Ni Sheng

Professor
Macau University of Science and Technology

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Ph.D.

MEng

BSc

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Awards & Honours

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Journal Papers

1. Hsiao YL, Wei XY, **Sheng N**, Shao CW. A joint test of policy contagion with application to the solar sector. *Renewable & Sustainable Energy Reviews*, 2021, 141:110762. [SSCI/SCI, 2019 IF: 12.11, ranking: 2.4% in Green & Sustainable Science & Technology].
2. Chen C, Yao Z, Wen ZG, **Sheng N**. Impact of city characteristics on its phosphorus metabolism in the bay area: A comparative analysis of cities in the Greater Bay Area of China. *Journal of Cleaner Production*, 2021, 286:124925. [SCI, 2019 IF 7.246, ranking: 7.2% in Environmental Sciences]

Environment, 2016, 554: 73-82. [SCI, 2019 IF 6.551, ranking: 8.3% in Environmental Sciences]

12. **Sheng N**, Tang UW. The first official city ranking by air quality in China - A review and analysis. *Cities*, 2016, 51: 139-149. [SSCI, 2019 IF 4.802, ranking: 4.8% in Urban Studies]

13. Dai BL, **Sheng N***, He YL, Xu JM, Zhu AF. An inland waterway traffic noise prediction model for environmental assessment in China. *International Journal of Environmental Science and Technology*, 2016, 13: 1235-1244. [SCI, 2019 IF 2.54, ranking: 47.2% in Environmental Sciences]

14. Choy KL, **Sheng N***, Lam HY, Lai IKW, Chow KH, Ho GTS. Assess the effects of different operations policies on warehousing reliability. *International Journal of Production Research*, 2014, 52: 662-678. [SCI, 2019 IF 4.577, ranking: 13.2% in Operations Research & Management Science]

15. **Sheng N**, Tang UW. Zhuhai. *Cities*, 2013, 32: 70-79. [SSCI, 2019 IF 4.802, ranking: 4.8% in Urban Studies]

16. **Sheng N**, Tang UW. Risk assessment of traffic-related air pollution in a world heritage city. *International Journal of Environmental Science and Technology*, 2013, 10: 11-18. [SCI, 2019 IF 2.54, ranking: 47.2% in Environmental Sciences]

17. **Sheng N**, Tang UW. A building-based data capture and data mining technique for air quality assessment. *Frontiers of Environmental Science & Engineering*, 2011, 5: 543-551. [SCI, 2019 IF 4.053, ranking: 25.7% in Environmental Sciences]

18. **Sheng N**, Tang UW. Spatial analysis of urban form and pedestrian exposure to traffic noise. *International Journal of Environmental Research and Public Health*, 2011, 8: 1977-1990. [SCI, SSCI, 2019 IF 2.849, ranking: 18.8% in Public, Environmental & Occupational Health]

19. **Sheng N**, Li SF. A multi-scale non-equilibrium molecular dynamics algorithm and its applications. *International Journal of Applied Mechanics*, 2009, 1: 405-420. [SCI]

20. Tang UW, **Sheng N**. Macao. Cities, 2009, 24: 220-231. [SSCI]

21. Li SF, **Sheng N**. On multiscale non-equilibrium molecular dynamics simulations. *International Journal for Numerical Methods in Engineering*, 2010, 83(8-9): 998-1038. [SCI]

22. Wu D, Lo SH, **Sheng N**, Sze KY. Universal three-dimensional connection hexahedral elements based on hybrid-stress theory for solid structures. *International Journal for Numerical Methods in Engineering*, 2010, 81(3): 307-334. [SCI]

23. **Sheng N**, Li SF. A non-equilibrium multiscale simulation of shock wave propagation. *Mechanics Research Communications*, 2008, 35: 10-16. [SCI]

24. Li SF, **Sheng N**, Liu XH. A non-equilibrium multiscale simulation paradigm. *Chemical Physics Letters*, 2008, 451: 293-300. [SCI]

25. Liu XH, Li SF, **Sheng N**. A cohesive finite element for quasi-continua. *Computational Mechanics*, 2007, 42: 543-553. [SCI]

26. **Sheng N**, Sze KY, Cheung YK. Zxkllz &yur zoty&lux&vok ukrki zxoioz &h &Rkqntozyqoy& formalism and boundary-collocation method. *International Journal for Numerical Methods in Engineering*, 2006, 65: 2113-2138. [SCI]

27. **Sheng N**, Sze KY. Multi-region Trefftz boundary element method for fracture analysis in plane piezoelectricity.

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29. Jin WG, **Sheng N**, Sze KY, Li J. Trefftz indirect methods for plane piezoelectricity. *International Journal for Numerical Methods in Engineering*, 2005, 63: 139-158. [SCI]
30. Sze KY, Chen JS, **Sheng N**, Liu XH. Stabilized conforming nodal integration: exactness and variational justification. *Finite Elements in Analysis & Design*, 2004, 41: 147-171. [SCI]
31. Fan SC,