



# Curriculum Vitae — Yu Chen



## PERSONAL INFORMATION

Researcher unique identifier (ORCID): 0000-0002-4481-2137

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## PROFESSIONAL EXPERIENCE

### ● Postdoc. Researcher in Peptide-based supramolecular semiconductors

Tel Aviv University, under supervision of Prof. Ehud Gazit. (<http://gazit-lab.tau.ac.il/home>)

Chosen as “Tel Aviv University Center for Nanoscience and Nanotechnology” postdoctoral scholarship

Contributions: Design, synthesis and characterization of aromatic short peptide-based supramolecular semiconductors; Investigation of chemo-mechanical, optoelectronic and piezoelectric applications of peptides supramolecular semiconductors; Investigation of therapeutic and diagnostic-based on peptide supramolecular assemblies in biomedicine. Fabrication and characterization of optoelectronic devices and biomedicine using peptide-based supramolecular assemblies.

### ● Ph.D. in Photoactive-nanotechnology

Nankai University, under supervision of Prof. Meiting Ju

## RESEARCH PUBLICATION RECORD AND HONORS

### List of Publications

1. Yu Chen, Yuqin Yang, Ehud Gazit\*, et al., **Angew. Chem. Int. Ed.**, 10.1002/anie.202105830.
2. Yu Chen, Asuka A. Orr, Ehud Gazit\*, et al., **ACS Nano**, 2020, 14, 3, 2798–2807.
3. Yu Chen, Kai Tao, Ehud Gazit\*, et al., **Protein & Peptide Letters**, 2020, 27, 1-10
4. Kai Tao, Yu Chen, Ehud Gazit\*, (co-first author) et al., **Adv. Funct. Mater.** 2020, 1909614.
5. Yu Chen, Weizun Li, Meiting Ju\*, et al., **Applied Catalysis B: Environmental**, 210, 2017: 352-367.
6. Yu Chen, Weizun Li, Meiting Ju\*, et al., **Applied Catalysis B: Environmental**, 191, 2016: 94-105.
7. Yu Chen, Weizun Li, Meiting Ju\*, et al., **RSC Advances**, 2016, 6, 70352.
8. Yu Chen, Weizun Li, Meiting Ju\*, et al., **Materials Letters**, 2015, 159: 131-134.
9. Yu Chen, Weizun Li, Meiting Ju\*, et al., **Journal of Materials Engineering**, 2016, 3:103-113.

### Patent:

1. Apply for a patent: Piezoelectric peptide-based materials and piezoelectric devices (International application number: PCT/ IL2020/050357)
2. Apply for a patent: Quantum confined peptide assemblies and uses thereof (International application number: PCT/IL2020/050265)
3. Apply for a patent: A method for preparing aromatic aldehydes by oxidizing aromatic alcohols using sunlight.
4. Authorized patent: Method for preparing Ge-Sb-Se amorphous thin film for all optical device, (ZL 201210065051)

### Research projects:

1. Chosen as “**Tel Aviv University Center for Nanoscience and Nanotechnology**” postdoctoral scholarship
2. Chosen as “**Huawei Technologies R&D project**” Sponsorship
3. Participated in “**European Research Council under the European Union Horizon 2020 research and innovation program**” (No. 694426)
4. Hosted and completed the **Nankai University Doctor Research Fund for Innovation Research project** "Study on key technologies and mechanisms of degradation of garden waste and aromatic aldehyde synthesis"(63163004);
5. Hosted and completed the **Zhejiang Province Students Science and Technology Innovation Program** "Research on Design, Preparation and Performance of chalcogenide Film Waveguide Device" (2001R405055);
6. Hosted the **foundation for fostering excellent dissertations of graduate students of Ningbo University** “Investigation of Ge-Sb-Se Chalcogenide Glass Films for Nonlinear Optical Devices”. (PY20110017);