

# Yanmei Yang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

48  
papers

1,254  
citations

14  
h-index

35  
g-index

54  
ext. papers

1,613  
ext. citations

6.2  
avg, IF

4.86  
L-index

#	Paper	IF	Citations
48	pH-switchable nanozyme cascade catalysis: a strategy for spatial-temporal modulation of pathological wound microenvironment to rescue stalled healing in diabetic ulcer.. <i>Journal of Nanobiotechnology</i> , <b>2022</b> , 20, 12	9.4	6
47	Exploring the biotoxicity of carbon boride nanosheets (BC3) based on the villin headpiece protein model. <i>Journal Physics D: Applied Physics</i> , <b>2022</b> , 55, 175403	3	1
46	Efficient anisotropic desalination by layer-stacked black phosphorus carbide (BPC) membrane. <i>Desalination</i> , <b>2022</b> , 522, 115422	10.3	0
45	Sub-nanometer-sized carbon nanoparticle shows higher biocompatibility to DNA than nanometer-sized nanoparticles. <i>Journal Physics D: Applied Physics</i> , <b>2022</b> , 55, 295401	3	
44	Identification of of a PAX2 mutation from maternal mosaicism causes recurrent renal disorder in siblings.. <i>Clinica Chimica Acta</i> , <b>2021</b> , 525, 23-28	6.2	
43	Defect-Induced Double-Stranded DNA Unwinding on Graphene. <i>Journal of Physical Chemistry B</i> , <b>2021</b> , 125, 2833-2840	3.4	4
42	Efficient isotropic water desalination in anisotropic lamellar nano-channels formed by layered black phosphorus membrane. <i>Desalination</i> , <b>2021</b> , 504, 114962	10.3	6
41	Hypermutated tumours across 11 cancer types show three distinct immune subtypes. <i>European Journal of Cancer</i> , <b>2021</b> , 148, 230-238	7.5	1
40	Heterogeneity of MSI-H gastric cancer identifies a subtype with worse survival. <i>Journal of Medical Genetics</i> , <b>2021</b> , 58, 12-19	5.8	6
39	Fluorescence switch of gold nanoclusters stabilized with bovine serum albumin for efficient and sensitive detection of cysteine and copper ion in mice with Alzheimer's disease. <i>Talanta</i> , <b>2021</b> , 223, 121745	6.2	18
38	Photo-assisted high performance single atom electrocatalysis of the N2 reduction reaction by a Mo-embedded covalent organic framework. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 19949-19957	13	6
37	Key residues of the receptor binding domain in the spike protein of SARS-CoV-2 mediating the interactions with ACE2: a molecular dynamics study. <i>Nanoscale</i> , <b>2021</b> , 13, 9364-9370	7.7	9
36	Interface-enhanced CO2 capture via the synthetic effects of a nanomaterial-supported ionic liquid thin film. <i>Nanoscale Advances</i> , <b>2021</b> , 3, 1397-1403	5.1	7
35	h-FBN assisted negative ion paper spray for the sensitive detection of small molecules. <i>Chemical Communications</i> , <b>2021</b> , 57, 6612-6615	5.8	2
34	Anisotropic protein diffusion on nanosurface. <i>Nanoscale</i> , <b>2020</b> , 12, 5209-5216	7.7	10
33	Orientational DNA binding and directed transport on nanomaterial heterojunctions. <i>Nanoscale</i> , <b>2020</b> , 12, 5217-5226	7.7	16
32	High-efficiency helium separation through an inorganic graphenylene membrane: a theoretical study. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 9789-9795	3.6	14

31	Understanding CO capture kinetics and energetics by ionic liquids with molecular dynamics simulation.. <i>RSC Advances</i> , <b>2020</b> , 10, 13968-13974	3.7	6
30	Tuning the Water Desalination Performance of Graphenic Layered Nanomaterials by Element Doping and Inter-Layer Spacing*. <i>Chinese Physics Letters</i> , <b>2020</b> , 37, 116101	1.8	
29	Probing the Microstructure in Pure Al & Cu Melts: Theory Meets Experiment. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 607	5	7
28	Mild lipid extraction and anisotropic cell membrane penetration of Ephase phosphorene carbide nanoribbons by molecular dynamics simulation studies. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 23268-23275	3.6	6
27	Tuning the binding behaviors of a protein YAP65WW domain on graphenic nano-sheets with boron or nitrogen atom doping. <i>Nanoscale Advances</i> , <b>2020</b> , 2, 4539-4546	5.1	4
26	A High-Throughput Screening Method for Determining the Optimized Synthesis Conditions of Quinoxaline Derivatives Using Microdroplet Reaction. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 789	5	1
25	Hypoxia Correlates With Poor Survival and M2 Macrophage Infiltration in Colorectal Cancer. <i>Frontiers in Oncology</i> , <b>2020</b> , 10, 566430	5.3	16
24	pH-Switchable Antimicrobial Nanofiber Networks of Hydrogel Eradicate Biofilm and Rescue Stalled Healing in Chronic Wounds. <i>ACS Nano</i> , <b>2019</b> , 13, 11686-11697	16.7	147
23	A Simple 3D-Printed Enzyme Reactor Paper Spray Mass Spectrometry Platform for Detecting BuChE Activity in Human Serum. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 12874-12881	7.8	28
22	Tuning the electronic and magnetic properties of MoS nanotubes with vacancy defects.. <i>RSC Advances</i> , <b>2019</b> , 9, 17203-17210	3.7	7
21	Bacteria-Instructed Click Chemistry between Functionalized Gold Nanoparticles for Point-of-Care Microbial Detection. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 23093-23101	9.5	34
20	Strain-tunable CO storage by black phosphorene and EPC from combined first principles and molecular dynamics studies. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 20107-20117	3.6	7
19	Subtyping of microsatellite instability-high colorectal cancer. <i>Cell Communication and Signaling</i> , <b>2019</b> , 17, 79	7.5	20
18	Binding Process and Free Energy Characteristics of Cellulose Chain into the Catalytic Domain of Cellobiohydrolase. <i>Journal of Physical Chemistry B</i> , <b>2019</b> , 123, 8853-8860	3.4	2
17	Surface Coated NIR Light-Responsive Nanostructures for Imaging and Therapeutic Applications. <i>World Scientific Series in Nanoscience and Nanotechnology</i> , <b>2019</b> , 135-165	0.1	
16	Prediction of a flexible anode material for Li/Na ion batteries: Phosphorous carbide monolayer (EPC). <i>Carbon</i> , <b>2019</b> , 141, 444-450	10.4	40
15	Deciphering molecular properties of hypermutated gastrointestinal cancer. <i>Journal of Cellular and Molecular Medicine</i> , <b>2019</b> , 23, 370-379	5.6	6
14	Realization of N-Type Semiconducting of Phosphorene through Surface Metal Doping and Work Function Study. <i>Journal of Nanomaterials</i> , <b>2018</b> , 2018, 1-9	3.2	8

13	Multi-omics Approach Reveals Distinct Differences in Left- and Right-Sided Colon Cancer. <i>Molecular Cancer Research</i> , <b>2018</b> , 16, 476-485	6.6	26
12	PNTCDA: a promising versatile organic electrode material for alkali-metal ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 24869-24876	13	6
11	Tuning the electronic and magnetic properties of porous graphene-like carbon nitride through 3d transition-metal doping. <i>Carbon</i> , <b>2017</b> , 117, 120-125	10.4	37
10	Bacteria-Activated Theranostic Nanoprobes against Methicillin-Resistant Staphylococcus aureus Infection. <i>ACS Nano</i> , <b>2017</b> , 11, 4428-4438	16.7	122
9	Pan-organ transcriptome variation across 21 cancer types. <i>Oncotarget</i> , <b>2017</b> , 8, 6809-6818	3.3	3
8	Bacterial species-identifiable magnetic nanosystems for early sepsis diagnosis and extracorporeal photodynamic blood disinfection. <i>Nanoscale</i> , <b>2017</b> , 10, 132-141	7.7	60
7	Rational synthesis of Pd nanoparticle-embedded reduced graphene oxide frameworks with enhanced selective catalysis in water. <i>Nanoscale</i> , <b>2016</b> , 8, 2787-94	7.7	22
6	Tumor heterogeneity uncovered by dynamic expression of long noncoding RNA at single-cell resolution. <i>Cancer Genetics</i> , <b>2015</b> , 208, 581-6	2.3	13
5	Ultrafast and directional diffusion of lithium in phosphorene for high-performance lithium-ion battery. <i>Nano Letters</i> , <b>2015</b> , 15, 1691-7	11.5	512
4	CPuORF correlates with miRNA responsive elements on protein evolutionary rates. <i>Biochemical and Biophysical Research Communications</i> , <b>2014</b> , 452, 66-71	3.4	2
3	Efficient Helium and Helium Isotopes Separation by Phosphorus Carbide P <sub>2</sub> C <sub>3</sub> Membrane. <i>Advanced Theory and Simulations</i> , 2100327	3.5	0
2	Self-assembly of ultra-small-sized carbon nanoparticles in lipid membrane disrupts its integrity. <i>Nanoscale Advances</i> ,	5.1	1
1	Spontaneous DNA translocation through a van der Waals heterostructure nanopore for single-molecule detection. <i>Nanoscale Advances</i> ,	5.1	4