

# Xing Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2980706/publications.pdf>

Version: 2024-02-01

20  
papers

847  
citations

567281

15  
h-index

752698

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1439  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface Plasmon Enabling Nitrogen Fixation in Pure Water through a Dissociative Mechanism under Mild Conditions. <i>Journal of the American Chemical Society</i> , 2019, 141, 7807-7814.	13.7	235
2	Conformational Contrast of Surface-Mediated Molecular Switches Yields Å...ngstrom-Scale Spatial Resolution in Ultrahigh Vacuum Tip-Enhanced Raman Spectroscopy. <i>Nano Letters</i> , 2016, 16, 7774-7778.	9.1	96
3	Atomistic electrostatics simulations of bare and ligand-coated nanoparticles in the quantum size regime. <i>Nature Communications</i> , 2015, 6, 8921.	12.8	69
4	Tip-Enhanced Raman Spectromicroscopy of Co(II)-Tetraphenylporphyrin on Au(111): Toward the Chemistsâ€™™ Microscope. <i>ACS Nano</i> , 2017, 11, 11466-11474.	14.6	63
5	High-resolution tip-enhanced Raman scattering probes sub-molecular density changes. <i>Nature Communications</i> , 2019, 10, 2567.	12.8	51
6	Theory of Linear and Nonlinear Surface-Enhanced Vibrational Spectroscopies. <i>Annual Review of Physical Chemistry</i> , 2016, 67, 541-564.	10.8	44
7	Microscopy with a single-molecule scanning electrometer. <i>Science Advances</i> , 2018, 4, eaat5472.	10.3	40
8	Morphology dependent near-field response in atomistic plasmonic nanocavities. <i>Nanoscale</i> , 2018, 10, 11410-11417.	5.6	34
9	Resolving Molecular Structures with High-Resolution Tip-Enhanced Raman Scattering Images. <i>ACS Nano</i> , 2019, 13, 9342-9351.	14.6	29
10	Quantum Mechanical Calculations of Vibrational Sum-Frequency-Generation (SFG) Spectra of Cellulose: Dependence of the CH and OH Peak Intensity on the Polarity of Cellulose Chains within the SFG Coherence Domain. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 55-60.	4.6	28
11	Shaping the Atomicâ€™Scale Geometries of Electrodes to Control Optical and Electrical Performance of Molecular Devices. <i>Small</i> , 2018, 14, e1703815.	10.0	28
12	Molecular Orbital Gating Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , 2018, 12, 11229-11235.	14.6	27
13	Simulating Ensemble-Averaged Surface-Enhanced Raman Scattering. <i>Journal of Physical Chemistry C</i> , 2016, 120, 20833-20842.	3.1	26
14	Isotope Effects in Water: Differences of Structure, Dynamics, Spectrum, and Proton Transport between Heavy and Light Water from ReaxFF Reactive Force Field Simulations. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 5445-5452.	4.6	22
15	Experimental and Theoretical Study of Azimuth Angle and Polarization Dependences of Sum-Frequency-Generation Vibrational Spectral Features of Uniaxially Aligned Cellulose Crystals. <i>Journal of Physical Chemistry C</i> , 2017, 121, 18876-18886.	3.1	21
16	Anisotropic Optical and Frictional Properties of Langmuirâ€™Blodgett Film Consisting of Uniaxiallyâ€™Aligned Rodâ€™Shaped Cellulose Nanocrystals. <i>Advanced Materials Interfaces</i> , 2020, 7, 1902169.	3.7	12
17	A discrete interaction model/quantum mechanical method for simulating surface-enhanced Raman spectroscopy in solution. <i>Journal of Chemical Physics</i> , 2021, 154, 224705.	3.0	8
18	Shear-induced unidirectional deposition of bacterial cellulose microfibrils using rising bubble stream cultivation. <i>Carbohydrate Polymers</i> , 2021, 255, 117328.	10.2	7

#	ARTICLE	IF	CITATIONS
19	Strategy for tuning the up-conversion intersystem crossing rates in a series of organic light-emitting diodes emitters relevant for thermally activated delayed fluorescence. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 221, 117214.	3.9	4
20	Molecular Devices: Shaping the Atomic-Scale Geometries of Electrodes to Control Optical and Electrical Performance of Molecular Devices ( <i>Small</i> 15/2018). <i>Small</i> , 2018, 14, 1870066.	10.0	3