

Chun-Li Bai

List of Publications by Year in descending order

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100
papers

2,232
citations

257450

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102
all docs

102
docs citations

102
times ranked

2637
citing authors

#	ARTICLE	IF	CITATIONS
1	Alkane-Assisted Adsorption and Assembly of Phthalocyanines and Porphyrins. <i>Journal of the American Chemical Society</i> , 2000, 122, 5550-5556.	13.7	285
2	Ordered Ni ²⁺ /Cu Nanowire Array with Enhanced Coercivity. <i>Chemistry of Materials</i> , 2003, 15, 664-667.	6.7	113
3	The observation of the local ordering characteristics of spermidine- condensed DNA: atomic force microscopy and polarizing microscopy studies. <i>Nucleic Acids Research</i> , 1998, 26, 3228-3234.	14.5	91
4	GLOBAL VOICES OF SCIENCE: Ascent of Nanoscience in China. <i>Science</i> , 2005, 309, 61-63.	12.6	90
5	Theoretical study of the effects of intermolecular interactions in self-assembled long-chain alkanes adsorbed on graphite surface. <i>Surface and Interface Analysis</i> , 2001, 32, 248-252.	1.8	89
6	New Structure of γ -Cysteine Self-Assembled Monolayer on Au(111): \AA Studies by In Situ Scanning Tunneling Microscopy. <i>Langmuir</i> , 2001, 17, 6203-6206.	3.5	77
7	From Chemistry to Nanoscience: Not Just a Matter of Size. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2678-2683.	13.8	73
8	Interface Assembly Synthesis of Inorganic Composite Hollow Spheres. <i>Journal of Physical Chemistry B</i> , 2004, 108, 9734-9738.	2.6	62
9	Highly Dispersed Metal Nanoparticles in Porous Anodic Alumina Films Prepared by a Breathing Process of Polyacrylamide Hydrogel. <i>Chemistry of Materials</i> , 2003, 15, 4332-4336.	6.7	61
10	Functional Gadofullerene Nanoparticles Trigger Robust Cancer Immunotherapy Based on Rebuilding an Immunosuppressive Tumor Microenvironment. <i>Nano Letters</i> , 2020, 20, 4487-4496.	9.1	57
11	Gadofullerene Nanoparticles Reverse Dysfunctions of Pancreas and Improve Hepatic Insulin Resistance for Type 2 Diabetes Mellitus Treatment. <i>ACS Nano</i> , 2019, 13, 8597-8608.	14.6	53
12	Self-assembled two-dimensional hexagonal networks. <i>Journal of Materials Chemistry</i> , 2002, 12, 2856-2858.	6.7	51
13	Self-Assembling of an Amphiphilic Polyacetylene Carrying γ -Leucine Pendant: A Homopolymer Case. <i>Macromolecules</i> , 2003, 36, 5447-5450.	4.8	51
14	Stabilization Effect of Alkane Buffer Layer on Formation of Nanometer-Sized Metal Phthalocyanine Domains. <i>Journal of Physical Chemistry B</i> , 2000, 104, 10502-10505.	2.6	50
15	A highly efficient and tumor vascular-targeting therapeutic technique with size-expansible gadofullerene nanocrystals. <i>Science China Materials</i> , 2015, 58, 799-810.	6.3	49
16	Chain-length-adjusted assembly of substituted porphyrins on graphite. <i>Surface and Interface Analysis</i> , 2001, 32, 266-270.	1.8	45
17	Friction Coefficients Derived from Apparent Height Variations in Contact Mode Atomic Force Microscopy Images. <i>Langmuir</i> , 1999, 15, 7662-7669.	3.5	43
18	STM Study of Two-Dimensional Assemblies of Tricarboxylic Acid Derivatives on Au(111). <i>Journal of Physical Chemistry B</i> , 2004, 108, 11251-11255.	2.6	43

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19	Photoinduced organic nanowires from self-assembled monolayers. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2002, 20, 2466.	1.6	32
20	Gadofullerene inhibits the degradation of apolipoprotein B100 and boosts triglyceride transport for reversing hepatic steatosis. <i>Science Advances</i> , 2020, 6, .	10.3	32
21	Identification of hydrogen bond characterizations of isomeric 4Bpy and 2Bpy by STM. <i>Surface and Interface Analysis</i> , 2001, 32, 245-247.	1.8	30
22	Bipyridine conformations control the solid-state supramolecular chemistry of zinc(ii) phthalocyanine with bipyridines. <i>CrystEngComm</i> , 2005, 7, 243.	2.6	29
23	Structure and Dynamic Process of Two-Dimensional Monodendron Assembly. <i>Chemistry of Materials</i> , 2003, 15, 3098-3104.	6.7	27
24	Magnetic Feshbach resonances in collisions of ^{23}Na with ^{40}K . <i>New Journal of Physics</i> , 2021, 23, 115010.	2.9	25
25	In Situ STM Evidence for Adsorption of Rhodamine B in Solution. <i>Journal of Physical Chemistry B</i> , 2002, 106, 4223-4226.	2.6	24
26	Adlayer Structures of Benzene and Pyridine Molecules on Cu(100) in Solution by ECSTM. <i>Journal of Physical Chemistry B</i> , 2001, 105, 8399-8402.	2.6	23
27	Adlayer Structures of Pyridine, Pyrazine and Triazine on Cu(111): An in Situ Scanning Tunneling Microscopy Study. <i>Langmuir</i> , 2002, 18, 5133-5138.	3.5	23
28	Identification of the Preferential-Bonding Effect of Disubstituted Alkane Derivatives Using Scanning Tunneling Microscopy. <i>Journal of Physical Chemistry B</i> , 2004, 108, 620-624.	2.6	22
29	Atomic Force Microscopy Analysis of Intermediates in Cobalt Hexamine-Induced DNA Condensation. <i>Journal of Biomolecular Structure and Dynamics</i> , 2000, 18, 1-9.	3.5	21
30	Evidence for the association of triatomic molecules in ultracold ^{23}Na + ^{40}K mixtures. <i>Nature</i> , 2022, 602, 229-233.	27.8	21
31	Effect of Chemically Modified Tips on STM Imaging of 1-Octadecanethiol Molecule. <i>Journal of Physical Chemistry B</i> , 2001, 105, 10465-10467.	2.6	19
32	Fullerene nanoparticles: a promising candidate for the alleviation of silicosis-associated pulmonary inflammation. <i>Nanoscale</i> , 2020, 12, 17470-17479.	5.6	19
33	Preparation and dispersion of Ni-Cu composite nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 3422-3424.	2.8	18
34	Adlayer Structures of Calixarenes on Au(111) Surface Studied with STM. <i>Journal of Physical Chemistry B</i> , 2003, 107, 13111-13116.	2.6	17
35	Effect of Chemical Structure on the Adsorption of Amino Acids with Aliphatic and Aromatic Substitution Groups: An In Situ STM Study. <i>Journal of Physical Chemistry B</i> , 2003, 107, 8474-8478.	2.6	17
36	Morphological observations of single-chain glassy polystyrene by means of tapping mode atomic force microscopy. <i>Macromolecular Chemistry and Physics</i> , 1996, 197, 2165-2174.	2.2	16

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37	Surface morphology and nodule formation mechanism of cellulose acetate membranes by atomic force microscopy. <i>Journal of Applied Polymer Science</i> , 2003, 88, 1328-1335.	2.6	14
38	Evidence of diffusion characteristics of field emission electrons in nanostructuring process on graphite surface. <i>Applied Physics Letters</i> , 1996, 69, 348-350.	3.3	12
39	Domain configuration and interface structure analysis of sol-gel-derived PZT ferroelectric thin films. <i>Surface and Interface Analysis</i> , 2001, 32, 27-31.	1.8	12
40	Photodimerization of P2VB on Au(111) in Solution Studied with Scanning Tunneling Microscopy. <i>Journal of Physical Chemistry B</i> , 2003, 107, 5116-5119.	2.6	12
41	Fullerene nanoparticles for the treatment of ulcerative colitis. <i>Science China Life Sciences</i> , 2022, 65, 1146-1156.	4.9	12
42	Effect of Selective Cytosine Methylation and Hydration on the Conformations of DNA Triple Helices Containing a TTTT Loop Structure by FT-IR Spectroscopy. <i>Journal of Biomolecular Structure and Dynamics</i> , 1995, 13, 471-482.	3.5	11
43	Piezoelectric push-pull micropositioner for ballistic electron emission microscope. <i>Review of Scientific Instruments</i> , 1997, 68, 3803-3805.	1.3	11
44	Branched Nanowire Based Guanine Rich Oligonucleotides. <i>Journal of Biomolecular Structure and Dynamics</i> , 2001, 18, 807-812.	3.5	11
45	Adlayer structure of 1-C18H37 SH molecules: scanning tunnelling microscopy study. <i>Surface and Interface Analysis</i> , 2001, 32, 256-261.	1.8	11
46	A Dimeric Structure of BacteriochlorophyllidecMolecules Studied by Scanning Tunneling Microscopy. <i>Journal of Physical Chemistry B</i> , 2002, 106, 3037-3040.	2.6	11
47	Surface-Enhanced Fourier Transform Raman Scattering from a DNA Triple Helix Poly[dA]-2Poly[dT] at a Silver Electrode: Beyond the Short-Range Mechanism. <i>The Journal of Physical Chemistry</i> , 1996, 100, 17410-17413.	2.9	10
48	Enhancement of resolution of DNA on silylated mica using atomic force microscopy. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2000, 18, 1858.	1.6	10
49	The effects of annealing on the structures and electrical conductivities of fullerene-derived nanowires. <i>Journal of Materials Chemistry</i> , 2004, 14, 914.	6.7	10
50	Hydrated Water Molecules of Pyrimidine/Purine/Pyrimidine DNA Triple Helices as Revealed by FT-IR Spectroscopy: A Role of Cytosine Methylation. <i>Journal of Biomolecular Structure and Dynamics</i> , 1997, 14, 485-493.	3.5	9
51	Effect of humidity on the surface adhesion force of inorganic crystals by the force spectrum method. <i>Science Bulletin</i> , 2001, 46, 912-914.	1.7	9
52	Gadofullerene nanoparticles for robust treatment of aplastic anemia induced by chemotherapy drugs. <i>Theranostics</i> , 2020, 10, 6886-6897.	10.0	9
53	Langmuir-Blodgett film formation of rare-earth metal di-, triphthalocyanine complexes and observation of their thin film by means of TEM and STM. <i>Chinese Journal of Chemistry</i> , 2010, 9, 126-130.	4.9	8
54	Threshold behavior of nanometer scale fabrication process using scanning tunneling microscopy. <i>Journal of Applied Physics</i> , 1997, 81, 1227-1230.	2.5	7

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55	Visualization of the intermediates in a uniform DNA condensation system by tapping mode atomic force microscopy. <i>Surface and Interface Analysis</i> , 2001, 32, 15-19.	1.8	7
56	Adlayer Structures of Organic Molecules with Different Functional Groups on Cu(111) in Solution. <i>Journal of Physical Chemistry B</i> , 2002, 106, 11272-11276.	2.6	7
57	Electrochemical Construction of Novel C60 Derivative/PPV Composite Adlayer on Cu(111) and Their Current/Voltage Characteristics. <i>Journal of Physical Chemistry B</i> , 2004, 108, 965-970.	2.6	7
58	Computational analysis of triplex formation of oligonucleotides: protonated and 5-methylated py-pu-py motif. <i>Science in China Series B: Chemistry</i> , 1997, 40, 113-121.	0.8	6
59	Investigation of atomic structure ahead of crack tip by STM and AFM. <i>Science in China Series D: Earth Sciences</i> , 1998, 41, 411-417.	0.9	6
60	Fold-Back Tetraplex DNA Species in DNase I-Resistant DNA Isolated from Hela Cells. <i>Journal of Biomolecular Structure and Dynamics</i> , 2000, 17, 871-878.	3.5	6
61	Direct visualization of telomeric DNA loops in cells by AFM. <i>Surface and Interface Analysis</i> , 2001, 32, 32-37.	1.8	6
62	Topography investigation of water layer and self-assembled monolayer with OTS-modified AFM tips. <i>Surface and Interface Analysis</i> , 2001, 32, 275-277.	1.8	6
63	Study of β -amyloid adsorption and aggregation on graphite by STM and AFM. <i>Science Bulletin</i> , 2003, 48, 437-440.	1.7	6
64	Controlled assembly of copper phthalocyanine with 1-iodooctadecane. <i>Science Bulletin</i> , 2003, 48, 1519-1524.	1.7	5
65	AFM as a surface probe "beyond structural information. <i>Surface and Interface Analysis</i> , 1999, 28, 44-48.	1.8	4
66	Detection of shear force with a piezoelectric bimorph cantilever for scanning near-field optical microscopy. <i>Surface and Interface Analysis</i> , 2001, 32, 289-292.	1.8	4
67	Circular dichroism spectra of different structures formed by the oligonucleotides. <i>Science Bulletin</i> , 1998, 43, 1456-1460.	1.7	3
68	Investigation of various structures of DNA molecules (III). <i>Science in China Series C: Life Sciences</i> , 1999, 42, 136-140.	1.3	3
69	Molecular Mechanics Study of the Inclusion of Trimethylbenzene Isomers in β -Cyclodextrin. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2000, 37, 273-279.	1.6	3
70	Circular dichroism spectroscopic studies on structures formed by telomeric DNA sequences in vitro. <i>Science Bulletin</i> , 2000, 45, 1959-1963.	1.7	3
71	STM observation of 1,3,5-triazines bearing rod-like benzeneazophthalene moieties monolayers self-assembled on graphite surface. Electronic supplementary information (ESI) available: experimental details for the preparation of compounds 2a-c, mass and IR spectra of 3a-c and 4a-c, and ^1H NMR spectra of 4a-c. See http://www.rsc.org/suppdata/jm/b2/b200043c/ . <i>Journal of Materials Chemistry</i> , 2002, 12, 1239-1241.	6.7	3
72	Structure of self-assembled monolayer of NPAN on Au(111) electrode. <i>Science Bulletin</i> , 2003, 48, 1952-1955.	1.7	3

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73	Synthesis of a novel axially chiral amphiphile and study on its assembly behavior in two and three dimensions. Electronic supplementary information (ESI) available: experimental details. See http://www.rsc.org/suppdata/cc/b3/b302572a/ . Chemical Communications, 2003, , 1498.	4.1	3
74	Production of an ultracold mixture of $^{23}\text{Na}^{40}\text{K}$ and ^{40}K . Science China: Physics, Mechanics and Astronomy, 2022, 65, 1.	5.1	3
75	Atomic force microscopy observation of the condensates of the spermidine-DNA complexes. Science in China Series B: Chemistry, 1998, 41, 418-423.	0.8	2
76	Intermolecular forces between acetylcholine and acetylcholinesterases studied with atomic force microscopy. Science in China Series B: Chemistry, 1999, 42, 449-457.	0.8	2
77	Fractal structure and fractal dimension determination at nanometer scale. Science in China Series A: Mathematics, 1999, 42, 965-972.	0.5	2
78	Formation of domain structure of erythrocyte membrane in Wistar rat fed with CeCl_3 per os. Science Bulletin, 2000, 45, 426-429.	1.7	2
79	Visualization of reconstituted solenoid chromatin structure by tapping mode atomic force microscopy. Surface and Interface Analysis, 2001, 32, 20-26.	1.8	2
80	Internationale Zusammenarbeit ist Trumpf, auch bei der chinesischen Akademie der Wissenschaften. Angewandte Chemie, 2012, 124, 4318-4320.	2.0	2
81	Gadofullerene nanoparticles extend survival rate and down-regulate thrombin expression in orthotopic pancreatic cancer. Science China Materials, 2022, 65, 508-517.	6.3	2
82	Effect of loop on the stability of intramolecular triplex DNA. Science in China Series B: Chemistry, 1997, 40, 650-656.	0.8	1
83	Influence of low energy ballistic electron on the transmittance properties of Au/Si interface studied by ballistic-electron-emission microscope. Science Bulletin, 1997, 42, 1282-1286.	1.7	1
84	STM studies on adsorbed liquid crystal on HOPG. Science in China Series B: Chemistry, 1998, 41, 640-645.	0.8	1
85	Effect of Selective Substitution of 5-Bromocytosine on Conformation of DNA Triple Helices. Journal of Biomolecular Structure and Dynamics, 1998, 15, 895-903.	3.5	1
86	Atomic force microscopy reveals the local ordering characteristics of nucleosomal chain from cell. Surface and Interface Analysis, 2001, 32, 38-42.	1.8	1
87	Molecular organization of diolefinic compounds observed with scanning tunnelling microscopy. Surface and Interface Analysis, 2001, 32, 262-265.	1.8	1
88	Towards total dissolution of full length unmodified carbon nanotubes (CNT) and its application to fabrication of ultra-thin CNT films at the water/air interface. Journal of Materials Chemistry, 2003, 13, 1244.	6.7	1
89	Novel Structure of Fullerenes and Endohedral Fullerenes. Materials Research Society Symposia Proceedings, 2003, 775, 1031.	0.1	1
90	THE INVESTIGATIONS OF DIFFERENT NPP CRYSTAL SURFACE STRUCTURES BY AFM. Journal of Nonlinear Optical Physics and Materials, 1994, 03, 45-53.	1.8	0

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91	Formation and characteristics of an unusual λ -DNA species. IUBMB Life, 1997, 43, 541-549.	3.4	0
92	Structural Studies on Host + Guest Recognition Sensory Systems. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 1998, 31, 197-204.	1.6	0
93	Influence of loop sequence on relative stability of bimolecular triplex DNA. Science in China Series C: Life Sciences, 1998, 41, 381-386.	1.3	0
94	Theoretical studies on intratriplex DNA with 5-bromocytosine. Science in China Series B: Chemistry, 1998, 41, 646-651.	0.8	0
95	Dynamic evolution of adhesion force between protein films studied by atomic force microscope. Science Bulletin, 1998, 43, 1882-1886.	1.7	0
96	Electron-induced gasification reactions in the fabrication process on graphite surface using scanning tunneling microscopy. Journal of Applied Physics, 1999, 86, 2342-2345.	2.5	0
97	Assemble four-arm DNA junctions into nanoweb. Science Bulletin, 2001, 46, 1618-1621.	1.7	0
98	2D self-assembling of 4, 5-didodecylthiophthalonitrile on graphite surface. Science Bulletin, 2003, 48, 742-745.	1.7	0
99	Formation and structural transition of molecular self-assembly on solid surface investigated by STM. , 2010, , .		0
100	Adsorption of Aromatic Molecules at Solid/Liquid Interface Investigated by Electrochemical STM. Hyomen Kagaku, 2003, 24, 726-733.	0.0	0