|  |
| --- |
| **第 1 条，共 5 条** |
| **标题:** Research on Fault Diagnosis of External Short Circuit of Lithium Battery for Electric Vehicle |
| **作者:** Liu, CC (Liu, Changchun); Wu, T (Wu, Tao); He, C (He, Cheng) |
| **书籍团体作者:** IOP |
| **来源出版物:** 2019 5TH INTERNATIONAL CONFERENCE ON ENVIRONMENTAL SCIENCE AND MATERIAL APPLICATION  **丛书:** IOP Conference Series-Earth and Environmental Science  **卷:** 440  **文献号:** 032106  **DOI:** 10.1088/1755-1315/440/3/032106  **出版年:** 2020 |
| **Web of Science 核心合集中的 "被引频次":** 0 |
| **被引频次合计:** 0 |
| **使用次数 (最近 180 天):** 0 |
| **使用次数 (2013 年至今):** 0 |
| **引用的参考文献数:** 2 |
| **摘要:** This study conducted an experimental study on the external short circuit (ESC) fault characteristics of lithium-ion batteries for electric vehicles. An experimental platform was established to simulate the electrical behavior of lithium batteries during ESC failure using a modified first-order RC model. The model parameters are re-identified by the dynamic neighborhood particle swarm optimization algorithm. An ESC fault diagnosis algorithm based on two-layer model is proposed. The first layer performs initial fault detection and the second layer performs accurate model-based diagnostics. The four new units are shorted to evaluate the proposed algorithm. The results show that the ESC fault can be diagnosed within 5 s, and the error between the model and the measured data is less than 0.36 V. The proposed algorithm can make a correct diagnosis. |
| **入藏号:** WOS:000561096601096 |
| **语言:** English |
| **文献类型:** Proceedings Paper |
| **会议名称:** 5th International Conference on Environmental Science and Material Application (ESMA) |
| **会议日期:** DEC 15-16, 2019 |
| **会议地点:** Xian, PEOPLES R CHINA |
| **地址:** [Liu, Changchun; Wu, Tao] Shanghai Polytech Univ, Sch Environm & Mat Engn, Shanghai 201209, Peoples R China. [He, Cheng] Shanghai Polytech Univ, Sch Intelligent Mfg & Control Engn, Shanghai 201209, Peoples R China. |
| **通讯作者地址:** Liu, CC (通讯作者)，Shanghai Polytech Univ, Sch Environm & Mat Engn, Shanghai 201209, Peoples R China. |
| **电子邮件地址:** 651979759@qq.com; 97314950@qq.com; hecheng@sspu.edu.cn |
| **出版商:** IOP PUBLISHING LTD |
| **出版商地址:** DIRAC HOUSE, TEMPLE BACK, BRISTOL BS1 6BE, ENGLAND |
| **Web of Science 类别:** Environmental Sciences |
| **研究方向:** Environmental Sciences & Ecology |
| **IDS 号:** BP7AH |
| **ISSN:** 1755-1307 |
| **29 字符的来源出版物名称缩写:** IOP C SER EARTH ENV |
| **ISO 来源出版物缩写:** IOP Conf. Ser. Earth Envir. Sci. |
| **来源出版物页码计数:** 5 |
| **基金资助致谢:** |
| |  |  | | --- | --- | | **基金资助机构** | **授权号** | | Shanghai Polytechnic University Graduate Program Fund | EGD18YJ0003 | |
| This work was financially supported by Shanghai Polytechnic University Graduate Program Fund (EGD18YJ0003). |
| **开放获取:** Bronze |
| **输出日期:** 2020-11-05 |

|  |
| --- |
| **第 2 条，共 5 条** |
| **标题:** Interaction Method Based on Visual Gesture Recognition |
| **作者:** Li, TZ (Li, Tiezhu); Qin, Q (Qin, Qin); Chen, ZY (Chen, Zhenyu) |
| **编者:** Tianran W; Tianyou C; Huitao F; Qifeng Y |
| **来源出版物:** SECOND TARGET RECOGNITION AND ARTIFICIAL INTELLIGENCE SUMMIT FORUM  **丛书:** Proceedings of SPIE  **卷:** 11427  **文献号:** 114273C  **DOI:** 10.1117/12.2553006  **出版年:** 2020 |
| **Web of Science 核心合集中的 "被引频次":** 0 |
| **被引频次合计:** 0 |
| **使用次数 (最近 180 天):** 0 |
| **使用次数 (2013 年至今):** 0 |
| **引用的参考文献数:** 11 |
| **摘要:** In order to enrich the diversity of interactive recognition methods, an interactive method of gesture recognition based on static vision is proposed. The static gesture images are captured by color camera in real time. The gesture is extracted based on FHOG features. The extracted eigenvalues are used as input of SVM multi-class classifier to recognize gesture actions. The gesture features are used to locate feature points to achieve the segmentation of gesture recognition and gesture recognition. The experimental results show that the system can recognize six common static gestures. The system has good robustness, with an average recognition rate of 95.31%, a rejection recognition rate of 9.37%, and an overall recognition efficiency of 90.63%. |
| **入藏号:** WOS:000546230500116 |
| **语言:** English |
| **文献类型:** Proceedings Paper |
| **会议名称:** 2nd Target Recognition and Artificial Intelligence Summit Forum |
| **会议日期:** AUG 28-30, 2019 |
| **会议地点:** Shenyang, PEOPLES R CHINA |
| **会议赞助商:** CAS, Shenyang Inst Automat, CSA, Photoelectron Technol Comm, Chinese Soc Opt Engn |
| **作者关键词:** FHOG; Gesture Recognition; Feature Extraction; Support Vector Machine Classification |
| **地址:** [Li, Tiezhu] Shanghai Polytech Univ, Engn Training Ctr, Shanghai 201209, Peoples R China. [Qin, Qin; Chen, Zhenyu] Shanghai Polytech Univ, Sch Intelligent Mfg & Control Engn, Shanghai 201209, Peoples R China. |
| **通讯作者地址:** Qin, Q (通讯作者)，Shanghai Polytech Univ, Sch Intelligent Mfg & Control Engn, Shanghai 201209, Peoples R China. |
| **出版商:** SPIE-INT SOC OPTICAL ENGINEERING |
| **出版商地址:** 1000 20TH ST, PO BOX 10, BELLINGHAM, WA 98227-0010 USA |
| **Web of Science 类别:** Computer Science, Artificial Intelligence; Optics |
| **研究方向:** Computer Science; Optics |
| **IDS 号:** BP3CK |
| **ISSN:** 0277-786X |
| **eISSN:** 1996-756X |
| **ISBN:** 978-1-5106-3632-3 |
| **29 字符的来源出版物名称缩写:** PROC SPIE |
| **来源出版物页码计数:** 5 |
| **基金资助致谢:** |
| |  |  | | --- | --- | | **基金资助机构** | **授权号** | | State Key Research and Development Program of China | 2017YFE0118700 | | European Union | 734599 | |
| This project is funded by the State Key Research and Development Program of China (2017YFE0118700); and received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Sklodowska-Curie grant agreement No 734599. |
| **输出日期:** 2020-11-05 |

|  |
| --- |
| **第 3 条，共 5 条** |
| **标题:** Research on Virtual Assembly Technology of Automobile |
| **作者:** Tu, ZM (Tu Zimei); Lv, QY (Lv Qinyuan); Zhu, XL (Zhu Xiaolong); Jiang, JK (Jiang Jingke); Qin, Q (Qin Qin); Dai, ZX (Dai Zuoxiao) |
| **编者:** Tianran W; Tianyou C; Huitao F; Qifeng Y |
| **来源出版物:** SECOND TARGET RECOGNITION AND ARTIFICIAL INTELLIGENCE SUMMIT FORUM  **丛书:** Proceedings of SPIE  **卷:** 11427  **文献号:** 114270H  **DOI:** 10.1117/12.2549952  **出版年:** 2020 |
| **Web of Science 核心合集中的 "被引频次":** 0 |
| **被引频次合计:** 0 |
| **使用次数 (最近 180 天):** 4 |
| **使用次数 (2013 年至今):** 4 |
| **引用的参考文献数:** 9 |
| **摘要:** The conventional training for automobile assembly and disassembly has such weak points as need of ample space, lack of teachers, heavy loss of instruments, low efficiency and unsatisfactory training results. This article puts forward a kind of automobile assembly technology based on virtual reality (shortened as VR). With the help of HTC VIVE helmet display and handle as the input and output media, the interactive connection between the user and the virtual scene is established. Lead the structured automobile model into the Unity 3D development engine, and write the script using the object-oriented programming method of C# language, to realize automobile virtual assembly processes, which includes such major functions as main scene design, component recognition, assembly demonstration, virtual assembly and simulated driving. This technology, featuring rich content, short cycle, low cost, flexible and easy use, strong user experience, low risk, lead and play, and strong expansibility, etc., has good practical significance for current automobile assembly. |
| **入藏号:** WOS:000546230500016 |
| **语言:** English |
| **文献类型:** Proceedings Paper |
| **会议名称:** 2nd Target Recognition and Artificial Intelligence Summit Forum |
| **会议日期:** AUG 28-30, 2019 |
| **会议地点:** Shenyang, PEOPLES R CHINA |
| **会议赞助商:** CAS, Shenyang Inst Automat, CSA, Photoelectron Technol Comm, Chinese Soc Opt Engn |
| **作者关键词:** Virtual Assembly; Automobile; Unity 3D |
| **地址:** [Tu Zimei; Lv Qinyuan; Zhu Xiaolong; Jiang Jingke; Qin Qin] Shanghai Polytech Univ, Sch Intelligent Mfg & Control Engn, Shanghai, Peoples R China. [Dai Zuoxiao] Chinese Acad Chinese, Shanghai Inst Tech Phys, Shanghai, Peoples R China. |
| **通讯作者地址:** Tu, ZM (通讯作者)，Shanghai Polytech Univ, Sch Intelligent Mfg & Control Engn, Shanghai, Peoples R China. |
| **电子邮件地址:** zmtu@sspu.edu.cn |
| **出版商:** SPIE-INT SOC OPTICAL ENGINEERING |
| **出版商地址:** 1000 20TH ST, PO BOX 10, BELLINGHAM, WA 98227-0010 USA |
| **Web of Science 类别:** Computer Science, Artificial Intelligence; Optics |
| **研究方向:** Computer Science; Optics |
| **IDS 号:** BP3CK |
| **ISSN:** 0277-786X |
| **eISSN:** 1996-756X |
| **ISBN:** 978-1-5106-3632-3 |
| **29 字符的来源出版物名称缩写:** PROC SPIE |
| **来源出版物页码计数:** 8 |
| **基金资助致谢:** |
| |  |  | | --- | --- | | **基金资助机构** | **授权号** | | National Key R&D Program of China | 2017YFE0118700 | | EU H2020 FIRST project | 734599 | | National Natural Science Foundation of China | 51605273  U1537110 | | Shanghai Polytechnic University Key Discipline Construction (Mechanical Engineering) | XXKZD1603 | | Shanghai Polytechnic University University Enterprise Cooperation Automobile Electronic Joint Experiment Center | A11NH190704 | | Shanghai Polytechnic University Research Center of Resource Recycling Science and Engineering |  | | Gaoyuan Discipline of Shanghai -Environmental Science and Engineering (Resource Recycling Science and Engineering) |  | |
| This research has been partially sponsored by National Key R&D Program of China(2017YFE0118700), EU H2020 FIRST project(Grand No.734599,FIR ST:vF Interoperation supporting business innovation), National Natural Science Foundation of China under Grand(No.U1537110 and 51605273), and Shanghai Polytechnic University Key Discipline Construction (Mechanical Engineering, XXKZD1603). and Shanghai Polytechnic University University Enterprise Cooperation Automobile Electronic Joint Experiment Center with Grant Number A11NH190704 and Shanghai Polytechnic University Research Center of Resource Recycling Science and Engineering, and Gaoyuan Discipline of Shanghai -Environmental Science and Engineering (Resource Recycling Science and Engineering) |
| **输出日期:** 2020-11-05 |

|  |
| --- |
| **第 4 条，共 5 条** |
| **标题:** Orbit optimization of spacecraft for remote sensing of Qinghai-Tibet plateau |
| **作者:** Jiang, H (Jiang, Hu); Deng, L (Deng, Lei); Yu, JP (Yu, Jinpei); Jiang, YS (Jiang, Yuesheng) |
| **编者:** Cao Z; Ma J; Chen Z; Shi Y |
| **来源出版物:** MIPPR 2019: REMOTE SENSING IMAGE PROCESSING, GEOGRAPHIC INFORMATION SYSTEMS, AND OTHER APPLICATIONS  **丛书:** Proceedings of SPIE  **卷:** 11432  **文献号:** UNSP 114320W  **DOI:** 10.1117/12.2537669  **出版年:** 2020 |
| **Web of Science 核心合集中的 "被引频次":** 0 |
| **被引频次合计:** 0 |
| **使用次数 (最近 180 天):** 0 |
| **使用次数 (2013 年至今):** 0 |
| **引用的参考文献数:** 4 |
| **摘要:** Qinghai-Tibet plateau is one of the increasingly important parts of Chinese Mainland After military tension at the boundary between China and India appeared a few years ago, China is focusing on such tasks as remote sensing of Qinghai-Tibet plateau. Qinghai-Tibet plateau is too large to collect basic dataset of meteorology, greenery, and hydrology by manual means. Space-based technique can meet such an requirement. Such payloads onboard spacecraft as lidar, radiometer, radar can provide a good solution to effectively collect dataset for a particular area of interest. With the deployment of comprehensive survey of Qinghai-Tibet plateau by China, the feasibilities assessment of implementing space project to monitor the Qinghai-Tibet plateau are impending. How to choose the most proper orbit is one of the tasks of feasibilities assessment. Herein, three sets of orbits are simulated and assessed. In case 1, a circular orbit with 250 kilometers in altitude is analyzed, and the operation orbit is sun-synchronous. According to relative simulations, orbital altitude damping rate is 10.2 kilometers per day. In order to keep the stable orbit altitude or offset the orbit altitude damping, 558 kilograms of fuel should be needed per year; 1117 kilograms of fuel should be needed to keep a stable orbit every two years. In case 2, an elliptic orbit with perigee altitude of 250km and apogee altitude of 500km is considered. Based on relative simulations, orbital altitude damping rate is 2.461 kilometers per day. In order to keep the stable orbit altitude or offset the orbit altitude damping, 130 kilograms of fuel should be needed per year; 261 kilograms of fuel should be needed to keep a stable orbit every two years. In case 3, an elliptic orbit with perigee altitude of 250km and apogee altitude of 600km is considered. Based on relative simulations, orbital altitude damping rate is 1.67 kilometers per day. In order to keep the stable orbit altitude or offset the orbit altitude damping, 87.6 kilograms of fuel should be needed per year; 175.2 kilograms of fuel should be needed to keep a stable orbit every two years. During the simulation and assessment, the ratio of area to mass of the spacecraft in question is assumed to be 0.01 square meters per kilograms; and the mass of the spacecraft is set to be 500 kilograms. As a result of trade-off between economy and payload priority of observation advantages, the case 3 is preferred to work as the operation orbit. In such an orbit, the spacecraft will contribute more efficiently to the comprehensive surveying of Qinghai-Tibet plateau. |
| **入藏号:** WOS:000542922000031 |
| **语言:** English |
| **文献类型:** Proceedings Paper |
| **会议名称:** SPIE 11th International Symposium on Multispectral Image Processing and Pattern Recognition (MIPPR) - Remote Sensing Image Processing, Geographic Information Systems, and Other Applications |
| **会议日期:** NOV 02-03, 2019 |
| **会议地点:** Wuhan, PEOPLES R CHINA |
| **会议赞助商:** Huazhong Univ Sci & Technol, Natl Key Lab Sci & Technol Multi Spectral Informat Proc, Wuhan Inst Technol, Automat Assoc Hubei, SPIE |
| **作者关键词:** Orbit optimization; payload; remote sensing; Qinghai-Tibet plateau |
| **地址:** [Jiang, Hu; Deng, Lei; Yu, Jinpei] Shanghai Engn Ctr Microsatellites, 99 Haike Rd, Shanghai 201203, Peoples R China. [Jiang, Hu; Deng, Lei; Yu, Jinpei] Chinese Acad Sci, Innovat Acad Microsatellites, 99 Haike Rd, Shanghai 201203, Peoples R China. [Jiang, Hu; Deng, Lei; Yu, Jinpei] Chinese Acad Sci, Key Lab Microsatellites, 99 Haike Rd, Shanghai 201203, Peoples R China. [Jiang, Yuesheng] Shanghai Polytech Univ, Coll Engn, 2360 Jinhai Rd, Shanghai 201209, Peoples R China. |
| **通讯作者地址:** Jiang, H (通讯作者)，Shanghai Engn Ctr Microsatellites, 99 Haike Rd, Shanghai 201203, Peoples R China. Jiang, H (通讯作者)，Chinese Acad Sci, Innovat Acad Microsatellites, 99 Haike Rd, Shanghai 201203, Peoples R China. Jiang, H (通讯作者)，Chinese Acad Sci, Key Lab Microsatellites, 99 Haike Rd, Shanghai 201203, Peoples R China. |
| **电子邮件地址:** hh9999ca@163.com |
| **作者识别号:** |
| |  |  |  | | --- | --- | --- | | **作者** | **Web of Science ResearcherID** | **ORCID 号** | | Jiang, Hu |  | 0000-0003-2711-9995 | |
| **出版商:** SPIE-INT SOC OPTICAL ENGINEERING |
| **出版商地址:** 1000 20TH ST, PO BOX 10, BELLINGHAM, WA 98227-0010 USA |
| **Web of Science 类别:** Remote Sensing; Optics; Imaging Science & Photographic Technology |
| **研究方向:** Remote Sensing; Optics; Imaging Science & Photographic Technology |
| **IDS 号:** BP2JN |
| **ISSN:** 0277-786X |
| **eISSN:** 1996-756X |
| **ISBN:** 978-1-5106-3642-2 |
| **29 字符的来源出版物名称缩写:** PROC SPIE |
| **来源出版物页码计数:** 4 |
| **输出日期:** 2020-11-05 |

|  |
| --- |
| **第 5 条，共 5 条** |
| **标题:** Research on International Logistics Supply Chain Management Mode from the Perspective of Cross-border E-commerce |
| **作者:** Pan, HL (Pan, HaiLan) |
| **编者:** Xu Z; Choo KKR; Dehghantanha A; Parizi R; Hammoudeh M |
| **来源出版物:** CYBER SECURITY INTELLIGENCE AND ANALYTICS  **丛书:** Advances in Intelligent Systems and Computing  **卷:** 928  **页:** 737-744  **DOI:** 10.1007/978-3-030-15235-2\_101  **出版年:** 2020 |
| **Web of Science 核心合集中的 "被引频次":** 0 |
| **被引频次合计:** 0 |
| **使用次数 (最近 180 天):** 11 |
| **使用次数 (2013 年至今):** 68 |
| **引用的参考文献数:** 20 |
| **摘要:** Under the background of global economic integration and rapid development of information technology, the international foreign trade market has further expanded, and cross-border e-commerce has begun to rise. The rise of cross-border e-commerce has had an impact on the past logistics supply chain management model, and it is urgent for enterprises to create a new management model and keep pace with the times. From the perspective of cross-border e-commerce, the international logistics supply chain management model is in line with the needs of the times, and can ensure that the core competitiveness of enterprises is continuously improved, and thus promote the long-term development of enterprises. Based on this, this paper introduces the relationship between the various components of the logistics supply chain, and proposes the construction strategy of the logistics supply chain management model from the perspective of international e-commerce, in order to provide a theoretical basis for enterprise development. |
| **入藏号:** WOS:000490430400101 |
| **语言:** English |
| **文献类型:** Proceedings Paper |
| **会议名称:** International Conference on Cyber Security Intelligence and Analytics (CSIA) |
| **会议日期:** FEB 21-22, 2019 |
| **会议地点:** Shenyang, PEOPLES R CHINA |
| **作者关键词:** Cross-border e-commerce; Logistics supply chain; Supply chain management; Mode; Global |
| **地址:** [Pan, HaiLan] Shanghai Univ, Sch Comp Engn & Sci, 99 Shangda Rd, Shanghai, Peoples R China. [Pan, HaiLan] Shanghai Polytech Univ, Res Ctr Resource Recycling Sci & Engn, 2360 Jinhai Rd, Shanghai, Peoples R China. [Pan, HaiLan] Shanghai Polytech Univ, Sch Econ & Management, 2360 Jinhai Rd, Shanghai, Peoples R China. |
| **通讯作者地址:** Pan, HL (通讯作者)，Shanghai Univ, Sch Comp Engn & Sci, 99 Shangda Rd, Shanghai, Peoples R China. Pan, HL (通讯作者)，Shanghai Polytech Univ, Res Ctr Resource Recycling Sci & Engn, 2360 Jinhai Rd, Shanghai, Peoples R China. Pan, HL (通讯作者)，Shanghai Polytech Univ, Sch Econ & Management, 2360 Jinhai Rd, Shanghai, Peoples R China. |
| **电子邮件地址:** panhailan@sspu.edu.cn |
| **出版商:** SPRINGER INTERNATIONAL PUBLISHING AG |
| **出版商地址:** GEWERBESTRASSE 11, CHAM, CH-6330, SWITZERLAND |
| **Web of Science 类别:** Computer Science, Artificial Intelligence; Computer Science, Theory & Methods |
| **研究方向:** Computer Science |
| **IDS 号:** BO0EU |
| **ISSN:** 2194-5357 |
| **eISSN:** 2194-5365 |
| **ISBN:** 978-3-030-15235-2; 978-3-030-15234-5 |
| **29 字符的来源出版物名称缩写:** ADV INTELL SYST |
| **来源出版物页码计数:** 8 |
| **基金资助致谢:** |
| |  |  | | --- | --- | | **基金资助机构** | **授权号** | | Gaoyuan Discipline of ShanghaiEnvironmental Science and Engineering (Resource Recycling Science and Engineering), Discipline of Management Science and Engineering of Shanghai Polytechnic University | XXKPY1606 | |
| This research was supported in part by Gaoyuan Discipline of ShanghaiEnvironmental Science and Engineering (Resource Recycling Science and Engineering), Discipline of Management Science and Engineering of Shanghai Polytechnic University (Grant No. XXKPY1606). |
| **输出日期:** 2020-11-05 |