

Gang Wei

List of Publications by Year in descending order

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162
papers

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22153

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165
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times ranked

11752
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#	ARTICLE	IF	CITATIONS
1	Biom mineralization of ZrO ₂ nanoparticles on graphene oxide-supported peptide/cellulose binary nanofibrous membranes for high-performance removal of fluoride ions. <i>Chemical Engineering Journal</i> , 2022, 430, 132721.	12.7	28
2	Metal-organic frameworks functionalized with nucleic acids and amino acids for structure- and function-specific applications: A tutorial review. <i>Chemical Engineering Journal</i> , 2022, 428, 131118.	12.7	63
3	Recent advances in the hybridization of cellulose and carbon nanomaterials: Interactions, structural design, functional tailoring, and applications. <i>Carbohydrate Polymers</i> , 2022, 279, 118947.	10.2	55
4	Biomass vs inorganic and plastic-based aerogels: Structural design, functional tailoring, resource-efficient applications and sustainability analysis. <i>Progress in Materials Science</i> , 2022, 125, 100915.	32.8	73
5	Tailoring Peptide Self-Assembly and Formation of 2D Nanoribbons on Mica and HOPG Surface. <i>Materials</i> , 2022, 15, 310.	2.9	4
6	Two-dimensional material-based functional aerogels for treating hazards in the environment: synthesis, functional tailoring, applications, and sustainability analysis. <i>Nanoscale Horizons</i> , 2022, 7, 112-140.	8.0	30
7	The Combination of Two-Dimensional Nanomaterials with Metal Oxide Nanoparticles for Gas Sensors: A Review. <i>Nanomaterials</i> , 2022, 12, 982.	4.1	111
8	Two-Dimensional Material-Based Electrochemical Sensors/Biosensors for Food Safety and Biomolecular Detection. <i>Biosensors</i> , 2022, 12, 314.	4.7	103
9	Graphene-Based Functional Hybrid Membranes for Antimicrobial Applications: A Review. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4834.	2.5	10
10	Biomimetic Organic-Inorganic Hybrid Membranes for Removal of Fluoride Ions. <i>Materials</i> , 2022, 15, 3457.	2.9	2
11	Facile synthesis of hierarchical Ti ₃ C ₂ @FeOOH nanocomposites for antimony contaminated wastewater treatment: Performance, mechanisms, reutilization, and sustainability. <i>Chemical Engineering Journal</i> , 2022, 450, 138038.	12.7	14
12	When MoS ₂ meets TiO ₂ : facile synthesis strategies, hybrid nanostructures, synergistic properties, and photocatalytic applications. <i>Journal of Materials Chemistry C</i> , 2021, 9, 8466-8482.	5.5	18
13	Two-Dimensional Material-Based Colorimetric Biosensors: A Review. <i>Biosensors</i> , 2021, 11, 259.	4.7	78
14	Recent advance in the fabrication of carbon nanofiber-based composite materials for wearable devices. <i>Nanotechnology</i> , 2021, 32, 442001.	2.6	20
15	Supramolecular peptide nano-assemblies for cancer diagnosis and therapy: from molecular design to material synthesis and function-specific applications. <i>Journal of Nanobiotechnology</i> , 2021, 19, 253.	9.1	30
16	Recent Advances in the Fabrication and Environmental Science Applications of Cellulose Nanofibril-Based Functional Materials. <i>Materials</i> , 2021, 14, 5390.	2.9	10
17	On the design, functions, and biomedical applications of high-throughput dielectrophoretic micro-/nanoplatfoms: a review. <i>Nanoscale</i> , 2021, 13, 4330-4358.	5.6	24
18	Electrospun nanomaterials as biosensors in diagnostics and beyond. , 2021, , 157-182.		0

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19	Recent Advance in the Fabrication of 2D and 3D Metal Carbides-Based Nanomaterials for Energy and Environmental Applications. <i>Nanomaterials</i> , 2021, 11, 246.	4.1	34
20	Peptide-Engineered Fluorescent Nanomaterials: Structure Design, Function Tailoring, and Biomedical Applications. <i>Small</i> , 2021, 17, e2005578.	10.0	31
21	Stimulus-responsive nanomaterials under physical regulation for biomedical applications. <i>Journal of Materials Chemistry B</i> , 2021, 9, 9642-9657.	5.8	10
22	Green synthesis and fabrication of an electrochemical and colorimetric sensor based on self-assembled peptide-Au nanofibril architecture. <i>Arabian Journal of Chemistry</i> , 2020, 13, 1406-1414.	4.9	23
23	Biomimetic two-dimensional nanozymes: synthesis, hybridization, functional tailoring, and biosensor applications. <i>Journal of Materials Chemistry B</i> , 2020, 8, 10065-10086.	5.8	69
24	One-Pot, In-Situ Synthesis of 8-Armed Poly(Ethylene Glycol)-Coated Ag Nanoclusters as a Fluorescent Sensor for Selective Detection of Cu ²⁺ . <i>Biosensors</i> , 2020, 10, 131.	4.7	11
25	Production, structural design, functional control, and broad applications of carbon nanofiber-based nanomaterials: A comprehensive review. <i>Chemical Engineering Journal</i> , 2020, 402, 126189.	12.7	136
26	Recent Advances in the Construction of Flexible Sensors for Biomedical Applications. <i>Biotechnology Journal</i> , 2020, 15, e2000094.	3.5	27
27	Self-assembly formation of peptide and protein nanofibers on surfaces and at interfaces. , 2020, , 23-39.		2
28	Characterization techniques of protein and peptide nanofibers: Self-assembly kinetics. , 2020, , 99-118.		1
29	Carbon nanofiber-based three-dimensional nanomaterials for energy and environmental applications. <i>Materials Advances</i> , 2020, 1, 2163-2181.	5.4	77
30	Recent advances in the design of colorimetric sensors for environmental monitoring. <i>Environmental Science: Nano</i> , 2020, 7, 2195-2213.	4.3	206
31	Fabrication, Properties, Performances, and Separation Application of Polymeric Pervaporation Membranes: A Review. <i>Polymers</i> , 2020, 12, 1466.	4.5	39
32	Graphene Foams for Electromagnetic Interference Shielding: A Review. <i>ACS Applied Nano Materials</i> , 2020, 3, 6140-6155.	5.0	87
33	Recent advances in the fabrication, functionalization, and bioapplications of peptide hydrogels. <i>Soft Matter</i> , 2020, 16, 10029-10045.	2.7	71
34	Enzyme-mediated reversible deactivation radical polymerization for functional materials: principles, synthesis, and applications. <i>Polymer Chemistry</i> , 2020, 11, 1673-1690.	3.9	17
35	Single-molecule force spectroscopy: A facile technique for studying the interactions between biomolecules and materials interfaces. <i>Reviews in Analytical Chemistry</i> , 2020, 39, 116-129.	3.2	6
36	Synthesis of Three-Dimensional Graphene-Based Hybrid Materials for Water Purification: A Review. <i>Nanomaterials</i> , 2019, 9, 1123.	4.1	65

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37	Carbon Nanofiber-Based Functional Nanomaterials for Sensor Applications. <i>Nanomaterials</i> , 2019, 9, 1045.	4.1	103
38	Biomimetic Hydroxyapatite on Graphene Supports for Biomedical Applications: A Review. <i>Nanomaterials</i> , 2019, 9, 1435.	4.1	31
39	Facile Fabrication of a Low-Cost Alginate-Polyacrylamide Composite Aerogel for the Highly Efficient Removal of Lead Ions. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4754.	2.5	4
40	Special Issue on "New Materials and Techniques for Environmental Science". <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3515.	2.5	0
41	Electrospinning Nanoparticles-Based Materials Interfaces for Sensor Applications. <i>Sensors</i> , 2019, 19, 3977.	3.8	48
42	Bio-interfactants as double-sided tapes for graphene oxide. <i>Nanoscale</i> , 2019, 11, 4236-4247.	5.6	5
43	Force spectroscopic detection of peptide cleavage by thrombin exploiting biotin-streptavidin interactions in a bio-sensing context. <i>Analytical Methods</i> , 2019, 11, 1102-1110.	2.7	5
44	Hierarchical nanomaterials <i>via</i> biomolecular self-assembly and bioinspiration for energy and environmental applications. <i>Nanoscale</i> , 2019, 11, 4147-4182.	5.6	122
45	Polyurethane-Supported Graphene Oxide Foam Functionalized with Carbon Dots and TiO ₂ Particles for Photocatalytic Degradation of Dyes. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 293.	2.5	19
46	Biomedical and bioactive engineered nanomaterials for targeted tumor photothermal therapy: A review. <i>Materials Science and Engineering C</i> , 2019, 104, 109891.	7.3	179
47	Adamantane-Modified Graphene Oxide for Cyanate Ester Resin Composites with Improved Properties. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 881.	2.5	8
48	Facile synthesis of tri(octyl-decyl) amine-modified biomass carbonaceous aerogel for rapid adsorption and removal of iodine ions. <i>Chemical Engineering Research and Design</i> , 2019, 144, 228-236.	5.6	8
49	Removing Metal Ions from Water with Graphene-Bovine Serum Albumin Hybrid Membrane. <i>Nanomaterials</i> , 2019, 9, 276.	4.1	23
50	Controlling the Self-Assembly of Biomolecules into Functional Nanomaterials through Internal Interactions and External Stimulations: A Review. <i>Nanomaterials</i> , 2019, 9, 285.	4.1	99
51	The design and biomedical applications of self-assembled two-dimensional organic biomaterials. <i>Chemical Society Reviews</i> , 2019, 48, 5564-5595.	38.1	110
52	Graphene-based aptasensors: from molecule-interface interactions to sensor design and biomedical diagnostics. <i>Analyst</i> , 2018, 143, 1526-1543.	3.5	82
53	Three-dimensional porous reduced graphene oxide decorated with MoS ₂ quantum dots for electrochemical determination of hydrogen peroxide. <i>Materials Today Chemistry</i> , 2018, 7, 76-83.	3.5	48
54	Protein Handshake on the Nanoscale: How Albumin and Hemoglobin Self-Assemble into Nanohybrid Fibers. <i>ACS Nano</i> , 2018, 12, 1211-1219.	14.6	34

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55	Gold nanocluster embedded bovine serum albumin nanofibers-graphene hybrid membranes for the efficient detection and separation of mercury ion. <i>Chemical Engineering Journal</i> , 2018, 335, 176-184.	12.7	59
56	2D transition metal dichalcogenide nanosheets for photo/thermo-based tumor imaging and therapy. <i>Nanoscale Horizons</i> , 2018, 3, 74-89.	8.0	126
57	Protein-mimetic peptide nanofibers: Motif design, self-assembly synthesis, and sequence-specific biomedical applications. <i>Progress in Polymer Science</i> , 2018, 80, 94-124.	24.7	145
58	Electrochemical sensor based on novel two-dimensional nanohybrids: MoS ₂ nanosheets conjugated with organic copper nanowires for simultaneous detection of hydrogen peroxide and ascorbic acid. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 112-119.	6.0	33
59	Recent Advances in the Cancer Bioimaging with Graphene Quantum Dots. <i>Current Medicinal Chemistry</i> , 2018, 25, 2876-2893.	2.4	43
60	Reduced Graphene Oxide-Based Double Network Polymeric Hydrogels for Pressure and Temperature Sensing. <i>Sensors</i> , 2018, 18, 3162.	3.8	19
61	Motif-Tailoring Enriches the Biofunctions of Self-assembled Peptide Superstructures. <i>Current Organic Chemistry</i> , 2018, 22, 1947-1948.	1.6	3
62	Graphene-based nanoplatfoms for surface-enhanced Raman scattering sensing. <i>Analyst, The</i> , 2018, 143, 5074-5089.	3.5	50
63	Biomimetic Ultralight, Highly Porous, Shape-Adjustable, and Biocompatible 3D Graphene Minerals via Incorporation of Self-Assembled Peptide Nanosheets. <i>Advanced Functional Materials</i> , 2018, 28, 1801056.	14.9	65
64	Exposed high-energy facets in ultradispersed sub-10 nm SnO ₂ nanocrystals anchored on graphene for pseudocapacitive sodium storage and high-performance quasi-solid-state sodium-ion capacitors. <i>NPG Asia Materials</i> , 2018, 10, 429-440.	7.9	50
65	Recent Advances in Nanoporous Membranes for Water Purification. <i>Nanomaterials</i> , 2018, 8, 65.	4.1	136
66	Simulated and experimental force spectroscopy of lysozyme on silica. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 19595-19605.	2.8	11
67	Label-free determination of adenosine and mercury ions according to force mapping-based force-to-color variety. <i>Analyst, The</i> , 2018, 143, 4400-4407.	3.5	8
68	Surface-bioengineered Gold Nanoparticles for Biomedical Applications. <i>Current Medicinal Chemistry</i> , 2018, 25, 1920-1944.	2.4	44
69	Electrospinning design of functional nanostructures for biosensor applications. <i>Journal of Materials Chemistry B</i> , 2017, 5, 1699-1711.	5.8	156
70	Technical synthesis and biomedical applications of graphene quantum dots. <i>Journal of Materials Chemistry B</i> , 2017, 5, 4811-4826.	5.8	151
71	Sequence-Designed Peptide Nanofibers Bridged Conjugation of Graphene Quantum Dots with Graphene Oxide for High Performance Electrochemical Hydrogen Peroxide Biosensor. <i>Advanced Materials Interfaces</i> , 2017, 4, 1600895.	3.7	64
72	Self-assembling peptide and protein amyloids: from structure to tailored function in nanotechnology. <i>Chemical Society Reviews</i> , 2017, 46, 4661-4708.	38.1	670

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73	Thermosensitive polymeric micelles based on the triblock copolymer poly(<i>l</i> -lactide)- <i>b</i> -poly(<i>N</i> -isopropyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 742 Td (acrylamide) Polymer Science, 2017, 134, 45304.	2.6	15
74	Design, fabrication, and biomedical applications of bioinspired peptide-inorganic nanomaterial hybrids. Journal of Materials Chemistry B, 2017, 5, 1130-1142.	5.8	59
75	Adsorption of DNA Fragments at Aqueous Graphite and Au(111) via Integration of Experiment and Simulation. Langmuir, 2017, 33, 10193-10204.	3.5	22
76	Porous two-dimensional materials for energy applications: Innovations and challenges. Materials Today Energy, 2017, 6, 79-95.	4.7	59
77	Supramolecular Self-Assembly Bioinspired Synthesis of Luminescent Gold Nanocluster-Embedded Peptide Nanofibers for Temperature Sensing and Cellular Imaging. Bioconjugate Chemistry, 2017, 28, 2224-2229.	3.6	101
78	Designed graphene-peptide nanocomposites for biosensor applications: A review. Analytica Chimica Acta, 2017, 985, 24-40.	5.4	133
79	Growth and structure of ultrathin praseodymium oxide layers on ruthenium(0001). Physical Chemistry Chemical Physics, 2017, 19, 3480-3485.	2.8	12
80	Irreversible Damage of Polymer Membranes During Attenuated Total Reflection Infrared Analysis. Applied Spectroscopy, 2017, 71, 1127-1133.	2.2	7
81	Recent Advances in the Synthesis of Graphene-Based Nanomaterials for Controlled Drug Delivery. Applied Sciences (Switzerland), 2017, 7, 1175.	2.5	63
82	Electrostatic Assembly of Platinum Nanoparticles along Electrospun Polymeric Nanofibers for High Performance Electrochemical Sensors. Nanomaterials, 2017, 7, 236.	4.1	18
83	Bottom-Up Synthesis and Sensor Applications of Biomimetic Nanostructures. Materials, 2016, 9, 53.	2.9	49
84	Nanoscale Graphene Doped with Highly Dispersed Silver Nanoparticles: Quick Synthesis, Facile Fabrication of 3D Membrane-Modified Electrode, and Super Performance for Electrochemical Sensing. Advanced Functional Materials, 2016, 26, 2122-2134.	14.9	135
85	Fast preparation of MoS ₂ nanoflowers decorated with platinum nanoparticles for electrochemical detection of hydrogen peroxide. RSC Advances, 2016, 6, 52739-52745.	3.6	53
86	Ultrasoother Ru(0001) Films as Templates for Ceria Nanoarchitectures. Crystal Growth and Design, 2016, 16, 4216-4224.	3.0	15
87	When biomolecules meet graphene: from molecular level interactions to material design and applications. Nanoscale, 2016, 8, 19491-19509.	5.6	194
88	One-step hydrothermal synthesis, characterization, and electrochemical sensor application of ternary Mn-Mo-O hybrid materials. Sensors and Actuators B: Chemical, 2016, 236, 450-458.	7.8	6
89	Rapid Preparation of Crosslinked N-doped Graphene by Burning Method for High-Performance Electrochemical Capacitors. Electrochimica Acta, 2016, 192, 243-250.	5.2	12
90	AFM-based force spectroscopy for bioimaging and biosensing. RSC Advances, 2016, 6, 12893-12912.	3.6	56

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91	Motifâ€Designed Peptide Nanofibers Decorated with Graphene Quantum Dots for Simultaneous Targeting and Imaging of Tumor Cells. <i>Advanced Functional Materials</i> , 2015, 25, 5472-5478.	14.9	128
92	Nanoporous Carbon Nanofibers Decorated with Platinum Nanoparticles for Non-Enzymatic Electrochemical Sensing of H ₂ O ₂ . <i>Nanomaterials</i> , 2015, 5, 1891-1905.	4.1	53
93	A novel aptasensor based on single-molecule force spectroscopy for highly sensitive detection of mercury ions. <i>Analyst, The</i> , 2015, 140, 5243-5250.	3.5	29
94	Electrospinning graphene quantum dots into a nanofibrous membrane for dual-purpose fluorescent and electrochemical biosensors. <i>Journal of Materials Chemistry B</i> , 2015, 3, 2487-2496.	5.8	195
95	Recent advances in the fabrication and structure-specific applications of graphene-based inorganic hybrid membranes. <i>Nanoscale</i> , 2015, 7, 5080-5093.	5.6	116
96	Estimation of the free energy of adsorption of a polypeptide on amorphous SiO ₂ from molecular dynamics simulations and force spectroscopy experiments. <i>Soft Matter</i> , 2015, 11, 6254-6265.	2.7	30
97	Recent advances in the synthesis and applications of grapheneâ€polymer nanocomposites. <i>Polymer Chemistry</i> , 2015, 6, 6107-6124.	3.9	237
98	MoS ₂ nanosheets decorated with gold nanoparticles for rechargeable Liâ€O ₂ batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 14562-14566.	10.3	107
99	Cuprous oxide microspheres on graphene nanosheets: an enhanced material for non-enzymatic electrochemical detection of H ₂ O ₂ and glucose. <i>RSC Advances</i> , 2015, 5, 35338-35345.	3.6	79
100	Label-Free Sensing of Adenosine Based on Force Variations Induced by Molecular Recognition. <i>Biosensors</i> , 2015, 5, 85-97.	4.7	13
101	A facile fabrication of large-scale reduced graphene oxideâ€silver nanoparticle hybrid film as a highly active surface-enhanced Raman scattering substrate. <i>Journal of Materials Chemistry C</i> , 2015, 3, 4126-4133.	5.5	91
102	Self-assembled peptide nanofibers on graphene oxide as a novel nanohybrid for biomimetic mineralization of hydroxyapatite. <i>Carbon</i> , 2015, 89, 20-30.	10.3	116
103	Hydrothermal synthesis of zinc oxide-reduced graphene oxide nanocomposites for an electrochemical hydrazine sensor. <i>RSC Advances</i> , 2015, 5, 22935-22942.	3.6	109
104	Graphene film doped with silver nanoparticles: self-assembly formation, structural characterizations, antibacterial ability, and biocompatibility. <i>Biomaterials Science</i> , 2015, 3, 852-860.	5.4	75
105	Optimal hydrothermal synthesis, characterization, and sensor application of sulfur-doped ⁵⁵ MnOOH microrods. <i>RSC Advances</i> , 2015, 5, 80719-80727.	3.6	15
106	Synthesis and sensor applications of MoS ₂ -based nanocomposites. <i>Nanoscale</i> , 2015, 7, 18364-18378.	5.6	202
107	Fabrication of polypyrrole nanoplates decorated with silver and gold nanoparticles for sensor applications. <i>RSC Advances</i> , 2015, 5, 69745-69752.	3.6	36
108	A highly effective reactive liquid crystal for the improved ² â€nucleation of isotactic polypropylene. <i>Polymer Engineering and Science</i> , 2014, 54, 2112-2120.	3.1	7

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109	Thermo-sensitive graphene oxide-polymer nanoparticle hybrids: synthesis, characterization, biocompatibility and drug delivery. <i>Journal of Materials Chemistry B</i> , 2014, 2, 1362.	5.8	71
110	Direct force measurements on peeling heteropolymer ssDNA from a graphite surface using single-molecule force spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 3995.	2.8	23
111	Electrostatic Assembly of Peptide Nanofiber-Biomimetic Silver Nanowires onto Graphene for Electrochemical Sensors. <i>ACS Macro Letters</i> , 2014, 3, 529-533.	4.8	117
112	Alternate layer-by-layer assembly of graphene oxide nanosheets and fibrinogen nanofibers on a silicon substrate for a biomimetic three-dimensional hydroxyapatite scaffold. <i>Journal of Materials Chemistry B</i> , 2014, 2, 7360-7368.	5.8	72
113	Biomimetic 3D hydroxyapatite architectures with interconnected pores based on electrospun biaxially orientated PCL nanofibers. <i>RSC Advances</i> , 2014, 4, 14833-14839.	3.6	41
114	Electrospun Doping of Carbon Nanotubes and Platinum Nanoparticles into the β -Phase Polyvinylidene Difluoride Nanofibrous Membrane for Biosensor and Catalysis Applications. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 7563-7571.	8.0	112
115	Interactive Oxidation-Reduction Reaction for the in Situ Synthesis of Graphene-Phenol Formaldehyde Composites with Enhanced Properties. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 4254-4263.	8.0	95
116	Electrospinning: a facile technique for fabricating polymeric nanofibers doped with carbon nanotubes and metallic nanoparticles for sensor applications. <i>RSC Advances</i> , 2014, 4, 52598-52610.	3.6	154
117	One-Step Synthesis of Large-Scale Graphene Film Doped with Gold Nanoparticles at Liquid-Air Interface for Electrochemistry and Raman Detection Applications. <i>Langmuir</i> , 2014, 30, 8980-8989.	3.5	97
118	Collagen Nanofiber-templated Silver Nanowires on Graphene Nanosheets for a Nonenzymatic Amperometric Biosensor of Hydrogen Peroxide. <i>Chemistry Letters</i> , 2014, 43, 544-546.	1.3	9
119	One-pot green synthesis, characterizations, and biosensor application of self-assembled reduced graphene-gold nanoparticle hybrid membranes. <i>Journal of Materials Chemistry B</i> , 2013, 1, 6525.	5.8	111
120	Label-free biosensing with single-molecule force spectroscopy. <i>Chemical Communications</i> , 2013, 49, 3239.	4.1	19
121	Fabrication, characterization and sensor application of electrospun polyurethane nanofibers filled with carbon nanotubes and silver nanoparticles. <i>Journal of Materials Chemistry B</i> , 2013, 1, 2415.	5.8	107
122	Synthesis, characterization and drug release application of carbon nanotube-polymer nanosphere composites. <i>RSC Advances</i> , 2013, 3, 9304.	3.6	36
123	Chain conformation, crystallization behavior, electrical and mechanical properties of electrospun polymer-carbon nanotube hybrid nanofibers with different orientations. <i>Carbon</i> , 2012, 50, 5605-5617.	10.3	63
124	Biomimetic graphene-FePt nanohybrids with high solubility, ferromagnetism, fluorescence, and enhanced electrocatalytic activity. <i>Journal of Materials Chemistry</i> , 2012, 22, 17190.	6.7	66
125	Novel 1-D biophotonic nanohybrids: protein nanofibers meet quantum dots. <i>Soft Matter</i> , 2011, 7, 2011.	2.7	15
126	Protein-Promoted Synthesis of Pt Nanoparticles on Carbon Nanotubes for Electrocatalytic Nanohybrids with Enhanced Glucose Sensing. <i>Journal of Physical Chemistry C</i> , 2011, 115, 11453-11460.	3.1	57

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127	Biomimetic growth of hydroxyapatite on super water-soluble carbon nanotube-protein hybrid nanofibers. <i>Carbon</i> , 2011, 49, 2216-2226.	10.3	59
128	Responsive Hybrid Polymeric/Metallic Nanoparticles for Catalytic Applications. <i>Macromolecular Materials and Engineering</i> , 2010, 295, 1049-1057.	3.6	70
129	Controlled assembly of protein-protected gold nanoparticles on noncovalent functionalized carbon nanotubes. <i>Carbon</i> , 2010, 48, 645-653.	10.3	47
130	Synthesis of Palladium Nanoparticles and Their Applications for Surface-Enhanced Raman Scattering and Electrocatalysis. <i>Journal of Physical Chemistry C</i> , 2010, 114, 21976-21981.	3.1	109
131	Formation and Topotactical Orientation of Fibrinogen Nanofibrils on Graphite Nanostructures. <i>Advanced Engineering Materials</i> , 2009, 11, B177.	3.5	14
132	Self-assembly of λ -DNA networks/Ag nanoparticles: Hybrid architecture and active-SERS substrate. <i>Journal of Colloid and Interface Science</i> , 2008, 317, 183-190.	9.4	33
133	Photochemical synthesis and self-assembly of gold nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 312, 148-153.	4.7	41
134	Type I collagen-templated assembly of silver nanoparticles and their application in surface-enhanced Raman scattering. <i>Nanotechnology</i> , 2008, 19, 115604.	2.6	27
135	Novel Biopolymeric Template for the Nucleation and Growth of Hydroxyapatite Crystals Based on Self-Assembled Fibrinogen Fibrils. <i>Biomacromolecules</i> , 2008, 9, 3258-3267.	5.4	70
136	Controlled self-assembly and templated metallization of fibrinogen nanofibrils. <i>Chemical Communications</i> , 2008, , 3903.	4.1	35
137	Electrochemical Detection of Short DNA Sequences Related to the Escherichia coli Pathogen Using a Zirconia-Modified Screen-Printed DNA Biosensor. <i>Australian Journal of Chemistry</i> , 2008, 61, 962.	0.9	2
138	Self-assembled Gold Nanoparticle Chains in Presence of Silver Ions. <i>Chemistry Letters</i> , 2007, 36, 142-143.	1.3	4
139	Controlled Organization of Silver Nanoparticles into Network Assemblies by Tuning pH Values. <i>Chemistry Letters</i> , 2007, 36, 610-611.	1.3	7
140	Effects of Bridge Ions, DNA Species, and Developing Temperature on Flat-Lying DNA Monolayers. <i>Journal of Physical Chemistry B</i> , 2007, 111, 461-468.	2.6	20
141	Type I Collagen-Mediated Synthesis and Assembly of UV-Photoreduced Gold Nanoparticles and Their Application in Surface-Enhanced Raman Scattering. <i>Journal of Physical Chemistry C</i> , 2007, 111, 1976-1982.	3.1	53
142	Large-scale, Uniform DNA Network on 11-mercaptopundecanoic Acid Modified Gold (111) Surface: Atomic Force Microscopy Study. <i>Microscopy Research and Technique</i> , 2007, 70, 572-577.	2.2	8
143	Electrostatic assembly of protein lysozyme on DNA visualized by atomic force microscopy. <i>Applied Surface Science</i> , 2007, 253, 4311-4316.	6.1	11
144	A Novel Strategy to Construct a Flat-Lying DNA Monolayer on a Mica Surface. <i>Journal of Physical Chemistry B</i> , 2006, 110, 10792-10798.	2.6	45

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145	Electrostatic assembly of Cu ₂ O nanoparticles on DNA templates. <i>Applied Surface Science</i> , 2006, 252, 2711-2716.	6.1	39
146	Fabrication of silver nanoparticles ring templated by plasmid DNA. <i>Applied Surface Science</i> , 2006, 252, 4969-4974.	6.1	22
147	Solution-phase synthesis of Au@ZnO core-shell composites. <i>Materials Letters</i> , 2006, 60, 1291-1295.	2.6	35
148	Manipulation, dissection, and lithography using modified tapping mode atomic force microscope. <i>Microscopy Research and Technique</i> , 2006, 69, 998-1004.	2.2	38
149	Self-assembly of cinnamic acid-capped gold nanoparticles. <i>Nanotechnology</i> , 2006, 17, 2907-2912.	2.6	32
150	A simple method for the preparation of ultrahigh sensitivity surface enhanced Raman scattering (SERS) active substrate. <i>Applied Surface Science</i> , 2005, 240, 260-267.	6.1	43
151	Observation of the mica surface by atomic force microscopy. <i>Micron</i> , 2005, 36, 525-531.	2.2	19
152	Electrostatic assembly of CTAB-capped silver nanoparticles along predefined DNA template. <i>Applied Surface Science</i> , 2005, 252, 1189-1196.	6.1	39
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155	Mechanically engraved mica surface using the atomic force microscope tip facilitates return to a specific sample location. <i>Microscopy Research and Technique</i> , 2005, 66, 156-162.	2.2	9
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