

Shilong Su

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Education and Academic Visiting

Education

- ▶ **Beijing Normal University(BNU)** , Sep 2019-Present
Member of Liyun College (Class of Chemistry)
- ▶ **Beijing Normal University(BNU)**, Sep 2019-Present
Minor in Chinese Language and Literature
- ▶ **Beijing Normal University (BNU)**, Sep 2018-Present
Bachelor of Science, Chemistry (expected)

Academic Visiting and Activities

- ▶ **Cardiff Unicersity**, 20th Jul 2019-3rd Aug 2019
Catalysts in Chemistry Summer School, College of Physical Science and Engineering
Best Group Presentation
- ▶ **Oxford Prospects and Global Development Institute**, 3rd Aug 2020-20th Aug 2020
Oxford Prospects Programme 2020 Summer Online Program:"Fundamentals of Human Sciences: Artificial Intelligence, Chemistry, Physics"
Presentation on CRISPR and Fragile X Syndrome in the seminar hosted by Dr. Natalia Gromak

Academic Results

- ▶ **Grade Point Average (GPA)**
 - 92.06/100 current total GPA,
 - 92.19/100 for 2018-2019 academic year,
 - 92.20/100 for 2019-2020 academic year,
- ▶ **Ranking**
 - 4/131 Academic Ranking for 2018-2019 academic year,
 - 2/29 Academic Ranking for 2019-2020 academic year(Liyun Class),
 - 1/131 Comprehensive Ranking for 2018-2019 academic year,
 - 1/29 Comprehensive Ranking for 2019-2020 academic year (Liyun Class),

Research Experience

► **College of Chemistry, BNU**

April 2019-Present

Advisor: Professor Louzhen Fan

- Synthesis of Carbon Quantum Dots with fluorescence-phosphorescence dual emission,
 - Synthesis of fluorescent Carbon Quantum Dots,
 - Novel, Systematic purification of fluorescent Carbon Quantum Dots

Skills

- **Experimental Skills:** Hydrothermal/Solvothermal Synthesis, Basic Organic Synthesis (Lab Course Level), UV-Vis, PL & FL, FT-IR; (Lab Course Level Below): ICP-AES, AAS, GC, HPLC
- **Programming and Software:** Python (including numpy, pandas, scikit-learn), Java, LaTeX, Markdown, ChemOffice
- **Computational Chemistry:** Materials Studio, MOPAC under Chem3D (All beginner level)
- **Languages:** Chinese (Mother Tongue), English (Fluent, Test scores below)

Standardized Tests Results

► **TOEFL iBT**

December 7th 2019

Reading 30 Listening 29 Writing 24 Speaking 25 Total 108

► **GRE General Test**

November 30th 2019

Verbal Reasoning 155 Quantitative Reasoning 169 Analytical Writing 3.0

► **IELTS Academic**

December 15th and 18th 2019

Reading 9 Listening 8 Writing 6 Speaking 6.5 Total 7.5

Scholarships & Awards

Scholarships _____

- National Scholarship (Nationwide Top Undergrad Award, Top 1%),
December 2019 & December 2020
- Jingshi Scholarship—First Class (Top 10%) (Honorary),
December 2019 & December 2020
- Competition Scholarship—First Class,
December 2019 • Competition Scholarship—Second Class,
December 2020

Awards _____

- Second Prize for non-English major, National English Competition for College Students,

April 2019

- Third Prize for A group, non-math major, 11th & 12th The Chinese Mathematics Competition, *October 2019 & October 2020*
- Outstanding Award, Beijing's Competition for College Student on Chemistry Experiment, *December 2019 & December 2020*

Extra Academic Activities

► Undergraduate Teaching Assistant, Organic Chemistry IA (Bilingual) 2020 fall semester

- Lecturer: Prof. Zhong-Lin Lu,

► Founder, BNUChem-ugjc

- Undergraduate Journal Club of College of Chemistry, Beijing Normal University,
Go to: Website:<https://bnuchem-ugjc.github.io>
for Activity reports, paper-reading, other useful information for chemistry study