

# Yanlian Yang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9249260/publications.pdf>

Version: 2024-02-01

166  
papers

8,370  
citations

61984

43  
h-index

49909

87  
g-index

170  
all docs

170  
docs citations

170  
times ranked

13355  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Chemical Oxidation on the Structure of Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2003, 107, 3712-3718.	2.6	1,045
2	Binding of blood proteins to carbon nanotubes reduces cytotoxicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16968-16973.	7.1	839
3	Observation of Microscale Superlubricity in Graphite. <i>Physical Review Letters</i> , 2012, 108, 205503.	7.8	431
4	Unraveling the roles of CD44/CD24 and ALDH1 as cancer stem cell markers in tumorigenesis and metastasis. <i>Scientific Reports</i> , 2017, 7, 13856.	3.3	317
5	An ALS-associated mutation affecting TDP-43 enhances protein aggregation, fibril formation and neurotoxicity. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 822-830.	8.2	265
6	Pharmacological and toxicological target organelles and safe use of single-walled carbon nanotubes as drug carriers in treating Alzheimer disease. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2010, 6, 427-441.	3.3	258
7	Facet-Mediated Photodegradation of Organic Dye over Hematite Architectures by Visible Light. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 178-182.	13.8	258
8	Visible Light Induced Photocatalytic Degradation of Rhodamine B on One-Dimensional Iron Oxide Particles. <i>Journal of Physical Chemistry C</i> , 2010, 114, 17051-17061.	3.1	222
9	Temperature-triggered chemical switching growth of in-plane and vertically stacked graphene-boron nitride heterostructures. <i>Nature Communications</i> , 2015, 6, 6835.	12.8	191
10	Hierarchical construction of self-assembled low-dimensional molecular architectures observed by using scanning tunneling microscopy. <i>Chemical Society Reviews</i> , 2009, 38, 2576.	38.1	179
11	Individual Water-Filled Single-Walled Carbon Nanotubes as Hydroelectric Power Converters. <i>Advanced Materials</i> , 2008, 20, 1772-1776.	21.0	172
12	Nanomaterials for Reducing Amyloid Cytotoxicity. <i>Advanced Materials</i> , 2013, 25, 3780-3801.	21.0	165
13	Solvent effects on two-dimensional molecular self-assemblies investigated by using scanning tunneling microscopy. <i>Current Opinion in Colloid and Interface Science</i> , 2009, 14, 135-147.	7.4	143
14	Chemical modification of single-walled carbon nanotubes with peroxytrifluoroacetic acid. <i>Carbon</i> , 2005, 43, 1470-1478.	10.3	119
15	Dynamic change of PD-L1 expression on circulating tumor cells in advanced solid tumor patients undergoing PD-1 blockade therapy. <i>Oncology</i> , 2018, 7, e1438111.	4.6	119
16	Two methods for glass surface modification and their application in protein immobilization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2007, 60, 243-249.	5.0	103
17	Strong Aggregation and Directional Assembly of Aromatic Oligoamide Macrocycles. <i>Journal of the American Chemical Society</i> , 2011, 133, 18590-18593.	13.7	94
18	Electric Driven Molecular Switching of Asymmetric Tris(phthalocyaninato) Lutetium Triple-Decker Complex at the Liquid/Solid Interface. <i>Nano Letters</i> , 2008, 8, 1836-1843.	9.1	92

#	ARTICLE	IF	CITATIONS
19	Peptide-based isolation of circulating tumor cells by magnetic nanoparticles. <i>Journal of Materials Chemistry B</i> , 2014, 2, 4080-4088.	5.8	85
20	Emerging Nanotechnologies for Liquid Biopsy: The Detection of Circulating Tumor Cells and Extracellular Vesicles. <i>Advanced Materials</i> , 2019, 31, e1805344.	21.0	81
21	Chaperon-Mediated Single Molecular Approach Toward Modulating A $\beta$ Peptide Aggregation. <i>Nano Letters</i> , 2009, 9, 4066-4072.	9.1	80
22	Self-Assembly of Nanodonut Structure from a Cone-Shaped Designer Lipid-like Peptide Surfactant. <i>Langmuir</i> , 2009, 25, 4111-4114.	3.5	77
23	Alternating-electric-field-enhanced reversible switching of DNA nanocontainers with pH. <i>Nucleic Acids Research</i> , 2007, 35, e33.	14.5	73
24	Highly Dense and Perfectly Aligned Single-Walled Carbon Nanotubes Fabricated by Diamond Wire Drawing Dies. <i>Nano Letters</i> , 2008, 8, 1071-1075.	9.1	70
25	Stimuli-responsive self-assembling peptides made from antibacterial peptides. <i>Nanoscale</i> , 2013, 5, 6413.	5.6	70
26	Beta structure motifs of islet amyloid polypeptides identified through surface-mediated assemblies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 19605-19610.	7.1	66
27	Controllable Interconnection of Single-Walled Carbon Nanotubes under AC Electric Field. <i>Journal of Physical Chemistry B</i> , 2005, 109, 11420-11423.	2.6	61
28	Electric-Field-Enhanced Assembly of Single-Walled Carbon Nanotubes on a Solid Surface. <i>Journal of Physical Chemistry B</i> , 2005, 109, 5473-5477.	2.6	59
29	Amyloid A $\beta$ (1-42) Folding Multiplicity and Single-Molecule Binding Behavior Studied with STM. <i>Journal of Molecular Biology</i> , 2009, 388, 894-901.	4.2	58
30	Solvent Effects on Supramolecular Networks Formed by Racemic Star-Shaped Oligofluorene Studied by Scanning Tunneling Microscopy. <i>Journal of Physical Chemistry C</i> , 2008, 112, 8649-8653.	3.1	56
31	DNA compaction to multi-molecular DNA condensation induced by cationic imidazolium gemini surfactants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 414, 33-40.	4.7	55
32	Molecular-Level Evidence of the Surface-Induced Transformation of Peptide Structures Revealed by Scanning Tunneling Microscopy. <i>Langmuir</i> , 2009, 25, 8849-8853.	3.5	54
33	Sequence Effects on Peptide Assembly Characteristics Observed by Using Scanning Tunneling Microscopy. <i>Journal of the American Chemical Society</i> , 2013, 135, 2181-2187.	13.7	50
34	The Interaction of Serum Proteins with Carbon Nanotubes Depend on the Physicochemical Properties of Nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 10102-10110.	0.9	49
35	Nanostructure-induced DNA condensation. <i>Nanoscale</i> , 2013, 5, 8288.	5.6	48
36	An ALS-mutant TDP-43 neurotoxic peptide adopts an anti-parallel A $\beta$ -structure and induces TDP-43 redistribution. <i>Human Molecular Genetics</i> , 2014, 23, 6863-6877.	2.9	48

#	ARTICLE	IF	CITATIONS
37	Synergistic Inhibitory Effect of Peptide-Organic Coassemblies on Amyloid Aggregation. <i>ACS Nano</i> , 2016, 10, 4143-4153.	14.6	47
38	Peptide-Functionalized Nanomaterials for the Efficient Isolation of HER2-Positive Circulating Tumor Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 18423-18428.	8.0	47
39	The effect of graphene oxide on conformation change, aggregation and cytotoxicity of HIV-1 regulatory protein (Vpr). <i>Biomaterials</i> , 2013, 34, 1383-1390.	11.4	46
40	Toward the Chemistry of Carboxylic Single-Walled Carbon Nanotubes by Chemical Force Microscopy. <i>Journal of Physical Chemistry B</i> , 2002, 106, 4139-4144.	2.6	45
41	Biocompatible Hydrophilic Modifications of Poly(dimethylsiloxane) Using Self-Assembled Hydrophobins. <i>Chemistry of Materials</i> , 2007, 19, 3227-3231.	6.7	45
42	Porous $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> nanostructures with branched topology: growth, formation mechanism, and properties. <i>CrystEngComm</i> , 2010, 12, 1842.	2.6	45
43	Observation of Reduced Cytotoxicity of Aggregated Amyloidogenic Peptides with Chaperone-like Molecules. <i>ACS Nano</i> , 2011, 5, 6001-6007.	14.6	45
44	Patterning of cells on functionalized poly(dimethylsiloxane) surface prepared by hydrophobin and collagen modification. <i>Biosensors and Bioelectronics</i> , 2008, 24, 912-916.	10.1	43
45	Direct electrochemical and AFM detection of amyloid- $\beta$ peptide aggregation on basal plane HOPG. <i>Nanoscale</i> , 2014, 6, 7853-7857.	5.6	41
46	Microtribologic Properties of a Covalently Attached Nanostructured Self-Assembly Film Fabricated from Fullerene Carboxylic Acid and Diazoresin. <i>Langmuir</i> , 2002, 18, 5186-5189.	3.5	40
47	Synergistic Effect and Hierarchical Nanostructure Formation in Mixing Two Designer Lipid-Like Peptide Surfactants Ac <sub>6</sub> D <sub>6</sub> OH and Ac <sub>6</sub> K <sub>2</sub> NH <sub>2</sub> . <i>Macromolecular Bioscience</i> , 2008, 8, 1060-1067.	4.1	40
48	Processing Matters: In situ Fabrication of Conducting Polymer Microsensors Enables Ultralow-Limit Gas Detection. <i>Advanced Materials</i> , 2008, 20, 2145-2150.	21.0	40
49	Observation of molecular inhibition and binding structures of amyloid peptides. <i>Nanoscale</i> , 2012, 4, 1895.	5.6	39
50	Atom-Thin SnS <sub>2</sub> with Adjustable Compositions by Direct Liquid Exfoliation from Single Crystals. <i>ACS Nano</i> , 2016, 10, 755-762.	14.6	39
51	Purification and length separation of single-walled carbon nanotubes using chromatographic method. <i>Synthetic Metals</i> , 2005, 155, 455-460.	3.9	38
52	Structural characteristics of the beta-sheet-like human and rat islet amyloid polypeptides as determined by scanning tunneling microscopy. <i>Journal of Structural Biology</i> , 2009, 167, 209-215.	2.8	37
53	Binding Modes of Thioflavin T Molecules to Prion Peptide Assemblies Identified by Using Scanning Tunneling Microscopy. <i>ACS Chemical Neuroscience</i> , 2011, 2, 281-287.	3.5	37
54	Quantifying Surface Charge Density by Using an Electric Force Microscope with a Referential Structure. <i>Journal of Physical Chemistry C</i> , 2009, 113, 204-207.	3.1	36

#	ARTICLE	IF	CITATIONS
55	High Transfection Efficiency of Homogeneous DNA Nanoparticles Induced by Imidazolium Gemini Surfactant as Nonviral Vector. <i>Journal of Physical Chemistry C</i> , 2013, 117, 26573-26581.	3.1	36
56	A designed peptide targeting CXCR4 displays anti-acute myelocytic leukemia activity in vitro and in vivo. <i>Scientific Reports</i> , 2015, 4, 6610.	3.3	36
57	Improving chemotherapeutic efficiency in acute myeloid leukemia treatments by chemically synthesized peptide interfering with CXCR4/CXCL12 axis. <i>Scientific Reports</i> , 2015, 5, 16228.	3.3	34
58	Differentiating Amino Acid Residues and Side Chain Orientations in Peptides Using Scanning Tunneling Microscopy. <i>Journal of the American Chemical Society</i> , 2013, 135, 18528-18535.	13.7	33
59	Photoelectric Conversion Property of Covalent-Attached Multilayer Self-Assembled Films Fabricated from Diazoresin and Fullerol. <i>Langmuir</i> , 2001, 17, 6034-6036.	3.5	32
60	NaOH Concentration Effect on the Oriented Attachment Growth Kinetics of ZnS. <i>Journal of Physical Chemistry B</i> , 2007, 111, 5290-5294.	2.6	32
61	Transformation of Self-Assembled Structure by the Addition of Active Reactant. <i>Journal of Physical Chemistry C</i> , 2011, 115, 6540-6544.	3.1	32
62	Switchable supramolecular assemblies on graphene. <i>Nanoscale</i> , 2014, 6, 8387-8391.	5.6	32
63	Molecular Tethering Effect of C-Terminus of Amyloid Peptide A $\beta$ 242. <i>ACS Nano</i> , 2014, 8, 9503-9510.	14.6	32
64	Electrostatic characteristics of nanostructures investigated using electric force microscopy. <i>Journal of Solid State Chemistry</i> , 2008, 181, 1670-1677.	2.9	30
65	Functionalization of two-component molecular networks: recognition of Fe <sup>3+</sup> . <i>Nanoscale</i> , 2012, 4, 148-151.	5.6	30
66	Molecular miscibility characteristics of self-assembled 2D molecular architectures. <i>Journal of Materials Chemistry</i> , 2008, 18, 2074.	6.7	28
67	Organic-Inorganic Hybrid Aligned by the Ligand-Ligand Hydrogen Bonds by Using Pyridyl-Substituted Oxalamides as the Building Blocks. <i>Crystal Growth and Design</i> , 2008, 8, 869-876.	3.0	28
68	Quantitative Nanomechanical Analysis of Small Extracellular Vesicles for Tumor Malignancy Indication. <i>Advanced Science</i> , 2021, 8, e2100825.	11.2	28
69	Enrichment of Large-Diameter Single-Walled Carbon Nanotubes by Oxidative Acid Treatment. <i>Journal of Physical Chemistry B</i> , 2002, 106, 7160-7162.	2.6	25
70	Molecular arrays formed in anisotropically rearranged supramolecular network with molecular substitutional asymmetry. <i>Journal of Materials Chemistry</i> , 2010, 20, 9100.	6.7	24
71	Characterization of $\beta$ -domains in C-terminal fragments of TDP-43 by scanning tunneling microscopy. <i>Journal of Structural Biology</i> , 2013, 181, 11-16.	2.8	24
72	Matrix-molecule induced chiral enhancement effect of binary supramolecular liquid crystals. <i>Journal of Materials Chemistry</i> , 2007, 17, 4699.	6.7	22

#	ARTICLE	IF	CITATIONS
73	Transformation of $\beta$ -sheet structures of the amyloid peptide induced by molecular modulators. <i>Chemical Communications</i> , 2014, 50, 8923-8926.	4.1	22
74	Principles of Inter-Amino-Acid Recognition Revealed by Binding Energies between Homogeneous Oligopeptides. <i>ACS Central Science</i> , 2019, 5, 97-108.	11.3	22
75	A General Approach to Chemical Modification of Single-Walled Carbon Nanotubes with Peroxy Organic Acids and Its Application in Polymer Grafting. <i>Journal of Physical Chemistry C</i> , 2007, 111, 2379-2385.	3.1	20
76	Straight and Branched Goethite Topology by Oriented Attachment at High pH. <i>Crystal Growth and Design</i> , 2010, 10, 504-509.	3.0	20
77	L-3,4-dihydroxyphenylalanine-collagen modified PDMS surface for controlled cell culture. <i>Journal of Materials Chemistry</i> , 2012, 22, 10763.	6.7	20
78	Noninvasive Diagnosis and Molecular Phenotyping of Breast Cancer through Microbead-Assisted Flow Cytometry Detection of Tumor-Derived Extracellular Vesicles. <i>Small Methods</i> , 2018, 2, 1800122.	8.6	20
79	Modulation of $\beta$ -amyloid aggregation by graphene quantum dots. <i>Royal Society Open Science</i> , 2019, 6, 190271.	2.4	20
80	Versatile Biosensing Toolkit Using an Electronic Particle Counter. <i>Analytical Chemistry</i> , 2021, 93, 6178-6187.	6.5	20
81	Identification of a Peripheral Substitution Symmetry Effect in Self-Assembled Architectures. <i>ChemPhysChem</i> , 2007, 8, 2615-2620.	2.1	19
82	Self-Assembled Peptide Nanofibrils Designed to Release Membrane-Lysing Antimicrobial Peptides. <i>ACS Applied Bio Materials</i> , 2020, 3, 3648-3655.	4.6	19
83	A facile strategy to enhance the fill factor of ternary blend solar cells by increasing charge carrier mobility. <i>New Journal of Chemistry</i> , 2013, 37, 1728.	2.8	18
84	Peptide-Polyphenol (KLVFF/EGCG) Binary Modulators for Inhibiting Aggregation and Neurotoxicity of Amyloid- $\beta$ Peptide. <i>ACS Omega</i> , 2019, 4, 4233-4242.	3.5	18
85	Electron beam-induced structure transformation of single-walled carbon nanotubes. <i>Carbon</i> , 2002, 40, 2282-2284.	10.3	17
86	Polymeric effects on DNA condensation by cationic polymers observed by atomic force microscopy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 75, 230-238.	5.0	17
87	Characterization and Application of Self-Assembly Porphyrin with Four $\alpha$ -Clips on Gold Surface. <i>Journal of Physical Chemistry C</i> , 2010, 114, 12320-12324.	3.1	17
88	Determination of relative binding affinities of labeling molecules with amino acids by using scanning tunneling microscopy. <i>Chemical Communications</i> , 2011, 47, 10638.	4.1	17
89	Dual effect of PEG-PE micelle over the oligomerization and fibrillation of human islet amyloid polypeptide. <i>Scientific Reports</i> , 2018, 8, 4463.	3.3	17
90	Efficient isolation and quantification of circulating tumor cells in non-small cell lung cancer patients using peptide-functionalized magnetic nanoparticles. <i>Journal of Thoracic Disease</i> , 2020, 12, 4262-4273.	1.4	17

#	ARTICLE	IF	CITATIONS
91	Rational Design of Ternary-Phase Polymer Solar Cells by Controlling Polymer Phase Separation. <i>Journal of Physical Chemistry C</i> , 2014, 118, 10552-10559.	3.1	16
92	Vacuum-tuned-atmosphere induced assembly of Au@Ag core/shell nanocubes into multi-dimensional superstructures and the ultrasensitive IAPP proteins SERS detection. <i>Nano Research</i> , 2019, 12, 1375-1379.	10.4	16
93	Electrical Conformational Bistability of Dimesogen Molecules with a Molecular Chord Structure. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6889-6893.	13.8	15
94	Single-molecule studies on individual peptides and peptide assemblies on surfaces. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20120311.	3.4	15
95	Single Molecule Studies of Cyclic Peptides Using Molecular Matrix at Liquid/Solid Interface by Scanning Tunneling Microscopy. <i>Langmuir</i> , 2010, 26, 16305-16311.	3.5	14
96	Peptide-tailored assembling of Aunanorods. <i>Chemical Communications</i> , 2011, 47, 5482-5484.	4.1	14
97	Single-molecule insights into surface-mediated homochirality in hierarchical peptide assembly. <i>Nature Communications</i> , 2018, 9, 2711.	12.8	14
98	Molecular recognition of human islet amyloid polypeptide assembly by selective oligomerization of thioflavin T. <i>Science Advances</i> , 2020, 6, eabc1449.	10.3	14
99	Molecular level studies on binding modes of labeling molecules with polyaniline peptides. <i>Nanoscale</i> , 2011, 3, 1592.	5.6	13
100	Building layer-by-layer 3D supramolecular nanostructures at the terephthalic acid/stearic acid interface. <i>Chemical Communications</i> , 2011, 47, 9155.	4.1	13
101	A self-assembled nanopatch with peptide-organic multilayers and mechanical properties. <i>Nanoscale</i> , 2015, 7, 2250-2254.	5.6	13
102	Effects of intermolecular interactions on the controlled assembly of organic monolayers: an STM study. <i>Surface and Interface Analysis</i> , 2006, 38, 1039-1046.	1.8	12
103	Nanoscale Electrowetting Effects Studied by Atomic Force Microscopy. <i>Journal of Physical Chemistry C</i> , 2009, 113, 661-665.	3.1	12
104	Graphene oxide assisted synthesis of GaN nanostructures for reducing cell adhesion. <i>Nanoscale</i> , 2013, 5, 11019.	5.6	12
105	Comparative Method To Quantify Dielectric Constant at Nanoscale Using Atomic Force Microscopy. <i>Journal of Physical Chemistry C</i> , 2014, 118, 5556-5562.	3.1	12
106	Attenuation of $\beta$ 2-Amyloid Toxicity In Vitro and In Vivo by Accelerated Aggregation. <i>Neuroscience Bulletin</i> , 2017, 33, 405-412.	2.9	12
107	Aggregation behavior of hydrophobically modified polyacrylate in aqueous solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 256, 69-75.	4.7	11
108	DNA condensation induced by a cationic polymer studied by atomic force microscopy and electrophoresis assay. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 62, 151-156.	5.0	11



#	ARTICLE	IF	CITATIONS
109	A material combination principle for highly efficient polymer solar cells investigated by mesoscopic phase heterogeneity. <i>Nanoscale</i> , 2013, 5, 11649.	5.6	11
110	Synthetic Neutralizing Peptides Inhibit the Host Cell Binding of Spike Protein and Block Infection of SARS-CoV-2. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 14887-14894.	6.4	11
111	The nanofabrication of polydimethylsiloxane using a focused ion beam. <i>Nanotechnology</i> , 2009, 20, 145301.	2.6	10
112	Anisotropic growth of multi-twinned goethite particles by oriented aggregation. <i>CrystEngComm</i> , 2010, 12, 4007.	2.6	10
113	Influence of block sequences in polymer vectors for gene transfection in vitro and toxicity assessment of zebrafish embryos in vivo. <i>Journal of Materials Chemistry</i> , 2011, 21, 4538.	6.7	10
114	Protein photoimmobilizations on the surface of quartz glass simply mediated by benzophenone. <i>Applied Surface Science</i> , 2011, 257, 7415-7421.	6.1	10
115	Bridging mesoscopic blend structure and property to macroscopic device performance via in situ optoelectronic characterization. <i>Journal of Materials Chemistry</i> , 2012, 22, 4349.	6.7	10
116	Electrowetting Phenomenon on Nanostructured Surfaces Studied by Using Atomic Force Microscopy. <i>Journal of Physical Chemistry C</i> , 2012, 116, 14311-14317.	3.1	10
117	Fluorescence property on solutions of zwitterionic surfactant tetradecylbetaine in the presence of macromolecules. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2000, 56, 2431-2437.	3.9	9
118	Multi-component supramolecular assembly structures studied by scanning tunnelling microscopy. <i>International Journal of Nanotechnology</i> , 2007, 4, 4.	0.2	9
119	Nanoscale Electrowetting Effects Observed by Using Friction Force Microscopy. <i>Langmuir</i> , 2011, 27, 7603-7608.	3.5	9
120	Identification of Core Segment of Amyloid Peptide Mediated by Chaperone Molecules by using Scanning Tunneling Microscopy. <i>ChemPhysChem</i> , 2015, 16, 2995-2999.	2.1	9
121	Steric Dependence of Chirality Effect in Surface-Mediated Peptide Assemblies Identified with Scanning Tunneling Microscopy. <i>Nano Letters</i> , 2019, 19, 5403-5409.	9.1	9
122	Molecularly tuned peptide assemblies at the liquid–solid interface studied by scanning tunneling microscopy. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 11683.	2.8	8
123	Odd–Even Sequence Effect of Surface-Mediated Peptide Assemblies Observed by Scanning Tunneling Microscopy. <i>Chinese Journal of Chemistry</i> , 2012, 30, 1987-1991.	4.9	8
124	Determination of the Surface Charge Density and Temperature Dependence of Purple Membrane by Electric Force Microscopy. <i>Journal of Physical Chemistry B</i> , 2013, 117, 9895-9899.	2.6	8
125	Peptide recognition by functional supramolecular nanopores with complementary size and binding sites. <i>Nano Research</i> , 2016, 9, 1452-1459.	10.4	8
126	Lattice modulation effect of liquid–solid interface on peptide assemblies. <i>Surface Science</i> , 2016, 649, 34-38.	1.9	8



#	ARTICLE	IF	CITATIONS
127	Stabilization Effect of Amino Acid Side Chains in Peptide Assemblies on Graphite Studied by Scanning Tunneling Microscopy. <i>ChemPhysChem</i> , 2017, 18, 926-934.	2.1	8
128	Self-Assembled chiral nanostructures of amphiphilic peptide: from single molecule to aggregate. <i>Journal of Peptide Science</i> , 2017, 23, 803-809.	1.4	8
129	Two-dimensional rigid molecular network with elastic boundaries for constructing hybrid molecular assemblies. <i>Journal of Materials Chemistry</i> , 2009, 19, 1490.	6.7	7
130	Evolution of polymer photovoltaic performances from subtle chemical structure variations. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 15127.	2.8	7
131	Study on Molecular Cavity of Oligoamide Macrocycles by Using Scanning Tunneling Microscopy. <i>ChemPhysChem</i> , 2012, 13, 3598-3604.	2.1	7
132	Rationalization of the Selectivity in the Optimization of Processing Conditions for High-Performance Polymer Solar Cells Based on the Polymer Self-Assembly Ability. <i>Journal of Physical Chemistry C</i> , 2014, 118, 29473-29481.	3.1	7
133	Large Electric Field-Enhanced Hardness Effect in a SiO <sub>2</sub> Film. <i>Scientific Reports</i> , 2015, 4, 4523.	3.3	7
134	Site-specific determination of TTR-related functional peptides by using scanning tunneling microscopy. <i>Nano Research</i> , 2018, 11, 577-585.	10.4	7
135	Identification of molecular flipping of an asymmetric tris(phthalocyaninato) lutetium triple-decker complex by scanning tunneling microscopy/spectroscopy. <i>Nano Research</i> , 2009, 2, 235-241.	10.4	6
136	Sequential assembly of metal-free phthalocyanine on few-layer epitaxial graphene mediated by thickness-dependent surface potential. <i>Nano Research</i> , 2012, 5, 543-549.	10.4	6
137	Charge-induced local dewetting on polymer electrets studied by atomic force microscopy. <i>Soft Matter</i> , 2013, 9, 9702.	2.7	6
138	Site-specific Analysis of Amyloid Assemblies by Using Scanning Tunneling Microscopy. <i>Chinese Journal of Chemistry</i> , 2015, 33, 24-34.	4.9	6
139	Dual-affinity peptide mediated inter-protein recognition. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 11342-11346.	2.8	6
140	Interfacial assembly structures and nanotribological properties of saccharic acids. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 1236-1243.	2.8	6
141	Sharp-featured Au@Ag core/shell nanocuboid synthesis and the label-free ultrasensitive SERS detection of protein single-point mutations. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1720-1724.	5.9	6
142	Peptide conformation and oligomerization characteristics of surface-mediated assemblies revealed by molecular dynamics simulations and scanning tunneling microscopy. <i>RSC Advances</i> , 2019, 9, 41345-41350.	3.6	6
143	Poroptosis: A form of cell death depending on plasma membrane nanopores formation. <i>IScience</i> , 2022, 25, 104481.	4.1	6
144	Studies on Composition and Sequence Effects in Surface-Mediated Octapeptide Assemblies by Using Scanning Tunneling Microscopy. <i>Journal of Physical Chemistry C</i> , 2017, 121, 10364-10369.	3.1	5

#	ARTICLE	IF	CITATIONS
145	Peptide-directed delivery of drug-loaded nanocarriers targeting CD36 overexpressing cells. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 610, 125970.	4.7	5
146	Peptide Self-Assembly and Its Modulation: Imaging on the Nanoscale. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1174, 35-60.	1.6	5
147	Machine Learning-Assisted Dual-Marker Detection in Serum Small Extracellular Vesicles for the Diagnosis and Prognosis Prediction of Non-Small Cell Lung Cancer. <i>Nanomaterials</i> , 2022, 12, 809.	4.1	5
148	A nucleus-targeting peptide antagonist towards EZH2 displays therapeutic efficacy for lung cancer. <i>International Journal of Pharmaceutics</i> , 2022, 622, 121894.	5.2	5
149	Influence of asymmetric adsorption on electronic states of molecule studied by scanning tunneling microscopy and spectroscopy. <i>Chemical Physics Letters</i> , 2009, 474, 132-136.	2.6	4
150	Combined SPM Investigation on the Interfacial Structure of a Phthalocyanine/Conjugated Polymer Composite Film. <i>Langmuir</i> , 2011, 27, 3496-3501.	3.5	4
151	Identifying Terminal Assembly Propensity of Amyloid Peptides by Scanning Tunneling Microscopy. <i>ChemPhysChem</i> , 2019, 20, 103-107.	2.1	4
152	Prognostic Relevance of Estrogen Receptor Status in Circulating Tumor Cells in Breast Cancer Patients Treated With Endocrine Therapy. <i>Frontiers in Oncology</i> , 2022, 12, 866293.	2.8	4
153	Charge-Pattern Indicated Relaxation Dynamics and Glass Transition of Polymer Thin Films Studied by Atomic Force Microscopy. <i>Journal of Physical Chemistry C</i> , 2016, 120, 12157-12162.	3.1	3
154	Molecular Absorptive Behavior of Liquid Crystal Molecular Templates. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 1148-1151.	0.9	2
155	Nanoscale structural and electronic evolution for increased efficiency in polymer solar cells monitored by electric scanning probe microscopy. <i>Science Bulletin</i> , 2014, 59, 360-368.	1.7	2
156	Nanoscale Electric Characteristics and Oriented Assembly of Halobacterium salinarum Membrane Revealed by Electric Force Microscopy. <i>Nanomaterials</i> , 2016, 6, 197.	4.1	2
157	Peptide-binding induced inhibition of chemokine CXCL12. <i>RSC Advances</i> , 2017, 7, 21298-21307.	3.6	2
158	Heterochirality-Mediated Cross-Strand Nested Hydrophobic Interaction Effects Manifested in Surface-Bound Peptide Assembly Structures. <i>Journal of Physical Chemistry B</i> , 2022, 126, 723-733.	2.6	2
159	Electric-Field-Induced Alignment of Charged Organic Nanowires. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 1066-1070.	0.9	1
160	ELECTRIC-FIELD DEPENDENCE OF MOLECULAR CONFORMATIONS OBSERVED BY USING SCANNING TUNNELING MICROSCOPY. <i>Nano</i> , 2008, 03, 83-94.	1.0	0
161	Effect of Electrostatic Interactions on Metallophthalocyanine Single Molecular Arrays with $\omega$ -Octadecyl Mercaptan Templates. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 1152-1155.	0.9	0
162	Fabrication of Nanoporous Networks with Tunable Triangular Cavities with a Molecular Template. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 10207-10210.	0.9	0

#	ARTICLE	IF	CITATIONS
163	Probing Molecular Basis for Constructing Interface Bionanostructures. Topics in Catalysis, 2018, 61, 1125-1138.	2.8	0
164	Thermal Stability of Bulk Heterojunction Photovoltaics Revealed by Electrical Scanning Probe Microscopy. , 2018, , .		0
165	Nanotechnology of Circulating Tumor Cell Enrichment and Detection. Acta Agronomica Sinica(China), 2013, 40, 955.	0.3	0
166	Molecular Studies of Peptide Assemblies and Related Applications in Tumor Therapy and Diagnosis. , 2020, , 255-286.		0