

Yu Ding

PERSONAL DETAILS

Nationality: Chinese

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EDUCATIONAL BACKGROUND

- **University of Shanghai for Science and Technology** – Shanghai 09/2017 - 06/2020
 - ✧ *Master of Green Chemistry (degree in engineering).*
 - ✧ *Research orientation: Optical thermal probes based on phosphors.*
 - ✧ GPA: 86.9/100.
- **Jiangsu Ocean University** – Lianyungang, Jiangsu Province 09/2013 - 06/2017
 - ✧ *Bachelor's in Chemical Engineering (degree in engineering).*
 - ✧ *Bachelor's in Business English (degree in literature).*
 - ✧ GPA: 85.1/100.

PUBLICATIONS

1. **Ding Y**, Guo N, Lü X, et al. None-rare-earth activated $\text{Ca}_{14}\text{Al}_{10}\text{Zn}_6\text{O}_{35}:\text{Bi}^{3+},\text{Mn}^{4+}$ phosphor involving dual luminescent centers for temperature sensing. **J Am Ceram Soc.** 2019, 102, 7436–7447. (**IF=3.5**)
2. **Ding Y**, Guo N, Lü X, et al. Luminescence and temperature sensing abilities of zincate phosphors co-doped bismuth Bi^{3+} and lanthanide $\text{Eu}^{3+}/\text{Sm}^{3+}$. **Mater Res Bull.** Doi: 10.1016/j.materresbull.2020.110869. (**IF=4.0**)
3. **Ding Y**, Guo N, Zhu M, et al. Photoluminescence and ratiometric fluorescence temperature sensing abilities of zincate phosphors. **J. Lumin.** Doi: 10.1016/j.jlumin.2020.117600. (**IF=3.3**)
4. **Ding Y**, Kumagai Y, Oba F, and Burton L. Data-Mining Element Charges in Inorganic Materials. **J Phys Chem Lett.** Doi: 10.1021/acs.jpcclett.0c02072. (**IF=6.7**)
5. Li S, Guo N, Liang Q, **Ding Y**, Zhou H, et al. Energy transfer and color tunable emission in Tb^{3+} , Eu^{3+} co-doped $\text{Sr}_3\text{LaNa}(\text{PO}_4)_3\text{F}$ phosphors. **Spectrochim Acta Part A.** 2018, 190, 246-252. (**IF=2.9**)
6. Zhou H, Guo N, Liang Q, **Ding Y**, Pan Y, et al. Novel ratiometric optical thermometry based on dual luminescent centers from europium doped $\text{LiCa}_3\text{MgV}_3\text{O}_{12}$ phosphor. **Ceram. Int.** 2019, 45, 16651-16657. (**IF=3.8**)
7. Zhou H, Guo N, Lü X, **Ding Y**, Wang L, et al. Ratiometric and colorimetric fluorescence temperature sensing properties of trivalent europium or samarium doped self-activated vanadate dual emitting phosphors. **J. Lumin.** Doi: 10.1016/j.jlumin.2019.116758. (**IF=3.3**)

ACCOLADES

- ✓ *Recipient of 'National Motivational Scholarship' - 2014 - The Ministry of Education of the People's Republic of China.*
- ✓ *Endowed with the honorary title 'Outstanding Student Leader' - 2015 - Jiangsu Ocean University.*
- ✓ *Received the honorary title of 'Excellent League Member' - 2016 - Jiangsu Ocean University.*
- ✓ *Recipient of National Motivational Scholarship - 2016 - The Ministry of Education of the People's Republic of China.*
- ✓ *Obtained Second Prize in an Advanced Mathematics Competition - 2016 - Jiangsu Ocean University.*
- ✓ *Achieved Third Prize in an English fluency Competition - 2016 - Jiangsu Ocean University.*
- ✓ *Granted the honorary title of 'Outstanding Graduate' - 2017 - Jiangsu Ocean University.*
- ✓ *Received Academic Scholarship seven times - 2013~2017 - Jiangsu Ocean University.*
- ✓ *Gained Academic Second-Class Scholarship - 2018 - University of Shanghai for Science and Technology.*
- ✓ *Became the candidate for the 'National Scholarship for Graduate Students' - 2019 - The Ministry of Education of the People's Republic of China.*
- ✓ *Bestowed with the annual recognition of 'Outstanding Member of the Communist Party' - 2019 - College of Science, University of Shanghai for Science and Technology.*
- ✓ *Gained Academic Third-Class Scholarship - 2020 - University of Shanghai for Science and Technology.*

ACADEMIC EXPERIENCES

- **Occupation: International Center for Quantum and Molecular, Shanghai University – Research Assistant** – Shanghai, China 06/2020 - Present
Working on the project of the data-driven discovery of materials with computers.
- **Teaching Assistant: University of Shanghai for Science and Technology** – Shanghai, China 05/2019 - 06/2020
*Tutored two undergraduate students with their graduation thesis, and one of them obtained ‘Excellent Graduation Thesis.’
Instructed junior postgraduate students with their experiments and paper writing at Dr. Guo’s group.*
- **Summer Session: Suzhou University of Science and Technology – Attendant** – Suzhou, China 08/2019 - 08/2019
*Summer school for Computational Materials Design organized by the Academic degrees committee of Jiangsu province.
Graduated successfully and received the honor of ‘Outstanding participant.’*
- **Internship: Eastman Chemical – Product Stewardship** – Shanghai, China 02/2018 - 07/2018
*Located material information from the company’s database to assist team members.
Translated and analyzed of IR and GPC spectra.
Registered new chemical materials to the Chinese and Taiwanese government sectors online.*

SKILLS AND CERTIFICATIONS

- Software: Competent in Microsoft software, Origin, Photoshop, Jade, EXPGUL, CIE, and Diamond.
- Programming: Python.
- Professional certificates: National Chemical Process Tester: level 3; SYB (Start Your Business) entrepreneurial certificate.
- Scientific equipment: Proficient in the operation of Fluorescence Spectrophotometer, Infrared Spectrometer, X-Ray Diffraction, and Ultraviolet-Visible Spectrophotometer.
- Analytical skills: XRD, XPS, SEM, GPC, BET, and Spectra (IR, UV-Vis, Raman, FL).
- English level: BEC (business English certificate): medium level; GRE (V: 151, Q: 163, W: 3).

EXTRACURRICULAR ACTIVITIES

- **Class President & Head of college youth volunteer association** – Jiangsu Ocean University 09/2014 - 06/2017
*Organized activities and assisted dealing with class affairs, and obtained the honor of ‘Outstanding class’ at last.
Ran the charity group to help students and assisted the chemical engineering department in organizing critical events.*
- **Volunteer, Shanghai Xinyi Elderly Home** – Shanghai, China 06/2019 - 12/2019
Participated in an international team of students to bond and give massages to local elderly and nurses at the elderly home.

REFERENCES

☆Dr. Ning Guo

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☆Dr. Lee A. Burton

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