

# JIA HUI LI

*In lumine Tuo videbimus lumen*

## RESEARCH

### Columbia University Medical Center | The Kavli Institute for Brain Science

Advisor: Prof. Eric Kandel (Nobel Laureate; Member of National Academy of Sciences, USA)

Keyword: *Aplysia Californica* · Cytoplasmic Polyadenylation Element-Binding Protein

Grant: Howard Hughes Medical Institute, National Institute of Health

### Chinese Academy of Sciences | Shanghai Institute of Materia Medica

Advisor: Prof. He Tian (Academician of Chinese Academy of Sciences)

Keyword: Dye-Sensitized Solar Cell · Graphene · Fluorescent Sensor · Cancer Theranostics

Grant: National Natural Science Foundation of China

### Fudan University | State Key Laboratory for Surface Physics

Advisor: Prof. Xiao Yuan Hou; Prof. Xiang Ping Wu (Academician of Chinese Academy of Sciences); Prof. Yi Gong Shi (Foreign Associate of National Academy of Sciences, USA); Prof. Ben Zhong Tang (Academician of Chinese Academy of Sciences)

Advisor: Cryogenic Building Material · Carbon Fiber Cello · Vehicle Emission Catalyst

Grant: China Association for Science and Technology Science Talent Program

## ACADEMIC

### Reviewer

*Materials and Design, Botanical Studies, High Performance Polymers*

### Conference

2018 Annual Meeting | American Association for the Advancement of Science | Austin, TX

COP23 | United Nations Framework Convention on Climate Change | Bonn, Germany

2017 Annual Meeting | American Institute of Chemical Engineers | Minneapolis, MN

The 25<sup>th</sup> Convention | China Association for Science and Technology, USA | New York, NY

U.S.-China University Presidents Forum | Columbia University | New York, NY

World Leaders Forum | Columbia University | New York, NY

International Sustainable Development Conference | Columbia University | New York, NY

The 254<sup>th</sup> National Meeting | American Chemical Society | Washington D.C.

EURAXESS Researchers' Night | Delegation of the European Union | Shanghai, China

European Research Day | Delegation of the European Union | Beijing, China

Dalton Frontiers in Inorganic Chemistry | Royal Society of Chemistry | Shanghai, China

The 30<sup>th</sup> CCS Congress | Chinese Chemical Society | Dalian, China

The 29<sup>th</sup> CCS Congress | Chinese Chemical Society | Beijing, China

### Membership

International Union of Pure and Applied Chemistry | Royal Society of Chemistry | Royal Society of Biology | American Association for the Advancement of Science | American Chemical Society | Biochemical Society | American Physical Society | American Society for Biochemistry and Molecular Biology | Royal Astronomical Society | Royal Society of Arts | American Institute of Chemical Engineers | Institute of Physics & Engineering in Medicine | American Association for Cancer Research | Royal Society for Public Health | Sigma Xi, Scientific Research Honor Society | Royal Microscopical Society | Chinese Chemical Society

## EDUCATION

### Columbia University in the City of New York

Bachelor of Arts | Biochemistry

### No.2 High School of East China Normal University

High School Diploma

Samsung Scholarship



## PROFILE

Name | Jia Hui Li

Gender | Male

Date of Birth | April 24<sup>th</sup>, 1997

Place of Birth | Shanghai

Citizenship | China

## CONTACT

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United States



### Website

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ResearchGate | View

About.me | View

Appointment | View



## EMPLOYMENT

### Shanghai Shuoshi Co., Ltd.

Founder & CEO

### MIT Technology Review

DeepTech

Editor & Reviewer

### University of Oxford

The Rhodes Scholarships

Editor & Reviewer

### Springer Nature

Nature Masterclasses

Business Management Intern

## LECTURE

Welcome Ceremony for Nobel Laureate Prof. Eric Wieschaus's Visit to China

China Association for Science and Technology

Welcome Ceremony for Nobel Laureate Prof. Erwin Neher's Visit to China

China Association for Science and Technology

Young Scientist Work Station  
Shanghai Astronomical Observatory, Chinese Academy of Sciences

China Sustainable Energy Innovation & Entrepreneurship Summit  
Shanghai Jiao Tong University

Shanghai Science Outreach  
International Channel Shanghai, Shanghai Association for Science and Technology

Adolescents Science Week  
Fudan University

2017 Youth Entrepreneurial Exhibition  
Science and Technology Commission of Municipality

Science Talent Summer Chemistry Research Program  
Shanghai Jiao Tong University

TEDxColumbia

Columbia University

## HONOUR

**Gold Medal** | The 22<sup>nd</sup> International Environmental Project Olympiad

**Gold Medal** | The 29<sup>th</sup> Shanghai Adolescents Science and Technology Contest

**Future Science Star** | Science and Technology Commission of Municipality

**Remarkable Achievement** | Science Talent Program

**First Prize** | Shanghai Society of Chemistry and Chemical Industry Contest

**Silver Medal** | The 6<sup>th</sup> National Future Engineer Contest

**Bronze Medal** | Challenge Cup National Student Business Competition

**Bronze Medal** | Hope Cup National Mathematics Invitational Contest

**Finalist** | Genius Olympiad 2014

## PUBLICATION

### High-Performance Porphyrin-Based Dye-Sensitized Solar Cells with Iodine and Cobalt Redox Shuttles

Author | *ChemSusChem* | 2017 (10) 938 | View | Download

### Carbon Fiber Material in Musical Instrument Making

Corresponding Author | *Materials and Design* | 2016 (89) 660 | View | Download

### Preparation and Properties of Novel Building Materials at Low Temperature

Corresponding Author | *Materials and Design* | 2015 (67) 464 | View | Download

### Effects of Copper on Leaf Membrane Structure and Root Activity of Maize Seedling

Corresponding Author | *Botanical Studies* | 2014 (55) 47 | View | Download

### New Insight into the Preparation of Flame-Retardant Thermoplastic Polyether Ester Utilizing $\beta$ -Cyclodextrin as a Charring Agent

Author | *High Performance Polymers* | 2017 (29) 422 | View | Download

### Does Any Convex Quadrilateral Have Circumscribed Ellipses? New Insight into Innate Connection of Conic Sections and Beauty of Geometry

Corresponding Author | *Open Mathematics* | Just Accepted

### Rapid Prototyping All Solid-State Dye-Sensitized Solar Cells *via* Ultraviolet Irradiation

Author | *Nature Energy* | Under Consideration

### New Square Patterns Observed on Ferrofluid Surface in Alternating Magnetic Field

Corresponding Author | *Applied Physics Letters* | Under Consideration

### New Insight into Measuring the Connectivity of Probability Graph

Corresponding Author | *Scientific Reports* | Under Consideration

### Fast Removal of Pollutants from Vehicle Emissions during Cold-Start

Corresponding Author | *Toxicological & Environmental Chemistry* | Under Consideration

### Method for Researching New Building Material under Low-Temperature Environment

Invention Patent | *State Intellectual Property Office of China* | CN 103835189

### Graphene in Bio-Applications, Breakthrough and Perspectives

Invited Author | Book | *Shanghai Scientific & Technical Publishers* | Under Consideration

### Scientific Writing for College Students in China

Chief Editor | Book | *Higher Education Press* | Under Consideration

### Advances in Materials Science Research

Invited Editor | Book | *Nova Science Publishers* | In Preparation