

Sun Taochun

DEPARTMENT OF EARTH SYSTEM SCIENCE, TSINGHUA UNIVERSITY

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Skills

English: CET-6: 564

Software: skilled in Python / ArcMap / ENVI / ERDAS and Matlab ; familiar with C/C++/R/CUDA .

Math: familiar with advanced mathematics, linear algebra (matrix theory), statistics ; interested in modelling and machine learning (deep learning) applications.

Education

🌐 2020–Present	Graduate Student	Department of Earth System Science	Tsinghua University
🌐 2016–2020	B.E.(GPA: 3.69/5.0)	CGIST	Capital Normal University
🌐 2016-2020	Minor	College English Department	Capital Normal University

Research

1. Xu, Z.; Zhang, Z.; Zhong, R.; Chen, D.; **Sun, T.**; Deng, X.; Li, Z.; Qin, C.-Z. Content-Sensitive Multilevel Point Cluster Construction for ALS Point Cloud Classification. *Remote Sens.* 2019, *11*, 342.
2. Liu, Z., Ciaais, P., Deng, Z. *et al.* Near-real-time monitoring of global CO2 emissions reveals the effects of the COVID-19 pandemic. *Nat Commun* 11, 5172 (2020).
3. Liu, Z., Ciaais, P., Deng, Z. *et al.* Carbon Monitor, a near-real-time daily dataset of global CO2 emission from fossil fuel and cement production. *Sci Data* 7, 392 (2020).
4. Dou X, Deng Z, **Sun T**, *et al.* Global and local carbon footprints of city of Hong Kong and Macao from 2000 to 2015[J]. *Resources, Conservation and Recycling*, 164: 105167.
5. Liu Z, Cui D, Deng Z, *et al.* 新冠疫情对中国 2020 年碳排放的影响[J]. *Chinese Science Bulletin*.

Honors and awards

- ✓ 2020: Outstanding Dissertation for Bachelor's Degree of CGIST
- ✓ 2020: Outstanding members of Tsinghua Summer League School for Graduate Students (36/250+)

Social Work

- ✓ qinghuayandujian (清华研读间) / T+Z Technology Review (探臻科技评论)
- ✓ 地学系新闻网翻译志愿者
- ✓ Datapie(数据派 THU)翻译组 / 慧天地国际部