Curriculum Vitae: Qun Luo

Master
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EDUCATION

9/2022–Present	College of Water Sciences, Beijing Normal University, China	Master	GPA:3.6/4.0
9/2018–6/2022	China University of Geosciences in Beijing, China	Bachelor of Engineering	GPA:3.61/4.0

PUBLICATIONS

Luo Q, Peng D, Shang W, et al. Water quality analysis based on LSTM and BP optimization with a transfer learning model[J]. Environmental Science and Pollution Research, 2023, 30(59): 124341-124352.

Luo Q, Dingzhi Peng*, Yu Gu, et al. Suitable coupling strategies for AI and optical flow method in precipitation nowcasting[J]. Journal of Hydrology, 2024(Under Review)

Luo, Q., Peng, D., Gu, Y., Luo, X. (2023): Water quality prediction for Beijing's sub-center based on deep learning model, XXVIII General Assembly of the International Union of Geodesy and Geophysics (IUGG). https://doi.org/10.57757/IUGG23-2988

The invention relates to a porous composite glass tube and a novel humidifier, patent number: ZL2020 22802646.5

Migration fusion prediction software based on geographic information, Register Number: 2024SR0513123

RESEARCH EXPERIENCE

Beijing Normal University	Master	Coupling neural vision and convolutional neural network and recurrent neural network for the prediction of satellite precipitation products; building a hydrological network framework and attempting to construct a hydrological large-scale model using big data
Meitu Imaging and Vision Lab (MT Lab)	Computer Vision Engineer Intern	Reproduced a variety of deep learning algorithms, participated in algorithm design for target recognition prediction projects and tracking denoising tasks based on video data
State Grid	Predictive R&D Intern	Coding for automated interpolation process of raster data, automated validation of swmm models based on genetic algorithms

AWARDS & HONORS

12/2023	The First Prize Scholarship, Beijing Normal University
12/2021	Silverway Mining Scholarship
7/2021	Second prize of National College Students Water Conservancy Innovation Design Competition
11/2019	Second prize in the 11th National Mathematics Competition for College Students