

51 Articles Handled by a Specific Academic Editor on PLoS ONE Were Retracted

Recently, the 5GH Team notes that 51 articles on PLoS ONE, handled by a specific academic editor, LV Zhihan (吕智涵), were retracted, mainly due to "peer review integrity and potential manipulation of the publication process" or "peer review integrity and similarities across articles", raising concerns whether the handling editor, LV Zhihan, got involved the manipulated publication process.

DOI	Title	Published	Retracted	Reasons	Editor Name	Editor Institution
10.1371/journal.pone.0258602	Implementation of organization and end-user computing to improve machine monitoring and analysis system security control.	2021	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	Qingdao University
10.1371/journal.pone.0258696	Examining false learning in online lending: Complete future or incomplete future	2021	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	Qingdao University
10.1371/journal.pone.0258361	Detecting phishing websites using machine learning technique	2021	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	Qingdao University
10.1371/journal.pone.0257580	Machine learning model for predicting the optimal depth of in-vitro state restriction in prostate patients: A retrospective cohort study	2021	Concerned	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	Qingdao University
10.1371/journal.pone.0243138	Examining false learning in online lending: Complete future or incomplete future	2021	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	Qingdao University
10.1371/journal.pone.0255803	Analyzing the regional economic changes in a high-tech industrial development zone using machine learning algorithms	2021	2023	peer review integrity and similarities across articles	Zhihan Lv	Qingdao University
10.1371/journal.pone.0251591	Effect of donor financial literacy perception on donation intention in nonprofit organizations after COVID-19 outbreak	2021	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	Qingdao University
10.1371/journal.pone.0256136	Does the New Rural Pension Scheme improve residents' livelihood? Empirical evidence from Northwestern China	2021	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	University College London
10.1371/journal.pone.0256402	Reinforcement learning for robot system of hybrid electromagnetic bearing and elastic foil gas bearing with dynamic compensation analysis under deep learning	2021	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	University College London
10.1371/journal.pone.0246403	Application of deep learning in automatic detection of normal and infected red blood cells in blood films	2021	2023	peer review integrity and similarities across articles	Zhihan Lv	University College London
10.1371/journal.pone.0246161	Measuring convergence in the e-commerce industry in China's e-commerce industry	2021	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	University College London
10.1371/journal.pone.0246454	Research on the inheritance and protection of folk art and culture from the perspective of network cultural governance	2021	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	University College London
10.1371/journal.pone.0246207	Application and effect evaluation of nursing quality target management in the fire transportation for head injury	2021	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	University College London
10.1371/journal.pone.0244440	A study on international change features of soil salinity management in the two transportation for head injury	2021	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	University College London
10.1371/journal.pone.0244220	The design of tourism product CAD three-dimensional modeling system using VR technology	2020	2024	peer review integrity and similarities across articles	Zhihan Lv	University College London
10.1371/journal.pone.0244225	Machine learning-based economic platform for resource customer prediction model	2020	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	University College London
10.1371/journal.pone.0244105	Applying Internet information technology combined with deep learning to tourism collaborative recommendation system	2020	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	University College London
10.1371/journal.pone.0243107	Control of hybrid electromagnetic bearing and elastic foil gas bearing under deep learning	2020	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	University College London
10.1371/journal.pone.0242253	The effect of machine learning-based knowledge management model on enterprise organizational ability, innovation and sustainable development	2020	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	University College London
10.1371/journal.pone.0242060	SS stacking: Improving user purchase behavior prediction by information factor and ensemble learning	2020	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	University College London
10.1371/journal.pone.0240695	The use of machine learning algorithm based on residual and LSTM neural network in translation learning	2020	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	University College London
10.1371/journal.pone.0241313	Single image super-resolution via image Quality Assessment-Guided Deep Learning Network	2020	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	University College London
10.1371/journal.pone.0240490	The use of deep learning algorithm and digital media art in media intelligent electronic music system	2020	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	University College London
10.1371/journal.pone.0237364	The data dimension reduction and data reconstruction in the process of smart grid reconstruction using machine learning	2020	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	University College London
10.1371/journal.pone.0236840	Evaluation of the water landscape of the plant community of urban wet green spaces based on the water landscape evaluation method in Yangzhou, China	2020	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	University College London
10.1371/journal.pone.0236863	How factor analysis combined with deep learning in the risk assessment of overseas investment of enterprises	2020	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	University College London
10.1371/journal.pone.0236871	Economic discourse: Authoritarianism or democracy? — Evidence from China	2020	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	University College London
10.1371/journal.pone.0236920	A freight linear flow programming model under fog forecasting and the dynamic optimization of vehicle repositioning decisions	2020	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	University College London
10.1371/journal.pone.0236864	Simulation and prediction of genetic hazards and the impacts on tomorrow's buildings in energy space through BIM	2020	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	University College London
10.1371/journal.pone.0236460	Multi-sensor information fusion detection system for the road traffic congestion measurement	2020	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	University College London
10.1371/journal.pone.0235990	Flow management system and intelligent decision-making for prefabricated building project under deep learning modified learning-based optimization	2020	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	University College London
10.1371/journal.pone.0234207	The use of handwound rock lowering circle theory combined with genetic algorithm and calculation method and deep learning in roadway support	2020	2024	peer review integrity and similarities across articles	Zhihan Lv	University College London
10.1371/journal.pone.0234508	Analysis of the pattern recognition algorithm of broadband satellite modulation signal under deformable convolutional neural network	2020	2025	peer review integrity and potential manipulation of the publication process. authors requested the retraction before journal's investigation	Zhihan Lv	University College London
10.1371/journal.pone.0233783	Analysis of the role and robustness of artificial intelligence in commodity image recognition under deep learning neural network	2020	2024	peer review integrity and similarities across articles	Zhihan Lv	University College London
10.1371/journal.pone.0235647	Application of deep neural network and deep reinforcement learning in wireless communication	2020	2024	peer review integrity and similarities across articles	Zhihan Lv	University College London
10.1371/journal.pone.0233306	The information monitoring of transaction for each program: neural network and genetic algorithm and its application in genetic engineering	2020	2024	peer review integrity and similarities across articles	Zhihan Lv	University College London
10.1371/journal.pone.0234450	Influence of the combination of big data technology on the team pattern with deep learning in elevator safety monitoring efficiency	2020	2024	peer review integrity and similarities across articles	Zhihan Lv	University College London
10.1371/journal.pone.0234775	Super-resolution reconstruction of real infrared images acquired with commercial aerial vehicle	2020	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	University College London
10.1371/journal.pone.0234243	Adoption of image surface parameters under moving edge sampling in the construction of maritime fire warning method	2020	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	University College London
10.1371/journal.pone.0232020	Dynamic performance of a bio-lux R200 wing robot under random disturbances	2020	2024	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	University College London
10.1371/journal.pone.0228841	Transfer learning-based evaluation of SDN network nodes based on double-layer bio-inspired	2020	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	University College London
10.1371/journal.pone.0228770	Effect of cost control analysis under deep reinforcement learning on financial benefit evaluation of investment projects	2020	2024	peer review integrity and similarities across articles	Zhihan Lv	University College London
10.1371/journal.pone.0228973	The value of Monte Carlo model-based variance reduction technology in the pricing of financial securities	2020	2024	peer review integrity and similarities across articles	Zhihan Lv	University College London
10.1371/journal.pone.0227894	Fire-granularity inference and estimations to network traffic for SDN	2020	2023	peer review integrity and similarities across articles	Zhihan Lv	University College London
10.1371/journal.pone.0226247	High precision positioning of new personnel based on wireless pulse technology	2019	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	University College London
10.1371/journal.pone.0219803	Design of a tomato classifier based on machine vision	2018	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	University College London
10.1371/journal.pone.0219177	On the networking synthesis of studio factors to the integration of design prototyping	2018	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	University College London
10.1371/journal.pone.0194300	Fire-granularity inference and estimations to network traffic for SDN	2018	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	University College London
10.1371/journal.pone.0187513	Automatic structural scene digitalization	2017	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	University College London
10.1371/journal.pone.0186593	3D structural reconstruction using threshold adaptive transform and cylindrical surface projection	2017	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	University College London
10.1371/journal.pone.0183634	Data augmentation-assisted deep learning of hand-drawn partially colored sketches for visual search	2017	---	---	Zhihan Lv	University College London
10.1371/journal.pone.0177671	Conventional similarity analysis through tensor principal component analysis	2017	2025	peer review integrity and potential manipulation of the publication process.	Zhihan Lv	University College London
10.1371/journal.pone.0176534	Individuals with severely injured vision can learn useful information and visual skills in virtual reality and gain less than in improved real-world safety	2017	---	---	Zhihan Lv	University College London

Those articles were published from 2017 to 2021, however, most of them (31 of 51) were published in 2020. Although LV works in the field of computer science, the disciplines of some articles were health, economy and others. And those articles were retracted from 2023 to recently. Although some articles retracted in 2023 indicated problematic peer review process, most of the articles were not retracted until 2025. It remains unclear whether the journal/publisher did not note the problematic peer review until recently.

The 5GH Team reached to PLoS ONE and the ethic team of PLoS for further information about whether LV got involved in the manipulated publication process, and whether the journal/publisher did or will inform LV's institution about his role on those articles. The team is waiting for replies from the journal/publisher.

The recent publications by LV suggest that he is working for Uppsala University, Sweden, although the institutions for LV were assigned to be Qiongdoo University and University College London when he was handling those articles. LV currently is also the editorial board members of several IEEE journals.

The 5GH Team will post the update if we have any.

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