

# Gugang Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

1,886  
citations

623734

14  
h-index

752698

20  
g-index

21  
all docs

21  
docs citations

21  
times ranked

3307  
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of Rapid Exciton-Exciton Annihilation in Monolayer Molybdenum Disulfide. Nano Letters, 2014, 14, 5625-5629.	9.1	457
2	Preferential Growth of Single-Walled Carbon Nanotubes with Metallic Conductivity. Science, 2009, 326, 116-120.	12.6	397
3	Purification of Single-Wall Carbon Nanotubes by Selective Microwave Heating of Catalyst Particles. Journal of Physical Chemistry B, 2002, 106, 8671-8675.	2.6	201
4	Dynamics of the triplet-pair state reveals the likely coexistence of coherent and incoherent singlet fission in crystalline hexacene. Nature Chemistry, 2017, 9, 341-346.	13.6	155
5	CVD Synthesis of Single Wall Carbon Nanotubes under "Soft" Conditions. Nano Letters, 2002, 2, 525-530.	9.1	148
6	Chemically Doped Double-Walled Carbon Nanotubes: Cylindrical Molecular Capacitors. Physical Review Letters, 2003, 90, 257403.	7.8	112
7	Polarized Absorption in Crystalline Pentacene: Theory vs Experiment. Journal of Physical Chemistry C, 2015, 119, 22137-22147.	3.1	98
8	Graphene as an atomically thin interface for growth of vertically aligned carbon nanotubes. Scientific Reports, 2013, 3, 1891.	3.3	54
9	Anomalous contraction of the C-C bond length in semiconducting carbon nanotubes observed during Cs doping. Physical Review B, 2005, 71, .	3.2	48
10	Alkali-metal-doping dynamics and anomalous lattice contraction of individual debundled carbon nanotubes. Physical Review B, 2005, 72, .	3.2	43
11	Charge Transfer of Interfacial Catalysts for Hydrogen Energy. , 2022, 4, 967-977.		35
12	Surfactant-Mediated Growth and Patterning of Atomically Thin Transition Metal Dichalcogenides. ACS Nano, 2020, 14, 6570-6581.	14.6	30
13	Intrinsic Chirality Origination in Carbon Nanotubes. ACS Nano, 2017, 11, 9941-9949.	14.6	23
14	Vibronic fingerprint of singlet fission in hexacene. Journal of Chemical Physics, 2019, 151, .	3.0	17
15	Anisotropic Singlet Fission in Single Crystalline Hexacene. Science, 2019, 19, 1079-1089.	4.1	16
16	Herzberg-Teller Effect on the Vibrationally Resolved Absorption Spectra of Single-Crystalline Pentacene at Finite Temperatures. Journal of Physical Chemistry A, 2020, 124, 9156-9165.	2.5	14
17	Anisotropic Geminate and Non-Geminate Recombination of Triplet Excitons in Singlet Fission of Single Crystalline Hexacene. Journal of Physical Chemistry Letters, 2020, 11, 1261-1267.	4.6	11
18	Singlet Fission Driven by Anisotropic Vibronic Coupling in Single-Crystalline Pentacene. Journal of Physical Chemistry Letters, 2021, 12, 3142-3150.	4.6	9

#	ARTICLE	IF	CITATIONS
19	Interface Catalysts of Ni/Co <sub>2</sub> N for Hydrogen Electrochemistry. ACS Applied Materials & Interfaces, 2020, 12, 29357-29364.	8.0	8
20	Symmetry-Breaking Enhanced Herzberg-Teller Effect with Brominated Polyacenes. Journal of Physical Chemistry A, 2021, 125, 3589-3599.	2.5	5
21	Temperature-Dependent Recombination of Triplet Biexcitons in Singlet Fission of Hexacene. Journal of Physical Chemistry C, 2022, 126, 8377-8383.	3.1	5