

Stanford



Matthew L. Chastain

Postdoctoral Research Fellow, Archaeology

Bio

PROFESSIONAL EDUCATION

- PhD, Massachusetts Institute of Technology , Archaeological Materials (2019)
- BS, Northwestern University , Materials Science and Engineering (2009)

STANFORD ADVISORS

- Li Liu, Postdoctoral Faculty Sponsor
- Li Liu, Postdoctoral Research Mentor

Teaching

COURSES

2021-22

- Investigating Ancient Materials: ARCHLGY 180, ARCHLGY 280, MATSCI 127, MATSCI 227 (Aut)

Publications

PUBLICATIONS

- **A new FTIR method for estimating the firing temperature of ceramic bronze-casting moulds from early China.** *Scientific reports*
Yan, B., Liu, S., Chastain, M. L., Yang, S., Chen, J.
2021; 11 (1): 3316
- **Cast iron-smelting furnace materials in imperial China: Macro-observation and microscopic study** *JOURNAL OF ARCHAEOLOGICAL SCIENCE*
Liu, H., Qian, W., Chen, J., Chen, H., Chastain, M. L., Notis, M. R.
2017; 86: 50-59
- **Metallurgical analysis of copper artifacts from Cahokia** *JOURNAL OF ARCHAEOLOGICAL SCIENCE*
Chastain, M. L., Deymier-Black, A. C., Kelly, J. E., Brown, J. A., Dunand, D. C.
2011; 38 (7): 1727-1736