

# Chi Chen

## List of Publications by Year in descending order

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26  
papers

986  
citations

840776

11  
h-index

642732

23  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1681  
citing authors

#	ARTICLE	IF	CITATIONS
1	A 1.7%nm resolution chemical analysis of carbon nanotubes by tip-enhanced Raman imaging in the ambient. <i>Nature Communications</i> , 2014, 5, 3312.	12.8	238
2	Large enhancement in neurite outgrowth on a cell membrane-mimicking conducting polymer. <i>Nature Communications</i> , 2014, 5, 4523.	12.8	136
3	Viewing the Interior of a Single Molecule: Vibronically Resolved Photon Imaging at Submolecular Resolution. <i>Physical Review Letters</i> , 2010, 105, 217402.	7.8	130
4	Electrofluidics fabricated by space-selective metallization in glass microfluidic structures using femtosecond laser direct writing. <i>Lab on A Chip</i> , 2013, 13, 4608.	6.0	103
5	Visualization of Fermi's Golden Rule Through Imaging of Light Emission from Atomic Silver Chains. <i>Science</i> , 2009, 325, 981-985.	12.6	75
6	Molecular or Nanoscale Structures? The Deciding Factor of Surface Properties on Functionalized Poly(3,4-ethylenedioxythiophene) Nanorod Arrays. <i>Advanced Functional Materials</i> , 2013, 23, 3212-3219.	14.9	67
7	Near-Field Plasmonic Probe with Super Resolution and High Throughput and Signal-to-Noise Ratio. <i>Nano Letters</i> , 2018, 18, 881-885.	9.1	48
8	Toward epitaxially grown two-dimensional crystal hetero-structures: Single and double MoS <sub>2</sub> /graphene hetero-structures by chemical vapor depositions. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	41
9	A cell-free self-replenishing CO <sub>2</sub> -fixing system. <i>Nature Catalysis</i> , 2022, 5, 154-162.	34.4	40
10	Corannulene-based donor-acceptor-type conjugated polymers with electrochromic properties. <i>Journal of Materials Chemistry C</i> , 2021, 9, 7919-7927.	5.5	19
11	Large-Area and Strain-Reduced Two-Dimensional Molybdenum Disulfide Monolayer Emitters on a Three-Dimensional Substrate. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 26243-26249.	8.0	14
12	Modulating chemical composition and work function of suspended reduced graphene oxide membranes through electrochemical reduction. <i>Carbon</i> , 2021, 185, 410-418.	10.3	13
13	Development of tip-enhanced Raman spectroscopy based on a scanning tunneling microscope in a controlled ambient environment. <i>Japanese Journal of Applied Physics</i> , 2019, 58, S10801.	1.5	10
14	The atomic layer etching of molybdenum disulfides using low-power oxygen plasma. <i>Semiconductor Science and Technology</i> , 2019, 34, 045007.	2.0	9
15	Camphor-Based CVD Bilayer Graphene/Si Heterostructures for Self-Powered and Broadband Photodetection. <i>Micromachines</i> , 2020, 11, 812.	2.9	8
16	Van der Waals Epitaxy of Large-Area and Single-Crystalline Gold Films on MoS <sub>2</sub> for Low-Contact-Resistance 2D-3D Interfaces. <i>ACS Applied Nano Materials</i> , 2020, 3, 2997-3003.	5.0	8
17	Nanostructured InGaN Quantum Wells as a Surface-Enhanced Raman Scattering Substrate with Expanded Hot Spots. <i>ACS Applied Nano Materials</i> , 2021, 4, 2614-2620.	5.0	8
18	Structural and Optical Identification of Planar Side-Chain Stacking P3HT Nanowires. <i>Macromolecules</i> , 2021, 54, 10750-10757.	4.8	7

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19	A horizontal-type scanning near-field optical microscope with torsional mode operation toward high-resolution and non-destructive imaging of soft materials. <i>Review of Scientific Instruments</i> , 2020, 91, 073703.	1.3	4
20	Real-time Spectral Evolution of Interchain Coupling and Assembling during Solvent Vapor Annealing of Dispersed Conjugated Polymers. <i>Macromolecular Chemistry and Physics</i> , 2021, 222, 2100135.	2.2	3
21	Efficient DNA-Driven Nanocavities for Approaching Quasi-Deterministic Strong Coupling to a Few Fluorophores. <i>ACS Nano</i> , 2021, 15, 13085-13093.	14.6	2
22	Near-field spectroscopic imaging of exciton quenching at atomically sharp MoS <sub>2</sub> /WS <sub>2</sub> lateral heterojunctions. <i>Nanoscale</i> , 2022, , .	5.6	1
23	Visualization of Band Shifting and Interlayer Coupling in W <sub>x</sub> Mo <sub>1-x</sub> S <sub>2</sub> Alloys Using Near-Field Broadband Absorption Microscopy. <i>ACS Nano</i> , 2022, , .	14.6	1
24	Optimized Phase-Retrieval Technique for Coherent Diffractive Microscopy: Guided Ptychography Iterative Engine. <i>IEEE Photonics Journal</i> , 2022, 14, 1-4.	2.0	1
25	Two cases of progressive light-matter interaction by plasmonics: a super plasmonic probe and an optimized nanoantenna. , 2018, , .		0
26	Efficient pattern modeling of plasmonic nanostructures probed by nanoscale near-field scanning microscope tips with different polarized outputs. , 2018, , .		0