

# Sophia Chao-Wei Huang

## List of Publications by Year in descending order

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11  
papers

742  
citations

1478505

6  
h-index

1281871

11  
g-index

11  
all docs

11  
docs citations

11  
times ranked

1369  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Synergistic and Regulatable Bioremediation Capsules Fabrication Based on Vapor-Phased Encapsulation of Bacillus Bacteria and its Regulator by Poly-p-Xylylene. <i>Polymers</i> , 2021, 13, 41.   | 4.5 | 3         |
| 2  | Parylene-Based Porous Scaffold with Functionalized Encapsulation of Platelet-Rich Plasma and Living Stem Cells for Tissue Engineering Applications. <i>ACS Applied Bio Materials</i> , 2020, 3, 7193-7201.                                     | 4.6 | 7         |
| 3  | Nanostructure- and Orientation-Controlled Resistive Memory Behaviors of Carbohydrate- <i>block</i> -Polystyrene with Different Molecular Weights via Solvent Annealing. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 23217-23224. | 8.0 | 16        |
| 4  | A Robust, Air-Stable and Recyclable Hydrogel Toward Stretchable Electronic Device Applications. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1800282.  | 3.6 | 6         |
| 5  | A Redox-Based Resistive Switching Memory Device Consisting of Organic-Inorganic Hybrid Perovskite/Polymer Composite Thin Film. <i>Advanced Electronic Materials</i> , 2017, 3, 1700344.  | 5.1 | 67        |
| 6  | A facile novel fluorocarbon copolymer solution coating process for improving platelet compatibility of titanium. <i>Materials Science and Engineering C</i> , 2017, 80, 584-593.   | 7.3 | 3         |
| 7  | Multi-state memristive behavior in a light-emitting electrochemical cell. <i>Journal of Materials Chemistry C</i> , 2017, 5, 11421-11428.  | 5.5 | 6         |
| 8  | Visible-light-active photocatalytic thin film by RF sputtering for hydrogen generation. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2013, 8, 283-291.  | 1.5 | 2         |
| 9  | Hydrogen Production from Semiconductor-based Photocatalysis via Water Splitting. <i>Catalysts</i> , 2012, 2, 490-516.  | 3.5 | 391       |
| 10 | Theoretical Investigation of the Metal-Doped SrTiO <sub>3</sub> Photocatalysts for Water Splitting. <i>Journal of Physical Chemistry C</i> , 2012, 116, 7897-7903.   | 3.1 | 134       |
| 11 | In situ DRIFTS study of photocatalytic CO <sub>2</sub> reduction under UV irradiation. <i>Frontiers of Chemical Engineering in China</i> , 2010, 4, 120-126.   | 0.6 | 107       |