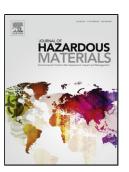
Accepted Manuscript

Title: Sex-related responses of European aspen (*Populus tremula* L.) to combined stress: TiO_2 nanoparticles, elevated temperature and CO_2 concentration



Authors: Yaodan Zhang, Virpi Virjamo, Norul Sobuj, Wenchao Du, Ying Yin, Line Nybakken, Hongyan Guo, Riitta Julkunen-Tiitto

PII: DOI: Reference:	S0304-3894(18)30184-5 https://doi.org/10.1016/j.jhazmat.2018.03.031 HAZMAT 19251
To appear in:	Journal of Hazardous Materials
Received date:	6-9-2017
Revised date:	24-2-2018
Accepted date:	19-3-2018

Please cite this article as: Zhang Y, Virjamo V, Sobuj N, Du W, Yin Y, Nybakken L, Guo H, Julkunen-Tiitto R, Sex-related responses of European aspen (*Populus tremula* L.) to combined stress: TiO₂ nanoparticles, elevated temperature and CO₂ concentration, *Journal of Hazardous Materials* (2010), https://doi.org/10.1016/j.jhazmat.2018.03.031

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Sex-related responses of European aspen (*Populus tremula* L.) to combined stress: TiO₂ nanoparticles, elevated temperature and CO₂ concentration

Yaodan Zhang^{a,b}, Virpi Virjamo^b, Norul Sobuj^b, Wenchao Du^a, Ying Yin^a, Line Nybakken^c, Hongyan Guo^{a,*}, Riitta Julkunen-Tiitto^b

^aState Key Laboratory of Pollution Control and Resource Reuse, School of the Environment, Nanjing University, 210023 Nanjing, China

^bDepartment of Environmental and Biological Sciences, University of Eastern Finland,

80101 Joensuu, Finland

^cFaculty of Environmental Sciences and Natural Resource Management, Norwegian University of Life Sciences, 1432 Ås, Norway

*Correspondence: Hongyan Guo, tel.: +8613813945566, fax: +86-25-89680263.

E-mail: <u>hyguo@nju.edu.cn</u>

Download English Version:

https://daneshyari.com/en/article/6968576

Download Persian Version:

https://daneshyari.com/article/6968576

Daneshyari.com