

Yanmei Yang

List of Publications by Citations

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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	Ultrafast and directional diffusion of lithium in phosphorene for high-performance lithium-ion battery. <i>Nano Letters</i> , 2015 , 15, 1691-7	11.5	512
47	pH-Switchable Antimicrobial Nanofiber Networks of Hydrogel Eradicate Biofilm and Rescue Stalled Healing in Chronic Wounds. <i>ACS Nano</i> , 2019 , 13, 11686-11697	16.7	147
46	Bacteria-Activated Theranostic Nanoprobes against Methicillin-Resistant Staphylococcus aureus Infection. <i>ACS Nano</i> , 2017 , 11, 4428-4438	16.7	122
45	Bacterial species-identifiable magnetic nanosystems for early sepsis diagnosis and extracorporeal photodynamic blood disinfection. <i>Nanoscale</i> , 2017 , 10, 132-141	7.7	60
44	Prediction of a flexible anode material for Li/Na ion batteries: Phosphorous carbide monolayer (EPC). <i>Carbon</i> , 2019 , 141, 444-450	10.4	40
43	Tuning the electronic and magnetic properties of porous graphene-like carbon nitride through 3d transition-metal doping. <i>Carbon</i> , 2017 , 117, 120-125	10.4	37
42	Bacteria-Instructed Click Chemistry between Functionalized Gold Nanoparticles for Point-of-Care Microbial Detection. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 23093-23101	9.5	34
41	A Simple 3D-Printed Enzyme Reactor Paper Spray Mass Spectrometry Platform for Detecting BuChE Activity in Human Serum. <i>Analytical Chemistry</i> , 2019 , 91, 12874-12881	7.8	28
40	Multi-omics Approach Reveals Distinct Differences in Left- and Right-Sided Colon Cancer. <i>Molecular Cancer Research</i> , 2018 , 16, 476-485	6.6	26
39	Rational synthesis of Pd nanoparticle-embedded reduced graphene oxide frameworks with enhanced selective catalysis in water. <i>Nanoscale</i> , 2016 , 8, 2787-94	7.7	22
38	Subtyping of microsatellite instability-high colorectal cancer. <i>Cell Communication and Signaling</i> , 2019 , 17, 79	7.5	20
37	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> , 2021 , 223, 121745	6.2	18
36	Oriental DNA binding and directed transport on nanomaterial heterojunctions. <i>Nanoscale</i> , 2020 , 12, 5217-5226	7.7	16
35	Hypoxia Correlates With Poor Survival and M2 Macrophage Infiltration in Colorectal Cancer. <i>Frontiers in Oncology</i> , 2020 , 10, 566430	5.3	16
34	High-efficiency helium separation through an inorganic graphenylene membrane: a theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 9789-9795	3.6	14
33	Tumor heterogeneity uncovered by dynamic expression of long noncoding RNA at single-cell resolution. <i>Cancer Genetics</i> , 2015 , 208, 581-6	2.3	13
32	Anisotropic protein diffusion on nanosurface. <i>Nanoscale</i> , 2020 , 12, 5209-5216	7.7	10

31	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> , 2021 , 13, 9364-9370	7.7	9
30	Realization of N-Type Semiconducting of Phosphorene through Surface Metal Doping and Work Function Study. <i>Journal of Nanomaterials</i> , 2018 , 2018, 1-9	3.2	8
29	Tuning the electronic and magnetic properties of MoS nanotubes with vacancy defects.. <i>RSC Advances</i> , 2019 , 9, 17203-17210	3.7	7
28	Strain-tunable CO storage by black phosphorene and EPC from combined first principles and molecular dynamics studies. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 20107-20117	3.6	7
27	Probing the Microstructure in Pure Al & Cu Melts: Theory Meets Experiment. <i>Frontiers in Chemistry</i> , 2020 , 8, 607	5	7
26	Interface-enhanced CO ₂ capture via the synthetic effects of a nanomaterial-supported ionic liquid thin film. <i>Nanoscale Advances</i> , 2021 , 3, 1397-1403	5.1	7
25	Understanding CO capture kinetics and energetics by ionic liquids with molecular dynamics simulation.. <i>RSC Advances</i> , 2020 , 10, 13968-13974	3.7	6
24	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> , 2022 , 20, 12	9.4	6
23	Mild lipid extraction and anisotropic cell membrane penetration of Ephase phosphorene carbide nanoribbons by molecular dynamics simulation studies. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 23268-23275	3.6	6
22	Efficient isotropic water desalination in anisotropic lamellar nano-channels formed by layered black phosphorus membrane. <i>Desalination</i> , 2021 , 504, 114962	10.3	6
21	Deciphering molecular properties of hypermutated gastrointestinal cancer. <i>Journal of Cellular and Molecular Medicine</i> , 2019 , 23, 370-379	5.6	6
20	Heterogeneity of MSI-H gastric cancer identifies a subtype with worse survival. <i>Journal of Medical Genetics</i> , 2021 , 58, 12-19	5.8	6
19	Photo-assisted high performance single atom electrocatalysis of the N ₂ reduction reaction by a Mo-embedded covalent organic framework. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 19949-19957	13	6
18	PNTCDA: a promising versatile organic electrode material for alkali-metal ion batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 24869-24876	13	6
17	Tuning the binding behaviors of a protein YAP65WW domain on graphenic nano-sheets with boron or nitrogen atom doping. <i>Nanoscale Advances</i> , 2020 , 2, 4539-4546	5.1	4
16	Defect-Induced Double-Stranded DNA Unwinding on Graphene. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 2833-2840	3.4	4
15	Spontaneous DNA translocation through a van der Waals heterostructure nanopore for single-molecule detection. <i>Nanoscale Advances</i> ,	5.1	4
14	Pan-organ transcriptome variation across 21 cancer types. <i>Oncotarget</i> , 2017 , 8, 6809-6818	3.3	3

13	Binding Process and Free Energy Characteristics of Cellulose Chain into the Catalytic Domain of Cellobiohydrolase. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 8853-8860	3.4	2
12	CPuORF correlates with miRNA responsive elements on protein evolutionary rates. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 452, 66-71	3.4	2
11	h-FBN assisted negative ion paper spray for the sensitive detection of small molecules. <i>Chemical Communications</i> , 2021 , 57, 6612-6615	5.8	2
10	Exploring the biotoxicity of carbon boride nanosheets (BC3) based on the villin headpiece protein model. <i>Journal Physics D: Applied Physics</i> , 2022 , 55, 175403	3	1
9	Self-assembly of ultra-small-sized carbon nanoparticles in lipid membrane disrupts its integrity. <i>Nanoscale Advances</i> ,	5.1	1
8	A High-Throughput Screening Method for Determining the Optimized Synthesis Conditions of Quinoxaline Derivatives Using Microdroplet Reaction. <i>Frontiers in Chemistry</i> , 2020 , 8, 789	5	1
7	Hypermutated tumours across 11 cancer types show three distinct immune subtypes. <i>European Journal of Cancer</i> , 2021 , 148, 230-238	7.5	1
6	Efficient Helium and Helium Isotopes Separation by Phosphorus Carbide P 2 C 3 Membrane. <i>Advanced Theory and Simulations</i> ,2100327	3.5	0
5	Efficient anisotropic desalination by layer-stacked black phosphorus carbide (EPC) membrane. <i>Desalination</i> , 2022 , 522, 115422	10.3	0
4	Tuning the Water Desalination Performance of Graphenic Layered Nanomaterials by Element Doping and Inter-Layer Spacing*. <i>Chinese Physics Letters</i> , 2020 , 37, 116101	1.8	
3	Identification of of a PAX2 mutation from maternal mosaicism causes recurrent renal disorder in siblings.. <i>Clinica Chimica Acta</i> , 2021 , 525, 23-28	6.2	
2	Surface Coated NIR Light-Responsive Nanostructures for Imaging and Therapeutic Applications. <i>World Scientific Series in Nanoscience and Nanotechnology</i> , 2019 , 135-165	0.1	
1	Sub-nanometer-sized carbon nanoparticle shows higher biocompatibility to DNA than nanometer-sized nanoparticles. <i>Journal Physics D: Applied Physics</i> , 2022 , 55, 295401	3	