

# Fang Jiao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/41937/publications.pdf>

Version: 2024-02-01

16  
papers

643  
citations

758635

12  
h-index

940134

16  
g-index

18  
all docs

18  
docs citations

18  
times ranked

901  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Highly stable and self-repairing membrane-mimetic 2D nanomaterials assembled from lipid-like peptoids. <i>Nature Communications</i> , 2016, 7, 12252.  | 5.8  | 124       |
| 2  | Tuning crystallization pathways through sequence engineering of biomimetic polymers. <i>Nature Materials</i> , 2017, 16, 767-774.  | 13.3 | 116       |
| 3  | Design of biologically active binary protein 2D materials. <i>Nature</i> , 2021, 589, 468-473.   | 13.7 | 85        |
| 4  | Structure and mechanism of bactericidal mammalian perforin-2, an ancient agent of innate immunity. <i>Science Advances</i> , 2020, 6, eaax8286.  | 4.7  | 66        |
| 5  | Self-Repair and Patterning of 2D Membrane-Like Peptoid Materials. <i>Advanced Functional Materials</i> , 2016, 26, 8960-8967.  | 7.8  | 50        |
| 6  | The hierarchical assembly of septins revealed by high-speed AFM. <i>Nature Communications</i> , 2020, 11, 5062.  | 5.8  | 35        |
| 7  | Hierarchical Assembly of Peptoid-Based Cylindrical Micelles Exhibiting Efficient Resonance Energy Transfer in Aqueous Solution. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12223-12230.                | 7.2  | 34        |
| 8  | Scanning Electrochemical Microscopy of DNA Hybridization on DNA Microarrays Enhanced by HRP-Modified SiO <sub>2</sub> Nanoparticles. <i>Analytical Chemistry</i> , 2013, 85, 6511-6517.                                  | 3.2  | 27        |
| 9  | Nanoreporter of an Enzymatic Suicide Inactivation Pathway. <i>Nano Letters</i> , 2020, 20, 7819-7827.  | 4.5  | 25        |
| 10 | Qualitative and quantitative detection of DNA amplified with HRP-modified SiO <sub>2</sub> nanoparticles using scanning electrochemical microscopy. <i>Biosensors and Bioelectronics</i> , 2013, 47, 373-378.            | 5.3  | 20        |
| 11 | Label-free electrochemical multi-sites recognition of G-rich DNA using multi-walled carbon nanotubes-supported molecularly imprinted polymer with guanine sites of DNA. <i>Electrochimica Acta</i> , 2016, 199, 133-141. | 2.6  | 18        |
| 12 | Directly investigating the interaction between aptamers and thrombin by atomic force microscopy. <i>Journal of Molecular Recognition</i> , 2013, 26, 672-678.  | 1.1  | 16        |
| 13 | High-speed atomic force microscopy to study pore-forming proteins. <i>Methods in Enzymology</i> , 2021, 649, 189-217.  | 0.4  | 13        |
| 14 | Quantitative description of a contractile macromolecular machine. <i>Science Advances</i> , 2021, 7, .   | 4.7  | 9         |
| 15 | Self-Repair: Self-Repair and Patterning of 2D Membrane-Like Peptoid Materials ( <i>Adv. Funct. Mater.</i> ) Tj ETQq1 1 0.784314 rgBT <sub>1</sub> /Overlock  | 7.8  | 1         |
| 16 | Hierarchical Assembly of Peptoid-Based Cylindrical Micelles Exhibiting Efficient Resonance Energy Transfer in Aqueous Solution. <i>Angewandte Chemie</i> , 2019, 131, 12351-12358.                                       | 1.6  | 1         |