

Accepted Manuscript

Fermentation and complex enzyme hydrolysis for improving the total soluble phenolic contents, flavonoid aglycones contents and bio-activities of guava leaves tea

Lu Wang, You Luo, Yanan Wu, Yan Liu, Zhenqiang Wu

PII: S0308-8146(18)30826-4

DOI: <https://doi.org/10.1016/j.foodchem.2018.05.035>

Reference: FOCH 22868

To appear in: *Food Chemistry*

Received Date: 7 November 2017

Revised Date: 29 April 2018

Accepted Date: 4 May 2018

Please cite this article as: Wang, L., Luo, Y., Wu, Y., Liu, Y., Wu, Z., Fermentation and complex enzyme hydrolysis for improving the total soluble phenolic contents, flavonoid aglycones contents and bio-activities of guava leaves tea, *Food Chemistry* (2018), doi: <https://doi.org/10.1016/j.foodchem.2018.05.035>

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.



Fermentation and complex enzyme hydrolysis for improving the total soluble phenolic contents, flavonoid aglycones contents and bio-activities of guava leaves tea

Lu Wang¹, You Luo¹, Yanan Wu^{1,2}, Yan Liu¹, Zhenqiang Wu^{1*}

1 School of Biology and Biological Engineering, South China University of Technology, Guangzhou 510006, P. R. China

2 Jiangmen Nanyue Guava Tea Farmer Cooperatives, Jiangmen, Guangdong, 529000, P. R. China

Corresponding author: ***Zhenqiang Wu**, Tel: (+86) 20-39380663; Fax: (+86) 20-39380663; E-mail: btzhqwu@scut.edu.cn

Chemical compounds studied in this article:

Gallic acid (Pubchem CID: 370)

Chlorogenic acid (Pubchem CID: 1794427)

p-hydroxybenzoic acid (Pubchem CID: 315)

Ferulic acid (Pubchem CID: 445858)

Coumaric acid (Pubchem CID: 637542)

Caffeic acid (Pubchem CID: 689043)

Syringic acid (Pubchem CID: 10742)

Rutin (Pubchem CID: 5280805)

Isoquercitrin (Pubchem CID: 5280804)

Quercetin-3-O- β -D-xylopyranoside (Pubchem CID: 5320861)

Quercetin-3-O- α -L-arabinoside (Pubchem CID: 5481224)

Avicularin (Pubchem CID: 5490064)

Quercetin (Pubchem CID: 5280343)

Quercitrin (Pubchem CID: 5280459)

Download English Version:

<https://daneshyari.com/en/article/7584682>

Download Persian Version:

<https://daneshyari.com/article/7584682>

[Daneshyari.com](https://daneshyari.com)