 70 (Cover date: June 2023) Article 101029  
Christian H. Andersson, Jordan T. Register  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S0732312322000979/pdfft?md5=b705cc8707cd16b32780a594e319855a&pid=1-s2.0-S0732312322000979-main.pdf>

18. Management for stroke intelligent early warning empowered by big data  
Computers and Electrical Engineering 24 January 2023 Volume 106 (Cover date: March 2023) Article 108602  
Xiaoyong Chen, Boxiong Yang, Lin Gan  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S0045790623000277/pdfft?md5=0c630b1217d5a843f95bc5b818957b34&pid=1-s2.0-S0045790623000277-main.pdf>

19. Optimization health service management platform based on big data knowledge management  
Optik 15 December 2022 Volume 273 (Cover date: February 2023) Article 170412  
Si Wang  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S0030402622016709/pdfft?md5=ec76f50ff97d0448179d6cc84707caf4&pid=1-s2.0-S0030402622016709-main.pdf>

20. A sustainable Ethereum merge-based Big-Data gathering and dissemination in IIoT System  
Alexandria Engineering Journal 8 February 2023 Volume 69 (Cover date: 15 April 2023) Pages 109-119  
Ravi Sharma, Balázs Villányi  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S1110016823000820/pdfft?md5=036beb2ccdd6bcffff59f833815e9a65&pid=1-s2.0-S1110016823000820-main.pdf>

21. A personalized recommendation framework based on MOOC system integrating deep learning and big data  
Computers and Electrical Engineering 11 January 2023 Volume 106 (Cover date: March 2023) Article 108571  
Bifeng Li, Gangfeng Li, Jianhui Lv  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S0045790622007868/pdfft?md5=37d2782ef6f82586b766cdf70af95647&pid=1-s2.0-S0045790622007868-main.pdf>

22. Customer-centered data power: Sensing and responding capability in big data analytics  
Journal of Business Research 24 January 2023 Volume 158 (Cover date: March 2023) Article 113689  
Hsiao-Ting Tseng  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S0148296323000474/pdfft?md5=7bbe2c1e69c78b2519646c28a9bf0436&pid=1-s2.0-S0148296323000474-main.pdf>

23. Hadoop-based secure storage solution for big data in cloud computing environment  
Digital Communications and Networks Available online 20 January 2023 In press, journal pre-proof  
Shaopeng Guan, Conghui Zhang, Wenqing Liu  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S2352864823000275/pdfft?md5=1cd8b2137c588c811868aa36ce77596b&pid=1-s2.0-S2352864823000275-main.pdf>  
  
24. Social media user behavior analysis applied to the fashion and apparel industry in the big data era  
Journal of Retailing and Consumer Services 20 February 2023 Volume 72 (Cover date: May 2023) Article 103299  
Zhebin Xue, Qing Li, Xianyi Zeng  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S0969698923000462/pdfft?md5=3b73c07879b81b1944dec0b210bc3327&pid=1-s2.0-S0969698923000462-main.pdf>

25. Monitoring the enterprise carbon emissions using electricity big data: A case study of Beijing  
Journal of Cleaner Production 13 February 2023 Volume 396 (Cover date: 10 April 2023) Article 136427  
Hao Chen, Renhao Wang, Yuantao Yang  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S0959652623005851/pdfft?md5=983338d0b5e62fcf0bf5647aff940512&pid=1-s2.0-S0959652623005851-main.pdf>

26. Groundwater development and energy utilization of water environment protection based on big data and Internet of Things  
Energy Reports 10 February 2023 Volume 9 (Cover date: December 2023) Pages 3048-3056  
Rongjun You, Chunguang Li, Zhengguo Zhao  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S2352484723000902/pdfft?md5=5adc2c80a39184508bd1ac68357a0d2b&pid=1-s2.0-S2352484723000902-main.pdf>

27. BIM-based big data analytic system for healthcare facility management  
Journal of Building Engineering 7 December 2022 Volume 64 (Cover date: 1 April 2023) Article 105713  
Gökhan Demirdöğen, Zeynep Işık, Yusuf Arayici  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S2352710222017193/pdfft?md5=b97cb88e292dc3364234571238f564c2&pid=1-s2.0-S2352710222017193-main.pdf>

28. Analysis of public opinion on food safety in greater China with big data mining and machine learning  
Current Research in Food Science Available online 22 February 2023 In press, journal pre-proof Article 100468  
Haoyang Zhang, Dachuan Zhang, Bingwen Zhang  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S2665927123000369/pdfft?md5=fee8fa06af136d889fa56fdaeab32ad6&pid=1-s2.0-S2665927123000369-main.pdf>

29. How can organizations leverage big data to innovate their business models? A systematic literature review  
Technovation 13 February 2023 Volume 123 (Cover date: May 2023) Article 102713  
Chiara Acciarini, Francesco Cappa, Raffaele Oriani  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S016649722300024X/pdfft?md5=bc4ea11be526e66e747a75f4e505c105&pid=1-s2.0-S016649722300024X-main.pdf>

30. Integration of novel uncertainty models construction of college art and art design teaching system based on big data analysis  
Optik 1 December 2022 Volume 272 (Cover date: February 2023) Article 170319  
Yantao Wang  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S0030402622015777/pdfft?md5=a36762cf5a8cc0ca942a482968ad68f9&pid=1-s2.0-S0030402622015777-main.pdf>

31. Data in design: How big data and thick data inform design thinking projects  
Technovation Available online 6 January 2023 In press, corrected proof Article 102688  
Marzia Mortati, Stefano Magistretti, Claudio Dell’Era  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S0166497222002395/pdfft?md5=f3270ce0b5398f843cf43b24f393b999&pid=1-s2.0-S0166497222002395-main.pdf>

32. The Associations between Child and Item Characteristics, Use of Vocabulary Scaffolds, and Reading Comprehension in a Digital Environment: Insights from a Big Data Approach  
Contemporary Educational Psychology Available online 9 February 2023 In press, journal pre-proof Article 102165  
Laura Diprossimo, Anastasia Ushakova, Kate Cain  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S0361476X2300019X/pdfft?md5=04f900abceee0d95d1c6990166c3287a&pid=1-s2.0-S0361476X2300019X-main.pdf>

33. Supply chain financial credit evaluation mechanism under the background of big data  
Optik 17 November 2022 Volume 272 (Cover date: February 2023) Article 170266  
Qiongying Feng  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S0030402622015248/pdfft?md5=0660f32ed8cd53ba41b1b57e9a370e93&pid=1-s2.0-S0030402622015248-main.pdf>

34. Urban fire emergency management based on big data intelligent processing system and Internet of Things  
Optik 17 December 2022 Volume 273 (Cover date: February 2023) Article 170433  
Tong Peng, Wang Ke  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S0030402622016916/pdfft?md5=5b192510128d912c3b77300dda294e8c&pid=1-s2.0-S0030402622016916-main.pdf>

35. A secured big-data sharing platform for materials genome engineering: State-of-the-art, challenges and architecture  
Future Generation Computer Systems 29 December 2022 Volume 142 (Cover date: May 2023) Pages 59-74  
Ran Wang, Cheng Xu, Xiaotong Zhang  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S0167739X22004307/pdfft?md5=d05560fe1631f8e32fe41f69d43929d1&pid=1-s2.0-S0167739X22004307-main.pdf>

36. K-means clustering algorithms: A comprehensive review, variants analysis, and advances in the era of big data  
Information Sciences 1 December 2022 Volume 622 (Cover date: April 2023) Pages 178-210  
Abiodun M. Ikotun, Absalom E. Ezugwu, Jia Heming  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S0020025522014633/pdfft?md5=f4ae8627d0f5caa0859741c376879caa&pid=1-s2.0-S0020025522014633-main.pdf>

37. Do submission devices influence online review ratings differently across different types of platforms? A big data analysis  
Technological Forecasting and Social Change 19 January 2023 Volume 189 (Cover date: April 2023) Article 122296  
Marcello M. Mariani, Matteo Borghi, Benjamin Laker  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S0040162522008174/pdfft?md5=3ee7079a92e232d3327c523cbb7de85e&pid=1-s2.0-S0040162522008174-main.pdf>

38. Supply chain management professionals’ proficiency in big data analytics: Antecedents and impact on performance  
Transportation Research Part E: Logistics and Transportation Review 14 December 2022 Volume 169 (Cover date: January 2023) Article 102972  
Tobias Schoenherr  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S1366554522003490/pdfft?md5=8b41f5a20bd4967068b89b3e95eefdbd&pid=1-s2.0-S1366554522003490-main.pdf>

39. Dolphin-political optimized tversky index based feature selection in spark architecture for clustering big data  
Advances in Engineering Software 5 December 2022 Volume 176 (Cover date: February 2023) Article 103331  
Satish Chander, P. Vijaya, Maheswari R  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S0965997822002320/pdfft?md5=d8d89f83293555d559361ae0e193515e&pid=1-s2.0-S0965997822002320-main.pdf>

40. Economic Calculation in Light of Advances in Big Data and Artificial Intelligence  
Journal of Economic Behavior & Organization 26 December 2022 Volume 206 (Cover date: February 2023) Pages 243-250  
Karras J. Lambert, Tate Fegley  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S0167268122004528/pdfft?md5=dd40b8e9c0b7723f49b379e699b0d4fb&pid=1-s2.0-S0167268122004528-main.pdf>

41. A big-data-based recurrent neural network method for forest energy estimation  
Sustainable Energy Technologies and Assessments 31 December 2022 Volume 55 (Cover date: February 2023) Article 102910  
Yang Song, Youzhi Wang  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S2213138822009584/pdfft?md5=bff40584ece379923e6c417af643b413&pid=1-s2.0-S2213138822009584-main.pdf>

42. Using the big data analysis and basic information from lecture Halls to predict air change rate  
Journal of Building Engineering 31 December 2022 Volume 66 (Cover date: 1 May 2023) Article 105817  
Hsieh-Chih Hsu, Chen-Yu Pan, Zheng-Yun Zhuang  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S235271022201823X/pdfft?md5=b62c8f26072169581bbf631afa30f196&pid=1-s2.0-S235271022201823X-main.pdf>

43. Unpacking task-technology fit to explore the business value of big data analytics  
International Journal of Information Management 29 December 2022 Volume 69 (Cover date: April 2023) Article 102619  
Givemore Muchenje, Marko Seppänen  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S0268401222001530/pdfft?md5=50338921628d21e540014919ab3b495a&pid=1-s2.0-S0268401222001530-main.pdf>

44. Big data analytics-based approach for robust, flexible and sustainable collaborative networked enterprises  
Advanced Engineering Informatics 5 January 2023 Volume 55 (Cover date: January 2023) Article 101873  
Lahcen Tamym, Lyes Benyoucef, Moulay Driss El Ouadghiri  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S1474034623000010/pdfft?md5=5692236138ec682db8d53ece73737473&pid=1-s2.0-S1474034623000010-main.pdf>

45. Fiscal responses to COVID-19 outbreak for healthy economies: Modelling with big data analytics  
Structural Change and Economic Dynamics 27 December 2022 Volume 64 (Cover date: March 2023) Pages 191-198  
Gorkem Sariyer, Serpil Kahraman, Mustafa Gokalp Ataman  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S0954349X2200176X/pdfft?md5=36d58427b8d8acf6dad16e6a9bcc8bc8&pid=1-s2.0-S0954349X2200176X-main.pdf>

46. Automatic validation and analysis of predictive models by means of big data and data science  
Chemical Engineering Journal 9 November 2022 Volume 454, Part 3 (Cover date: 15 February 2023) Article 140149  
Edoardo Ramalli, Timoteo Dinelli, Tiziano Faravelli  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S1385894722056297/pdfft?md5=a44828e5dbc8fa770d3576a666db8e1b&pid=1-s2.0-S1385894722056297-main.pdf>

47. How to Use K-means for Big Data Clustering?  
Pattern Recognition 16 December 2022 Volume 137 (Cover date: May 2023) Article 109269  
Rustam Mussabayev, Nenad Mladenovic, Ravil Mussabayev  
<https://www-sciencedirect-com.dbvista.idm.oclc.org/science/article/pii/S0031320322007488/pdfft?md5=af71bfeca2fbaf8d7d25f8a14dbf3177&pid=1-s2.0-S0031320322007488-main.pdf>

    Nguồn: Cục Thông tin khoa học và công nghệ quốc gia