Xing Chen

List of Publications by Year
in descending order

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

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20	847	567281 15	752698 20
papers	citations	h-index	g-index

20	20	20	1439
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Shear-induced unidirectional deposition of bacterial cellulose microfibrils using rising bubble stream cultivation. Carbohydrate Polymers, 2021, 255, 117328.	10.2	7
2	A discrete interaction model/quantum mechanical method for simulating surface-enhanced Raman spectroscopy in solution. Journal of Chemical Physics, 2021, 154, 224705.	3.0	8
3	Anisotropic Optical and Frictional Properties of Langmuirâ€“Blodgett Film Consisting of Uniaxiallyâ€Aligned Rodâ€Shaped Cellulose Nanocrystals. Advanced Materials Interfaces, 2020, 7, 1902169.	3.7	12
4	Resolving Molecular Structures with High-Resolution Tip-Enhanced Raman Scattering Images. ACS Nano, 2019, 13, 9342-9351.	14.6	29
5	Strategy for tuning the up-conversion intersystem crossing rates in a series of organic light-emitting diodes emitters relevant for thermally activated delayed fluorescence. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 221, 117214.	3.9	4
6	High-resolution tip-enhanced Raman scattering probes sub-molecular density changes. Nature Communications, 2019, 10, 2567.	12.8	51
7	Surface Plasmon Enabling Nitrogen Fixation in Pure Water through a Dissociative Mechanism under Mild Conditions. Journal of the American Chemical Society, 2019, 141, 7807-7814.	13.7	235
8	Shaping the Atomicâ€Scale Geometries of Electrodes to Control Optical and Electrical Performance of Molecular Devices. Small, 2018, 14, e1703815.	10.0	28
9	Molecular Orbital Gating Surface-Enhanced Raman Scattering. ACS Nano, 2018, 12, 11229-11235.	14.6	27
10	Isotope Effects in Water: Differences of Structure, Dynamics, Spectrum, and Proton Transport between Heavy and Light Water from ReaxFF Reactive Force Field Simulations. Journal of Physical Chemistry Letters, 2018, 9, 5445-5452.	4.6	22
11	Morphology dependent near-field response in atomistic plasmonic nanocavities. Nanoscale, 2018, 10, 11410-11417.	5.6	34
12	Molecular Devices: Shaping the Atomicâ€Scale Geometries of Electrodes to Control Optical and Electrical Performance of Molecular Devices (Small 15/2018). Small, 2018, 14, 1870066.	10.0	3
13	Microscopy with a single-molecule scanning electrometer. Science Advances, 2018, 4, eaat5472.	10.3	40
14	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. Journal of Physical Chemistry Letters, 2017, 8, 55-60.	4.6	28
15	Tip-Enhanced Raman Spectromicroscopy of Co(II)-Tetraphenylporphyrin on Au(111): Toward the Chemistsâ€™ Microscope. ACS Nano, 2017, 11, 11466-11474.	14.6	63
16	Experimental and Theoretical Study of Azimuth Angle and Polarization Dependences of Sum-Frequency-Generation Vibrational Spectral Features of Uniaxially Aligned Cellulose Crystals. Journal of Physical Chemistry C, 2017, 121, 18876-18886.	3.1	21
17	Theory of Linear and Nonlinear Surface-Enhanced Vibrational Spectroscopies. Annual Review of Physical Chemistry, 2016, 67, 541-564.	10.8	44
18	Simulating Ensemble-Averaged Surface-Enhanced Raman Scattering. Journal of Physical Chemistry C, 2016, 120, 20833-20842.	3.1	26

#	Article	IF	Citations
19	Conformational Contrast of Surface-Mediated Molecular Switches Yields Ã...ngstrom-Scale Spatial Resolution in Ultrahigh Vacuum Tip-Enhanced Raman Spectroscopy. Nano Letters, 2016, 16, 7774-7778.	9.1	96
20	Atomistic electrodynamics simulations of bare and ligand-coated nanoparticles in the quantum size regime. Nature Communications, 2015, 6, 8921.	12.8	69