Accepted Manuscript

Title: Microwave-assisted hydrothermal synthesis, temperature quenching and laser-induced heating effect of hexagonal microplate β -NaYF₄: Er³⁺/Yb³⁺ microcrystals under 1550 nm laser irradiation

Authors: Lili Tong, Xiangping Li, Jinsu Zhang, Sai Xu, Jiashi Sun, Hui Zheng, Yanqiu Zhang, Xiangqing Zhang, Ruinian

Hua, Haiping Xia, Baojiu Chen

PII: S0925-4005(17)30250-2

DOI: http://dx.doi.org/doi:10.1016/j.snb.2017.02.030

Reference: SNB 21761

To appear in: Sensors and Actuators B

Received date: 29-11-2016 Revised date: 1-2-2017 Accepted date: 2-2-2017

Please cite this article as: Lili Tong, Xiangping Li, Jinsu Zhang, Sai Xu, Jiashi Sun, Hui Zheng, Yanqiu Zhang, Xiangqing Zhang, Ruinian Hua, Haiping Xia, Baojiu Chen, Microwave-assisted hydrothermal synthesis, temperature quenching and laser-induced heating effect of hexagonal microplate β -NaYF4: Er3+/Yb3+ microcrystals under 1550nm laser irradiation, Sensors and Actuators B: Chemical http://dx.doi.org/10.1016/j.snb.2017.02.030

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.



Microwave-assisted hydrothermal synthesis, temperature quenching and laser-induced heating effect of hexagonal microplate β -NaYF₄: Er³⁺/Yb³⁺ microcrystals under 1550 nm laser irradiation

Lili Tong^a, Xiangping Li^{a, *}, Jinsu Zhang^a, Sai Xu^a, Jiashi Sun^a, Hui Zheng^a, Yanqiu Zhang^a, Xiangqing Zhang^a Ruinian Hua^b, Haiping Xia^c and Baojiu Chen^{a, *}

-

^a Department of Physics, Dalian Maritime University, Dalian, 116026, PR China

^b College of Life Science, Dalian Nationalities University, Dalian 116600, PR China

c Key Laboratory of Photo-electronic Materials, Ningbo University, Ningbo 315211, PR China

^{*} Corresponding authors.

Download English Version:

https://daneshyari.com/en/article/5009772

Download Persian Version:

https://daneshyari.com/article/5009772

<u>Daneshyari.com</u>