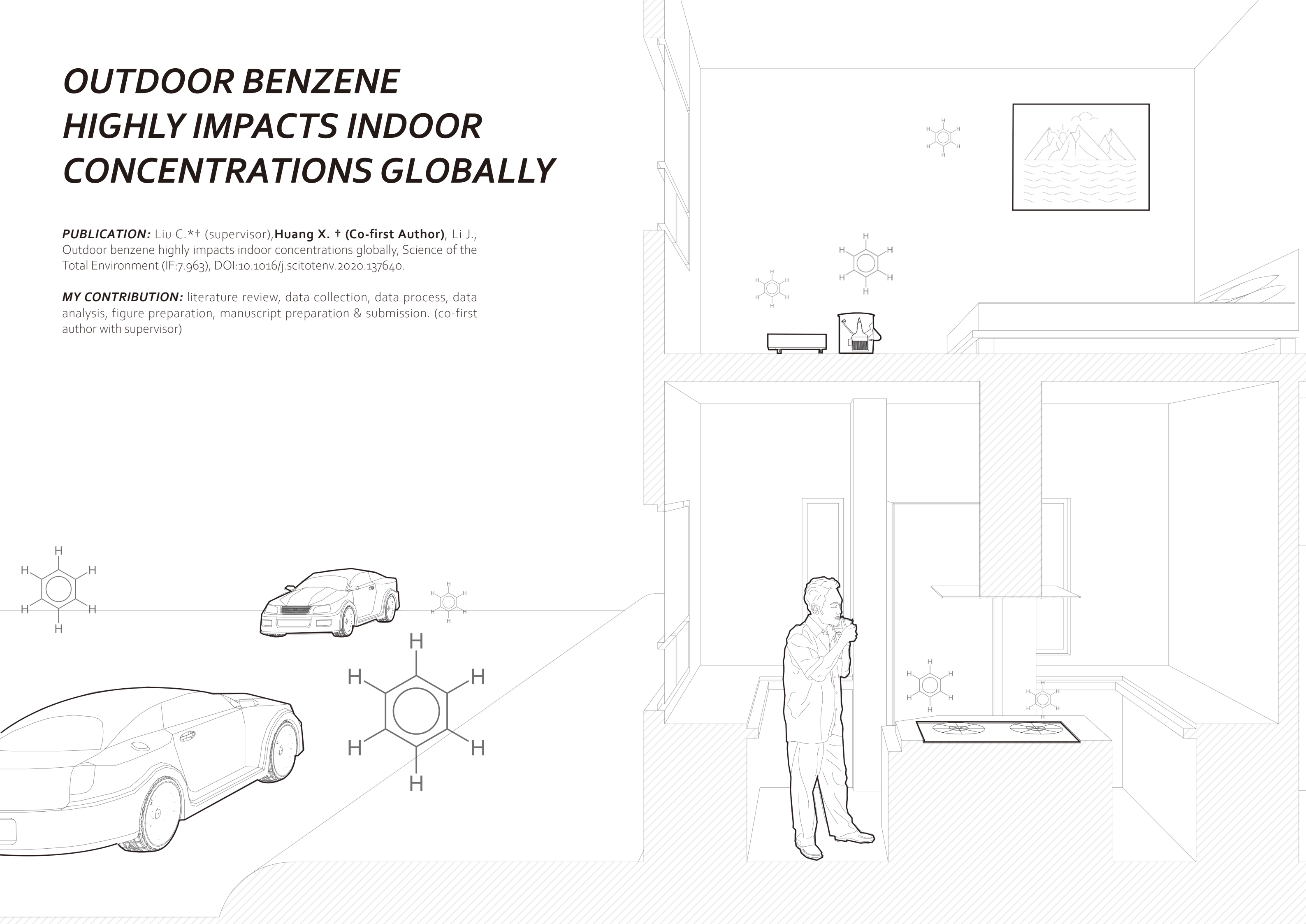


OUTDOOR BENZENE HIGHLY IMPACTS INDOOR CONCENTRATIONS GLOBALLY

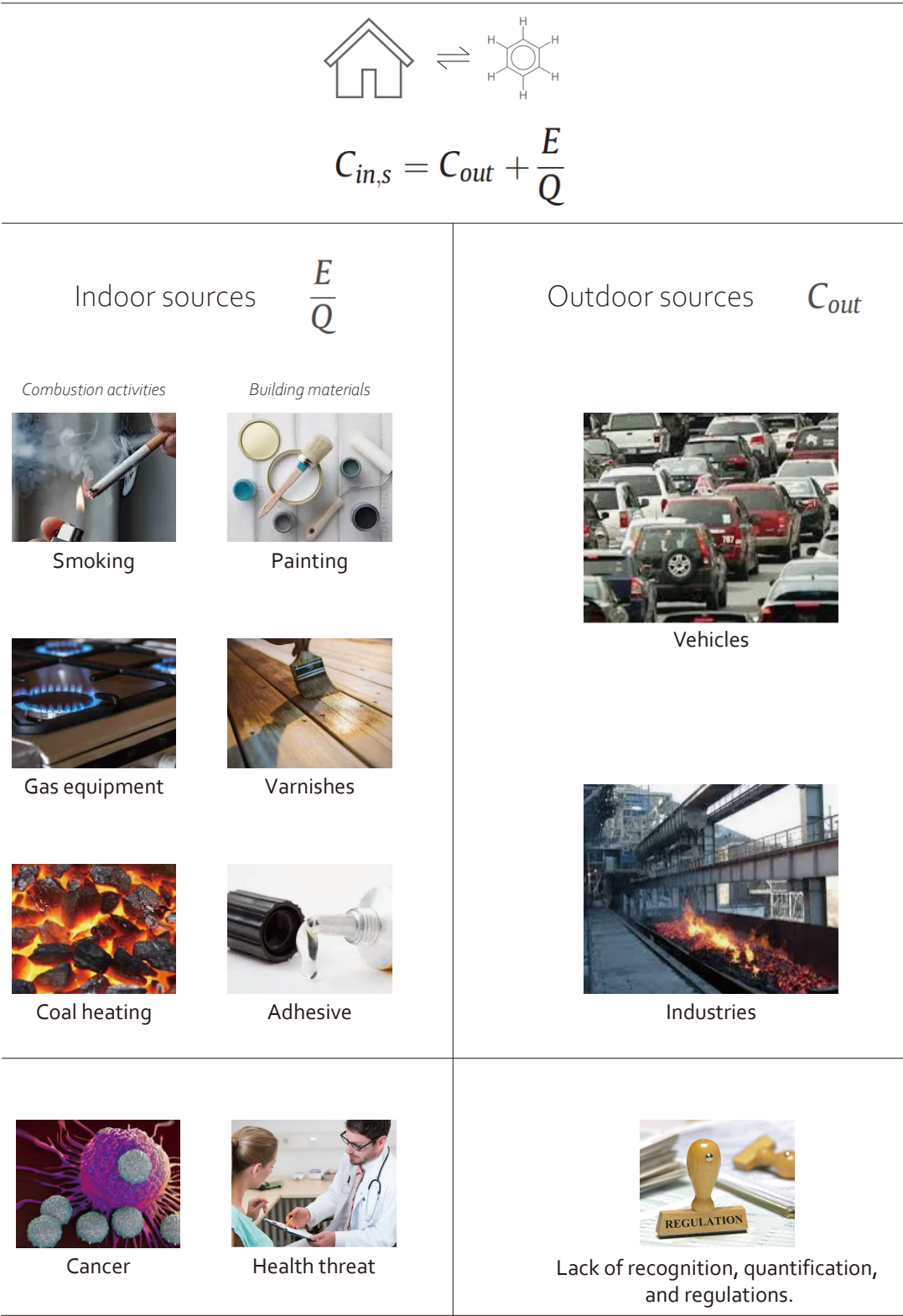
PUBLICATION: Liu C.*† (supervisor), **Huang X. † (Co-first Author)**, Li J.,
Outdoor benzene highly impacts indoor concentrations globally, Science of the
Total Environment (IF:7.963), DOI:10.1016/j.scitotenv.2020.137640.

MY CONTRIBUTION: literature review, data collection, data process, data
analysis, figure preparation, manuscript preparation & submission. (co-first
author with supervisor)



INTRODUCTION

- Benzene is Group 1 carcinogen with severe health threat.
- Benzene mainly arises from indoor and outdoor anthropogenic sources, while the contribution of outdoor sources have not been fully recognized and regulated.



RESEARCH HIGHLIGHTS

- 118 pairs of O-I measurement from 46 studies globally were summarized and analyzed.
- Developing countries/regions showed worse pollution than the developed ones.
- O/I ratio higher than 0.5 suggests a key role of outdoor benzene in indoor exposure.
- Outdoor benzene should be considered in engineering control and policy development.

