

Chuanbin Mao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6291851/publications.pdf>

Version: 2024-02-01

272
papers

17,348
citations

12330

69
h-index

18130

120
g-index

295
all docs

295
docs citations

295
times ranked

19974
citing authors

#	ARTICLE	IF	CITATIONS
1	Aggregated carbon dots-loaded macrophages treat sepsis by eliminating multidrug-resistant bacteria and attenuating inflammation. <i>Aggregate</i> , 2023, 4, .	9.9	17
2	Neural mechanism mimetic selective electronic nose based on programmed M13 bacteriophage. <i>Biosensors and Bioelectronics</i> , 2022, 196, 113693.	10.1	18
3	Protein nanoparticles directed cancer imaging and therapy. <i>Nano Convergence</i> , 2022, 9, 2.	12.1	26
4	Advances in the Development of Phage-Based Probes for Detection of Bio-Species. <i>Biosensors</i> , 2022, 12, 30.	4.7	16
5	Establishment of a Knowledge-and-Data-Driven Artificial Intelligence System with Robustness and Interpretability in Laboratory Medicine. <i>Advanced Intelligent Systems</i> , 2022, 4, .	6.1	3
6	T7 Phage as an Emerging Nanobiomaterial with Genetically Tunable Target Specificity. <i>Advanced Science</i> , 2022, 9, e2103645.	11.2	27
7	Emulating interactions between microorganisms and tumor microenvironment to develop cancer theranostics. <i>Theranostics</i> , 2022, 12, 2833-2859.	10.0	15
8	3D Knee Kinematic Parameters Effectively Diagnose Knee Osteoarthritis and Assess Its Therapeutic Strategy. <i>Advanced Intelligent Systems</i> , 2022, 4, .	6.1	1
9	Detection, prevention and treatment of COVID-19 and opportunities for nanobiotechnology. <i>View</i> , 2022, 3, .	5.3	8
10	Highly Effective Stroke Therapy Enabled by Genetically Engineered Viral Nanofibers. <i>Advanced Materials</i> , 2022, 34, e2201210.	21.0	20
11	Bionanoparticles in cancer imaging, diagnosis, and treatment. <i>View</i> , 2022, 3, .	5.3	40
12	New Insights for Biosensing: Lessons from Microbial Defense Systems. <i>Chemical Reviews</i> , 2022, 122, 8126-8180.	47.7	15
13	Highly effective rheumatoid arthritis therapy by peptide-promoted nanomodification of mesenchymal stem cells. <i>Biomaterials</i> , 2022, 283, 121474.	11.4	9
14	Binding Peptide-Promoted Biofunctionalization of Graphene Paper with Hydroxyapatite for Stimulating Osteogenic Differentiation of Mesenchymal Stem Cells. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 350-360.	8.0	7
15	Polyethyleneimine-Enabled Tunable Electrostatic Nanoparticle Assemblies on Ultrathin Protein Nanofibers for Plasmonics-Based Solar Energy Harvesting. <i>ACS Applied Nano Materials</i> , 2022, 5, 832-839.	5.0	2
16	Monitoring cardiovascular disease severity using near-infrared mechanoluminescent materials as a built-in indicator. <i>Materials Horizons</i> , 2022, 9, 1658-1669.	12.2	17
17	Exploring phage engineering to advance nanobiotechnology. <i>Materials Today Nano</i> , 2022, 19, 100229.	4.6	3
18	Phage-Derived Oncolytic Viruses with 3C from Seneca Valley Virus for Targeted Therapy of Cervical Cancer. <i>Advanced Therapeutics</i> , 2022, 5, .	3.2	0

#	ARTICLE	IF	CITATIONS
19	Understanding the interactions between bone mineral crystals and their binding peptides derived from filamentous phage. <i>Materials Today Advances</i> , 2022, 15, 100263.	5.2	3
20	High quantum efficiency and stability of biohybrid quantum dots nanojunctions in bacteriophage-constructed perovskite. <i>Materials Today Nano</i> , 2021, 13, 100099.	4.6	9
21	Laser-controlled projection of quantum dot dipoles using metal-oxide plasmonic metastructures: maintaining spin polarization memory. <i>Journal of Materials Chemistry C</i> , 2021, 9, 14269-14277.	5.5	3
22	3D Bacterial flagella as both synthetic biotemplates and ultrathin spacers for enhanced inter-particle coupling and solar energy harvesting. <i>Materials Horizons</i> , 2021, 8, 2097-2105.	12.2	9
23	Biomimetic Mineralization Directed by Prenucleated Calcium and Phosphorus Nanoclusters Improving Mechanical Properties and Osteogenic Potential of <i>Antheraea pernyi</i> Silk Fibroin-Based Artificial Periosteum. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001695.	7.6	13
24	Weak Electrostatic Interaction Enabled Highly Oriented Assembly of Gold Nanorods onto Ultrathin Flagella Bionanofibers. <i>Small Structures</i> , 2021, 2, 2000121.	12.0	5
25	High-throughput screening and rational design of biofunctionalized surfaces with optimized biocompatibility and antimicrobial activity. <i>Nature Communications</i> , 2021, 12, 3757.	12.8	20
26	Naked-eye counting of pathogenic viruses by phage-gold nanobiomaterials as probes. <i>Materials Today Advances</i> , 2021, 10, 100122.	5.2	6
27	Establishment of a Machine Learning Model for Early and Differential Diagnosis of Pancreatic Ductal Adenocarcinoma Using Laboratory Routine Data. <i>Advanced Intelligent Systems</i> , 2021, 3, 2100033.	6.1	6
28	Quantifying contrast of latent fingerprints developed by fluorescent nanomaterials based on spectral analysis. <i>Talanta</i> , 2021, 231, 122138.	5.5	11
29	Biomimetic Nucleation of Metal-Organic Frameworks on Silk Fibroin Nanoparticles for Designing Core-Shell-Structured pH-Responsive Anticancer Drug Carriers. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 47371-47381.	8.0	20
30	Simultaneous ultrasensitive detection of two breast cancer microRNA biomarkers by using a dual nanoparticle/nanosheet fluorescence resonance energy transfer sensor. <i>Materials Today Advances</i> , 2021, 12, 100163.	5.2	8
31	Biomimetic cartilage-lubricating polymers regenerate cartilage in rats with early osteoarthritis. <i>Nature Biomedical Engineering</i> , 2021, 5, 1189-1201.	22.5	67
32	Detection of a single circulating tumor cell using a genetically engineered antibody-like phage nanofiber probe. <i>Materials Today Advances</i> , 2021, 12, 100168.	5.2	6
33	Arginine induces protein self-assembly into nanofibers for triggering osteogenic differentiation of stem cells. <i>Journal of Materials Chemistry B</i> , 2021, 9, 9764-9769.	5.8	2
34	Immunotherapy for Tumor Metastasis by Artificial Antigen-Presenting Cells via Targeted Microenvironment Regulation and T-Cell Activation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 55890-55901.	8.0	16
35	Rapid Naked-Eye Detection of a Liver Disease Biomarker by Discovering Its Monoclonal Antibody to Functionalize Engineered Red-Colored Bacteria Probes. <i>ACS Omega</i> , 2021, 6, 32005-32010.	3.5	0
36	Construction of tissue-customized hydrogels from cross-linkable materials for effective tissue regeneration. <i>Journal of Materials Chemistry B</i> , 2021, , .	5.8	12

#	ARTICLE	IF	CITATIONS
37	Circâ€MALAT1 Functions as Both an mRNA Translation Brake and a microRNA Sponge to Promote Selfâ€Renewal of Hepatocellular Cancer Stem Cells. <i>Advanced Science</i> , 2020, 7, 1900949.	11.2	74
38	Molecular recognition-directed site-specific release of stem cell differentiation inducers for enhanced joint repair. <i>Biomaterials</i> , 2020, 232, 119644.	11.4	45
39	On-demand storage and release of antimicrobial peptides using Pandora's box-like nanotubes gated with a bacterial infection-responsive polymer. <i>Theranostics</i> , 2020, 10, 109-122.	10.0	68
40	HIF-1Î±-Mediated Mitophagy Determines ZnO Nanoparticle-Induced Human Osteosarcoma Cell Death both In Vitro and In Vivo. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 48296-48309.	8.0	34
41	Sensitive protein detection and visualization using proteinâ€binding peptides. <i>Microscopy Research and Technique</i> , 2020, 83, 1165-1170.	2.2	0
42	Dual-mode fluorescent development of latent fingerprints using NaYbF ₄ :Tm upconversion nanomaterials. <i>Materials Today Advances</i> , 2020, 8, 100113.	5.2	16
43	Human Mesenchymal Stem Cell Derived Exosomes Enhance Cellâ€Free Bone Regeneration by Altering Their miRNAs Profiles. <i>Advanced Science</i> , 2020, 7, 2001334.	11.2	144
44	Aptamer-modified sensitive nanobiosensors for the specific detection of antibiotics. <i>Journal of Materials Chemistry B</i> , 2020, 8, 8607-8613.	5.8	42
45	Functional reconstruction of injured corpus cavernosa using 3D-printed hydrogel scaffolds seeded with HIF-1Î±-expressing stem cells. <i>Nature Communications</i> , 2020, 11, 2687.	12.8	43
46	Selectively Suppressing Tumor Angiogenesis for Targeted Breast Cancer Therapy by Genetically Engineered Phage. <i>Advanced Materials</i> , 2020, 32, e2001260.	21.0	40
47	Peptide SMIM30 promotes HCC development by inducing SRC/YES1 membrane anchoring and MAPK pathway activation. <i>Journal of Hepatology</i> , 2020, 73, 1155-1169.	3.7	111
48	Low Expression of Smurf1 Enhances the Chemosensitivity of Human Colorectal Cancer to Gemcitabine and Cisplatin in Patient-Derived Xenograft Models. <i>Translational Oncology</i> , 2020, 13, 100804.	3.7	6
49	Green Gas-Mediated Cross-Linking Generates Biomolecular Hydrogels with Enhanced Strength and Excellent Hemostasis for Wound Healing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 13622-13633.	8.0	76
50	Phage nanofibers in nanomedicine: Biopanning for early diagnosis, targeted therapy, and proteomics analysis. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2020, 12, e1623.	6.1	12
51	Transcriptomic analysis reveals that IL-1R8/Sigirr is a novel macrophage migration regulator and suppresses macrophage proliferation through p38 MAPK signaling pathway. <i>Biomedicine and Pharmacotherapy</i> , 2020, 124, 109846.	5.6	6
52	Methylation Status of the <i>Nanog</i> Promoter Determines the Switch between Cancer Cells and Cancer Stem Cells. <i>Advanced Science</i> , 2020, 7, 1903035.	11.2	29
53	Plasmonic Hotâ€Electronâ€Induced Control of Emission Intensity and Dynamics of Visible and Infrared Semiconductor Quantum Dots. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901998.	3.7	4
54	Quantification of silk protein using phage nanofibers with high binding specificity. <i>Journal of Materials Chemistry B</i> , 2020, 8, 5189-5194.	5.8	6

#	ARTICLE	IF	CITATIONS
55	Wet-adhesive, haemostatic and antimicrobial bilayered composite nanosheets for sealing and healing soft-tissue bleeding wounds. <i>Biomaterials</i> , 2020, 252, 120018.	11.4	62
56	Nanomaterials as photothermal therapeutic agents. <i>Progress in Materials Science</i> , 2019, 99, 1-26.	32.8	442
57	Spontaneous evolution of human skin fibroblasts into wound-healing keratinocyte-like cells. <i>Theranostics</i> , 2019, 9, 5200-5213.	10.0	16
58	Nanoparticle-Plant Interactions: Two-Way Traffic. <i>Small</i> , 2019, 15, e1901794.	10.0	132
59	Bioinspired design of AgNPs embedded silk sericin-based sponges for efficiently combating bacteria and promoting wound healing. <i>Materials and Design</i> , 2019, 180, 107940.	7.0	112
60	Genetically Engineered Flagella Form Collagen-like Ordered Structures for Inducing Stem Cell Differentiation. <i>IScience</i> , 2019, 17, 277-287.	4.1	5
61	An injectable collagen-genipin-carbon dot hydrogel combined with photodynamic therapy to enhance chondrogenesis. <i>Biomaterials</i> , 2019, 218, 119190.	11.4	131
62	Self-Assembled Peptide Nanofibers Display Natural Antimicrobial Peptides to Selectively Kill Bacteria without Compromising Cytocompatibility. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 28681-28689.	8.0	59
63	On the issue of transparency and reproducibility in nanomedicine. <i>Nature Nanotechnology</i> , 2019, 14, 629-635.	31.5	149
64	Biomaterials based on phages and other viruses. <i>Advanced Drug Delivery Reviews</i> , 2019, 145, 1-3.	13.7	4
65	Polydopamine-Coated <i>Antheraea pernyi</i> (<i>A. pernyi</i>) Silk Fibroin Films Promote Cell Adhesion and Wound Healing in Skin Tissue Repair. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 34736-34743.	8.0	87
66	Cartilage-targeting and dual MMP-13/pH responsive theranostic nanoprobe for osteoarthritis imaging and precision therapy. <i>Biomaterials</i> , 2019, 225, 119520.	11.4	92
67	Optimierung photodynamischer Krebstherapien auf der Grundlage physikalisch-chemischer Faktoren. <i>Angewandte Chemie</i> , 2019, 131, 14204-14219.	2.0	10
68	Enhancement of Photodynamic Cancer Therapy by Physical and Chemical Factors. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14066-14080.	13.8	133
69	3D-printable self-healing and mechanically reinforced hydrogels with host-guest non-covalent interactions integrated into covalently linked networks. <i>Materials Horizons</i> , 2019, 6, 733-742.	12.2	148
70	Ultralong tumor retention of theranostic nanoparticles with short peptide-enabled active tumor homing. <i>Materials Horizons</i> , 2019, 6, 1845-1853.	12.2	27
71	Bacterial flagella as an osteogenic differentiation nano-promoter. <i>Nanoscale Horizons</i> , 2019, 4, 1286-1292.	8.0	6
72	Bone Defect Model Dependent Optimal Pore Sizes of 3D-Plotted Beta-Tricalcium Phosphate Scaffolds for Bone Regeneration. <i>Small Methods</i> , 2019, 3, 1900237.	8.6	29

#	ARTICLE	IF	CITATIONS
73	Air-plasma treatment promotes bone-like nano-hydroxylapatite formation on protein films for enhanced <i>in vivo</i> osteogenesis. <i>Biomaterials Science</i> , 2019, 7, 2326-2334.	5.4	16
74	Protein-Induced Gold Nanoparticle Assembly for Improving the Photothermal Effect in Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 11136-11143.	8.0	77
75	Hierarchical Ordered Assembly of Genetically Modifiable Viruses into Nanoridge@Microridge Structures. <i>Advanced Materials</i> , 2019, 31, e1905577.	21.0	15
76	Polydopamine modification of silk fibroin membranes significantly promotes their wound healing effect. <i>Biomaterials Science</i> , 2019, 7, 5232-5237.	5.4	59
77	Peptides encoded by noncoding genes: challenges and perspectives. <i>Signal Transduction and Targeted Therapy</i> , 2019, 4, 57.	17.1	22
78	Phage-based vaccines. <i>Advanced Drug Delivery Reviews</i> , 2019, 145, 40-56.	13.7	68
79	Bacteriophage-based biomaterials for tissue regeneration. <i>Advanced Drug Delivery Reviews</i> , 2019, 145, 73-95.	13.7	42
80	Untangling the response of bone tumor cells and bone forming cells to matrix stiffness and adhesion ligand density by means of hydrogels. <i>Biomaterials</i> , 2019, 188, 130-143.	11.4	64
81	CaZnOS:Nd ³⁺ Emits Tissue-Penetrating near-Infrared Light upon Force Loading. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 14509-14516.	8.0	71
82	Evolutionary selection of personalized melanoma cell/tissue dual-homing peptides for guiding bionanofibers to malignant tumors. <i>Chemical Communications</i> , 2018, 54, 1631-1634.	4.1	22
83	Cancer Nanotheranostics: Actively Targeted Deep Tissue Imaging and Photothermal@Chemo Therapy of Breast Cancer by Antibody@Functionalized Drug@Loaded X@Ray@Responsive Bismuth Sulfide@Mesoporous Silica Core@Shell Nanoparticles (<i>Adv. Funct. Mater.</i> 5/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870034.	14.9	6
84	Multifunctional Copper-Containing Carboxymethyl Chitosan/Alginate Scaffolds for Eradicating Clinical Bacterial Infection and Promoting Bone Formation. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 127-138.	8.0	142
85	Nontoxic engineered virus nanofibers as an efficient agent for the prevention and detection of fungal infection. <i>Nano Research</i> , 2018, 11, 2248-2255.	10.4	9
86	Actively Targeted Deep Tissue Imaging and Photothermal@Chemo Therapy of Breast Cancer by Antibody@Functionalized Drug@Loaded X@Ray@Responsive Bismuth Sulfide@Mesoporous Silica Core@Shell Nanoparticles. <i>Advanced Functional Materials</i> , 2018, 28, 1704623.	14.9	120
87	Integrating 3D Printing and Biomimetic Mineralization for Personalized Enhanced Osteogenesis, Angiogenesis, and Osteointegration. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 42146-42154.	8.0	81
88	Temperature-Controlled Reversible Exposure and Hiding of Antimicrobial Peptides on an Implant for Killing Bacteria at Room Temperature and Improving Biocompatibility in Vivo. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 35830-35837.	8.0	34
89	Encoding activities of non-coding RNAs. <i>Theranostics</i> , 2018, 8, 2496-2507.	10.0	42
90	Protein Nanofibril Assemblies Templated by Graphene Oxide Nanosheets Accelerate Early Cell Adhesion and Induce Osteogenic Differentiation of Human Mesenchymal Stem Cells. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 31988-31997.	8.0	37

#	ARTICLE	IF	CITATIONS
91	A Rapidly Self-Healing Host-Guest Supramolecular Hydrogel with High Mechanical Strength and Excellent Biocompatibility. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9008-9012.	13.8	149
92	A Rapidly Self-Healing Host-Guest Supramolecular Hydrogel with High Mechanical Strength and Excellent Biocompatibility. <i>Angewandte Chemie</i> , 2018, 130, 9146-9150.	2.0	36
93	Multifunctional Electrospun Nanofibers for Enhancing Localized Cancer Treatment. <i>Small</i> , 2018, 14, e1801183.	10.0	52
94	Difunctional bacteriophage conjugated with photosensitizers for <i>Candida albicans</i> -targeting photodynamic inactivation. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 2199-2216.	6.7	25
95	3D-Plotted Beta-Tricalcium Phosphate Scaffolds with Smaller Pore Sizes Improve In Vivo Bone Regeneration and Biomechanical Properties in a Critical-Sized Calvarial Defect Rat Model. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800441.	7.6	74
96	Cancer cell targeting, controlled drug release and intracellular fate of biomimetic membrane-encapsulated drug-loaded nano-graphene oxide nanohybrids. <i>Journal of Materials Chemistry B</i> , 2018, 6, 5080-5090.	5.8	27
97	Fabrication of Sericin/Agrose Gel Loaded Lysozyme and Its Potential in Wound Dressing Application. <i>Nanomaterials</i> , 2018, 8, 235.	4.1	33
98	Molecular and cellular mechanisms for zoledronic acid-loaded magnesium-strontium alloys to inhibit giant cell tumors of bone. <i>Acta Biomaterialia</i> , 2018, 77, 365-379.	8.3	34
99	Electroactive polymers for tissue regeneration: Developments and perspectives. <i>Progress in Polymer Science</i> , 2018, 81, 144-162.	24.7	225
100	Virus-Based Cancer Therapeutics for Targeted Photodynamic Therapy. <i>Methods in Molecular Biology</i> , 2018, 1776, 643-652.	0.9	7
101	Cross Talk Between Autophagy and Apoptosis Contributes to ZnO Nanoparticle-Induced Human Osteosarcoma Cell Death. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800332.	7.6	31
102	Multi-functional bismuth-doped bioglasses: combining bioactivity and photothermal response for bone tumor treatment and tissue repair. <i>Light: Science and Applications</i> , 2018, 7, 1.	16.6	301
103	Mechanically cartilage-mimicking poly(PCL-PTHF urethane)/collagen nanofibers induce chondrogenesis by blocking NF- κ B signaling pathway. <i>Biomaterials</i> , 2018, 178, 281-292.	11.4	72
104	Metallic Nanoclusters for Cancer Imaging and Therapy. <i>Current Medicinal Chemistry</i> , 2018, 25, 1379-1396.	2.4	66
105	Quantum sensing using coherent control of near-field polarization of quantum dot-metallic nanoparticle molecules. <i>Journal of Applied Physics</i> , 2017, 121, .	2.5	15
106	Targeted delivery of in situ PCR-amplified Sleeping Beauty transposon genes to cancer cells with lipid-based nanoparticle-like protocells. <i>Biomaterials</i> , 2017, 121, 55-63.	11.4	18
107	Biological sensing and control of emission dynamics of quantum dot bioconjugates using arrays of long metallic nanorods. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 145401.	2.8	13
108	Fluorescent Nanomaterials for the Development of Latent Fingerprints in Forensic Sciences. <i>Advanced Functional Materials</i> , 2017, 27, 1606243.	14.9	169

#	ARTICLE	IF	CITATIONS
109	In situ protein-templated porous protein- α -hydroxyapatite nanocomposite microspheres for pH-dependent sustained anticancer drug release. <i>Journal of Materials Chemistry B</i> , 2017, 5, 3945-3954.	5.8	30
110	Assessment of fracture risk in proximal tibia with tumorous bone defects by a finite element method. <i>Microscopy Research and Technique</i> , 2017, 80, 975-984.	2.2	12
111	Prospects of siRNA applications in regenerative medicine. <i>International Journal of Pharmaceutics</i> , 2017, 524, 312-329.	5.2	28
112	Ice-templated Protein Nanoridges Induce Bone Tissue Formation. <i>Advanced Functional Materials</i> , 2017, 27, 1703726.	14.9	33
113	Enhanced cell uptake of fluorescent drug-loaded nanoparticles via an implantable photothermal fibrous patch for more effective cancer cell killing. <i>Journal of Materials Chemistry B</i> , 2017, 5, 7504-7511.	5.8	18
114	3D printed personalized titanium plates improve clinical outcome in microwave ablation of bone tumors around the knee. <i>Scientific Reports</i> , 2017, 7, 7626.	3.3	52
115	Virus-Derived Peptides for Clinical Applications. <i>Chemical Reviews</i> , 2017, 117, 10377-10402.	47.7	55
116	Relationship between Kellgren-Lawrence score and 3D kinematic gait analysis of patients with medial knee osteoarthritis using a new gait system. <i>Scientific Reports</i> , 2017, 7, 4080.	3.3	32
117	Portable amperometric immunosensor for histamine detection using Prussian blue-chitosan-gold nanoparticle nanocomposite films. <i>Biosensors and Bioelectronics</i> , 2017, 98, 305-309.	10.1	92
118	Nucleation and Assembly of Silica into Protein-Based Nanocomposites as Effective Anticancer Drug Carriers Using Self-Assembled Silk Protein Nanostructures as Biotemplates. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 22259-22267.	8.0	39
119	Phage-Enabled Nanomedicine: From Probes to Therapeutics in Precision Medicine. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1964-1992.	13.8	131
120	Nanomedizin auf Phagenbasis: von Sonden zu Therapeutika für eine Präzisionsmedizin. <i>Angewandte Chemie</i> , 2017, 129, 1992-2022.	2.0	10
121	Guiding nanomaterials to tumors for breast cancer precision medicine: from tumor-targeting small-molecule discovery to targeted nanodrug delivery. <i>NPG Asia Materials</i> , 2017, 9, e452-e452.	7.9	42
122	Cancer-derived Circulating MicroRNAs Promote Tumor Angiogenesis by Entering Dendritic Cells to Degrade Highly Complementary MicroRNAs. <i>Theranostics</i> , 2017, 7, 1407-1421.	10.0	27
123	Bone-Inspired Spatially Specific Piezoelectricity Induces Bone Regeneration. <i>Theranostics</i> , 2017, 7, 3387-3397.	10.0	67
124	Cell-Specific Promoters Enable Lipid-Based Nanoparticles to Deliver Genes to Specific Cells of the Retina <i>In Vivo</i> . <i>Theranostics</i> , 2016, 6, 1514-1527.	10.0	38
125	Ti nanorod arrays with a medium density significantly promote osteogenesis and osteointegration. <i>Scientific Reports</i> , 2016, 6, 19047.	3.3	15
126	Built-in microscale electrostatic fields induced by anatase-rutile-phase transition in selective areas promote osteogenesis. <i>NPG Asia Materials</i> , 2016, 8, e243-e243.	7.9	41

#	ARTICLE	IF	CITATIONS
127	Size-Dependent Mechanism of Intracellular Localization and Cytotoxicity of Mono-Disperse Spherical Mesoporous Nano- and Micron-Bioactive Glass Particles. <i>Journal of Biomedical Nanotechnology</i> , 2016, 12, 863-877.	1.1	34
128	Phage as a Genetically Modifiable Supramacromolecule in Chemistry, Materials and Medicine. <i>Accounts of Chemical Research</i> , 2016, 49, 1111-1120.	15.6	83
129	Bio-Templated Growth of Bone Minerals from Modified Simulated Body Fluid on Nanofibrous Decellularized Natural Tissues. <i>Journal of Biomedical Nanotechnology</i> , 2016, 12, 753-761.	1.1	23
130	Surface-Selective Preferential Production of Reactive Oxygen Species on Piezoelectric Ceramics for Bacterial Killing. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 24306-24309.	8.0	60
131	Vaccine Against Fungal Infections: Genetically Engineered Virus Nanofibers as an Efficient Vaccine for Preventing Fungal Infection (<i>Adv. Healthcare Mater.</i> 7/2016). <i>Advanced Healthcare Materials</i> , 2016, 5, 746-746.	7.6	0
132	A Fibrous Localized Drug Delivery Platform with NIR-Triggered and Optically Monitored Drug Release. <i>Langmuir</i> , 2016, 32, 9083-9090.	3.5	45
133	Tuning photothermal properties of gold nanodendrites for <i>in vivo</i> cancer therapy within a wide near infrared range by simply controlling their degree of branching. <i>Biomaterials</i> , 2016, 104, 138-144.	11.4	58
134	3D-printed guiding templates for improved osteosarcoma resection. <i>Scientific Reports</i> , 2016, 6, 23335.	3.3	73
135	<i>in Vitro</i> and <i>in Vivo</i> Mechanism of Bone Tumor Inhibition by Selenium-Doped Bone Mineral Nanoparticles. <i>ACS Nano</i> , 2016, 10, 9927-9937.	14.6	164
136	A Multifunctional Nanocrystalline CaF ₂ :Tm,Yb@mSiO ₂ System for Dual-Triggered and Optically Monitored Doxorubicin Delivery. <i>Particle and Particle Systems Characterization</i> , 2016, 33, 896-905.	2.3	19
137	Identification of Novel Short BaTiO ₃ -Binding/Nucleating Peptides for Phage-Templated <i>In Situ</i> Synthesis of BaTiO ₃ Polycrystalline Nanowires at Room Temperature. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 30714-30721.	8.0	18
138	Toward a Molecular Understanding of the Antibacterial Mechanism of Copper-Bearing Titanium Alloys against <i>Staphylococcus aureus</i> . <i>Advanced Healthcare Materials</i> , 2016, 5, 557-566.	7.6	140
139	Genetically Engineered Virus Nanofibers as an Efficient Vaccine for Preventing Fungal Infection. <i>Advanced Healthcare Materials</i> , 2016, 5, 786-794.	7.6	28
140	Importance of dual delivery systems for bone tissue engineering. <i>Journal of Controlled Release</i> , 2016, 225, 152-169.	9.9	146
141	Optically Monitoring Mineralization and Demineralization on Photoluminescent Bioactive Nanofibers. <i>Langmuir</i> , 2016, 32, 3226-3233.	3.5	17
142	The effect and fate of water-soluble carbon nanodots in maize (<i>Zea mays</i> L.). <i>Nanotoxicology</i> , 2016, 10, 818-828.	3.0	53
143	Heterologous strategy enhancing the sensitivity of the fluorescence polarization immunoassay of cinafloxacin in goat milk. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 1341-1346.	3.5	21
144	Metallic nanoparticle shape and size effects on aluminum oxide-induced enhancement of exciton-plasmon coupling and quantum dot emission. <i>Journal of Applied Physics</i> , 2015, 118, 124302.	2.5	7

#	ARTICLE	IF	CITATIONS
145	Influence of Surrounding Cations on the Surface Degradation of Magnesium Alloy Implants under a Compressive Pressure. <i>Langmuir</i> , 2015, 31, 13561-13570.	3.5	14
146	Selenite ²⁻ Releasing Bone Mineral Nanoparticles Retard Bone Tumor Growth and Improve Healthy Tissue Functions In Vivo. <i>Advanced Healthcare Materials</i> , 2015, 4, 1813-1818.	7.6	28
147	Synthesis of CaTiO ₃ Nanofibers with Controllable Drug Release Kinetics. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 4532-4538.	2.0	11
148	Assessment of the Phytotoxicity of Metal Oxide Nanoparticles on Two Crop Plants, Maize (<i>Zea mays</i> L.) and Rice (<i>Oryza sativa</i> L.). <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 15100-15109.	2.6	186
149	Rare Earth Fluorescent Nanomaterials for Enhanced Development of Latent Fingerprints. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 28110-28115.	8.0	173
150	Reiterated Targeting Peptides on the Nanoparticle Surface Significantly Promote Targeted Vascular Endothelial Growth Factor Gene Delivery to Stem Cells. <i>Biomacromolecules</i> , 2015, 16, 3897-3903.	5.4	19
151	Effective Spatial Separation of PC12 and NIH3T3 Cells by the Microgrooved Surface of Biocompatible Polymer Substrates. <i>Langmuir</i> , 2015, 31, 6797-6806.	3.5	17
152	Addition of Zn to the ternary Mg-Ca-Sr alloys significantly improves their antibacterial properties. <i>Journal of Materials Chemistry B</i> , 2015, 3, 6676-6689.	5.8	72
153	Chimeric Protein Template-Induced Shape Control of Bone Mineral Nanoparticles and Its Impact on Mesenchymal Stem Cell Fate. <i>Biomacromolecules</i> , 2015, 16, 1987-1996.	5.4	36
154	Synthesis of NIR-Responsive NaYF ₄ :Yb,Er Upconversion Fluorescent Nanoparticles Using an Optimized Solvothermal Method and Their Applications in Enhanced Development of Latent Fingerprints on Various Smooth Substrates. <i>Langmuir</i> , 2015, 31, 7084-7090.	3.5	130
155	Ultrasensitive Rapid Detection of Human Serum Antibody Biomarkers by Biomarker-Capturing Viral Nanofibers. <i>ACS Nano</i> , 2015, 9, 4475-4483.	14.6	77
156	NIR-induced highly sensitive detection of latent fingermarks by NaYF ₄ :Yb,Er upconversion nanoparticles in a dry powder state. <i>Nano Research</i> , 2015, 8, 1800-1810.	10.4	130
157	Ca ²⁺ -induced self-assembly of Bombyx mori silk sericin into a nanofibrous network-like protein matrix for directing controlled nucleation of hydroxylapatite nano-needles. <i>Journal of Materials Chemistry B</i> , 2015, 3, 2455-2462.	5.8	58
158	Biomineralization of Natural Collagenous Nanofibrous Membranes and Their Potential Use in Bone Tissue Engineering. <i>Journal of Biomedical Nanotechnology</i> , 2015, 11, 447-456.	1.1	35
159	Silk as a potential candidate for bone tissue engineering. <i>Journal of Controlled Release</i> , 2015, 215, 112-128.	9.9	135
160	Concentration Ranges of Antibacterial Cations for Showing the Highest Antibacterial Efficacy but the Least Cytotoxicity against Mammalian Cells: Implications for a New Antibacterial Mechanism. <i>Chemical Research in Toxicology</i> , 2015, 28, 1815-1822.	3.3	217
161	Microgrooved Polymer Substrates Promote Collective Cell Migration To Accelerate Fracture Healing in an <i>In Vitro</i> Model. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 23336-23345.	8.0	53
162	Nontoxic virus nanofibers improve the detection sensitivity for the anti-p53 antibody, a biomarker in cancer patients. <i>Nano Research</i> , 2015, 8, 3562-3570.	10.4	22

#	ARTICLE	IF	CITATIONS
163	Near-infrared luminescent CaTiO ₃ :Nd ³⁺ nanofibers with tunable and trackable drug release kinetics. <i>Journal of Materials Chemistry B</i> , 2015, 3, 7449-7456.	5.8	34
164	Phage-mediated counting by the naked eye of miRNA molecules at attomolar concentrations in a Petri dish. <i>Nature Materials</i> , 2015, 14, 1058-1064.	27.5	81
165	“Cleaning” the surface of hydroxyapatite nanorods by a reaction-dissolution approach. <i>Journal of Materials Chemistry B</i> , 2015, 3, 7667-7672.	5.8	8
166	pH-Triggered SrTiO ₃ :Er Nanofibers with Optically Monitored and Controlled Drug Delivery Functionality. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 25514-25521.	8.0	25
167	Reversibly Controlling Preferential Protein Adsorption on Bone Implants by Using an Applied Weak Potential as a Switch. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 13068-13072.	13.8	40
168	Untangling the Effects of Peptide Sequences and Nanotopographies in a Biomimetic Niche for Directed Differentiation of iPSCs by Assemblies of Genetically Engineered Viral Nanofibers. <i>Nano Letters</i> , 2014, 14, 6850-6856.	9.1	78
169	Enhancement of emission efficiency of colloidal CdSe quantum dots on silicon substrate via an ultra-thin layer of aluminum oxide. <i>Nanotechnology</i> , 2014, 25, 155701.	2.6	19
170	Phage Nanofibers Induce Vascularized Osteogenesis in 3D Printed Bone Scaffolds. <i>Advanced Materials</i> , 2014, 26, 4961-4966.	21.0	204
171	Stable biofunctionalization of hydroxyapatite (HA) surfaces by HA-binding/osteogenic modular peptides for inducing osteogenic differentiation of mesenchymal stem cells. <i>Biomaterials Science</i> , 2014, 2, 1779-1786.	5.4	32
172	Tuning nano-architectures and improving bioactivity of conducting polypyrrole coating on bone implants by incorporating bone-borne small molecules. <i>Journal of Materials Chemistry B</i> , 2014, 2, 7872-7876.	5.8	17
173	Nanoparticle-Assisted Targeted Delivery of Eye-Specific Genes to Eyes Significantly Improves the Vision of Blind Mice In Vivo. <i>Nano Letters</i> , 2014, 14, 5257-5263.	9.1	93
174	Probing the structural dependency of photoinduced properties of colloidal quantum dots using metal-oxide photo-active substrates. <i>Journal of Applied Physics</i> , 2014, 116, 114301.	2.5	17
175	Tuning Molecular Weights of <i>Bombyx mori</i> (B. mori) Silk Sericin to Modify Its Assembly Structures and Materials Formation. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 13782-13789.	8.0	55
176	Stem Cells Loaded with Nanoparticles as a Drug Carrier for In Vivo Breast Cancer Therapy. <i>Advanced Materials</i> , 2014, 26, 4627-4631.	21.0	94
177	Chemical functionalization of bone implants with nanoparticle-stabilized chitosan and methotrexate for inhibiting both osteoclastoma formation and bacterial infection. <i>Journal of Materials Chemistry B</i> , 2014, 2, 5952.	5.8	25
178	Directing the fate of human and mouse mesenchymal stem cells by hydroxyl-“methyl mixed self-assembled monolayers with varying wettability. <i>Journal of Materials Chemistry B</i> , 2014, 2, 4794.	5.8	73
179	Biomimetic Nucleation of Hydroxyapatite Crystals Mediated by <i>Antheraea pernyi</i> Silk Sericin Promotes Osteogenic Differentiation of Human Bone Marrow Derived Mesenchymal Stem Cells. <i>Biomacromolecules</i> , 2014, 15, 1185-1193.	5.4	91
180	Delivery of inhibitor of growth 4 (ING4) gene significantly inhibits proliferation and invasion and promotes apoptosis of human osteosarcoma cells. <i>Scientific Reports</i> , 2014, 4, 7380.	3.3	30

#	ARTICLE	IF	CITATIONS
181	Phage as a Template to Grow Bone Mineral Nanocrystals. <i>Methods in Molecular Biology</i> , 2014, 1108, 123-135.	0.9	7
182	Using Phage as a Platform to Select Cancer Cell-Targeting Peptides. <i>Methods in Molecular Biology</i> , 2014, 1108, 57-68.	0.9	14
183	Mesoporous iron oxide nanoparticles prepared by polyacrylic acid etching and their application in gene delivery to mesenchymal stem cells. <i>Microscopy Research and Technique</i> , 2013, 76, 936-941.	2.2	23
184	Silica-Based Branched Hollow Microfibers as a Biomimetic Extracellular Matrix for Promoting Tumor Cell Growth In Vitro and In Vivo. <i>Advanced Materials</i> , 2013, 25, 2492-2496.	21.0	25
185	Virus-Mimetic Cytoplasm-Cleavable Magnetic/Silica Nanoclusters for Enhanced Gene Delivery to Mesenchymal Stem Cells. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11278-11281.	13.8	73
186	Theoretical Investigation of Optical Detection and Recognition of Single Biological Molecules Using Coherent Dynamics of Exciton-Plasmon Coupling. <i>Journal of Physical Chemistry C</i> , 2013, 117, 17344-17351.	3.1	12
187	Virus activated artificial ECM induces the osteoblastic differentiation of mesenchymal stem cells without osteogenic supplements. <i>Scientific Reports</i> , 2013, 3, 1242.	3.3	80
188	One-pot synthesis of surface roughness controlled hollow silica spheres with enhanced drug loading and release profiles under ambient conditions in aqueous solutions. <i>Journal of Materials Chemistry B</i> , 2013, 1, 5515.	5.8	24
189	Controlled Alignment of Filamentous Supramolecular Assemblies of Biomolecules into Centimeter-Scale Highly Ordered Patterns by Using Nature-Inspired Magnetic Guidance. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11750-11754.	13.8	30
190	Bacteriophage Bionanowire as a Carrier for Both Cancer-Targeting Peptides and Photosensitizers and its use in Selective Cancer Cell Killing by Photodynamic Therapy. <i>Small</i> , 2013, 9, 215-221.	10.0	84
191	Virus-based Photo-Responsive Nanowires Formed By Linking Site-Directed Mutagenesis and Chemical Reaction. <i>Scientific Reports</i> , 2013, 3, 1820.	3.3	34
192	Synergetic Targeted Delivery of Sleeping Beauty Transposon System to Mesenchymal Stem Cells Using LPD Nanoparticles Modified with a Phage-Displayed Targeting Peptide. <i>Advanced Functional Materials</i> , 2013, 23, 1172-1181.	14.9	72
193	Oxide formation on biological nanostructures via a structure-directing agent: towards an understanding of precise structural transcription. <i>Chemical Science</i> , 2012, 3, 2639.	7.4	44
194	Morphology-controlled synthesis of silica nanotubes through pH- and sequence-responsive morphological change of bacterial flagellar biotemplates. <i>Journal of Materials Chemistry</i> , 2012, 22, 15702.	6.7	28
195	Microwave-assisted one-pot synthesis of water-soluble rare-earth doped fluoride luminescent nanoparticles with tunable colors. <i>Journal of Alloys and Compounds</i> , 2012, 525, 154-158.	5.5	39
196	Biotemplated Synthesis of Hollow Double-Layered Core/Shell Titania/Silica Nanotubes under Ambient Conditions. <i>Small</i> , 2012, 8, 3691-3697.	10.0	37
197	Flagellar Display of Bone-Protein-Derived Peptides for Studying Peptide-Mediated Biomineralization. <i>Langmuir</i> , 2012, 28, 16338-16346.	3.5	14
198	Osteogenic differentiation of bone marrow mesenchymal stem cells on the collagen/silk fibroin biotemplate-induced biomimetic bone substitutes. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 2929-2938.	4.0	43

#	ARTICLE	IF	CITATIONS
199	Controlling Nanostructures of Mesoporous Silica Fibers by Supramolecular Assembly of Genetically Modifiable Bacteriophages. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6411-6415.	13.8	61
200	Synthesis of NaYF ₄ :Yb/Er/Gd up-conversion luminescent nanoparticles and luminescence resonance energy transfer-based protein detection. <i>Analytical Biochemistry</i> , 2012, 421, 673-679.	2.4	68
201	Bio-imaging, detection and analysis by using nanostructures as SERS substrates. <i>Journal of Materials Chemistry</i> , 2011, 21, 5190.	6.7	114
202	Self-Assembly and Mineralization of Genetically Modifiable Biological Nanofibers Driven by β -Structure Formation. <i>Biomacromolecules</i> , 2011, 12, 2193-2199.	5.4	62
203	Controllable synthesis of NaYF ₄ :Yb,Er upconversion nanophosphors and their application to in vivo imaging of <i>Caenorhabditis elegans</i> . <i>Journal of Materials Chemistry</i> , 2011, 21, 2632.	6.7	115
204	Novel Microwave-Assisted Solvothermal Synthesis of NaYF ₄ :Yb,Er Upconversion Nanoparticles and Their Application in Cancer Cell Imaging. <i>Langmuir</i> , 2011, 27, 14632-14637.	3.5	107
205	Upconversion nanoparticles: synthesis, surface modification and biological applications. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2011, 7, 710-729.	3.3	438
206	Bio-inspired supramolecular self-assembly towards soft nanomaterials. <i>Frontiers of Materials Science</i> , 2011, 5, 247-265.	2.2	38
207	Transmission electron microscopy as a tool to image bioinorganic nanohybrids: The case of phage-gold nanocomposites. <i>Microscopy Research and Technique</i> , 2011, 74, 627-635.	2.2	37
208	Introduction: Bio and nano imaging and analysis. <i>Microscopy Research and Technique</i> , 2011, 74, 559-562.	2.2	1
209	Development of a successive targeting liposome with multi-ligand for efficient targeting gene delivery. <i>Journal of Gene Medicine</i> , 2011, 13, 290-301.	2.8	20
210	Viscosity Gradient as a Novel Mechanism for the Centrifugation-Based Separation of Nanoparticles. <i>Advanced Materials</i> , 2011, 23, 4880-4885.	21.0	55
211	Controlled Self-Assembly of Rodlike Bacterial Pili Particles into Ordered Lattices. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6264-6268.	13.8	33
212	Inside Cover: Controlled Self-Assembly of Rodlike Bacterial Pili Particles into Ordered Lattices (<i>Angew. Chem. Int. Ed.</i> 28/2011). <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6184-6184.	13.8	0
213	Controlled growth and differentiation of MSCs on grooved films assembled from monodisperse biological nanofibers with genetically tunable surface chemistries. <i>Biomaterials</i> , 2011, 32, 4744-4752.	11.4	103
214	Biosynthesis and characterization of CdS quantum dots in genetically engineered <i>Escherichia coli</i> . <i>Journal of Biotechnology</i> , 2011, 153, 125-132.	3.8	97
215	Chapter 10. Filamentous Phage-templated Synthesis and Assembly of Inorganic Nanomaterials. <i>RSC Nanoscience and Nanotechnology</i> , 2011, , 220-244.	0.2	3
216	Detection of serum anti-P53 antibodies from patients with colorectal cancer in China using a combination of P53- and phage-ELISA: correlation to clinical parameters. <i>Asian Pacific Journal of Cancer Prevention</i> , 2011, 12, 2921-4.	1.2	6

#	ARTICLE	IF	CITATIONS
217	Development of an optimized protocol for studying the interaction of filamentous bacteriophage with mammalian cells by fluorescence microscopy. <i>Microscopy Research and Technique</i> , 2010, 73, 548-554.	2.2	6
218	Preparation and Characterization of Fe ₃ O ₄ /CdTe Magnetic/Fluorescent Nanocomposites and Their Applications in Immuno-Labeling and Fluorescent Imaging of Cancer Cells. <i>Langmuir</i> , 2010, 26, 1278-1284.	3.5	161
219	Nanofibrous Bio-Inorganic Hybrid Structures Formed Through Self-Assembly and Oriented Mineralization of Genetically Engineered Phage Nanofibers. <i>Small</i> , 2010, 6, 2230-2235.	10.0	76
220	Atomic Layer Deposition of Al ₂ O ₃ on Biological Pili Substrate. <i>ECS Transactions</i> , 2010, 33, 43-48.	0.5	6
221	Sensing humidity using virus-nanoparticle assembly. , 2010, , .		0
222	Architectonics of Phage-Liposome Nanoweb as Optimized Photosensitizer Vehicles for Photodynamic Cancer Therapy. <i>Molecular Cancer Therapeutics</i> , 2010, 9, 2524-2535.	4.1	37
223	Evolutionary Selection of New Breast Cancer Cell-Targeting Peptides and Phages with the Cell-Targeting Peptides Fully Displayed on the Major Coat and Their Effects on Actin Dynamics during Cell Internalization. <i>Molecular Pharmaceutics</i> , 2010, 7, 1629-1642.	4.6	58
224	Evolutionary Selection of New Breast Cancer Cell-Targeting Peptides and Phages with the Cell-Targeting Peptides Fully Displayed on the Major Coat and Their Effects on Actin Dynamics during Cell Internalization. <i>Molecular Pharmaceutics</i> , 2010, 7, 2369-2369.	4.6	6
225	Biomimetic Branched Hollow Fibers Templated by Self-Assembled Fibrous Polyvinylpyrrolidone Structures in Aqueous Solution. <i>ACS Nano</i> , 2010, 4, 1573-1579.	14.6	80
226	Oil Phase Evaporation-Induced Self-Assembly of Hydrophobic Nanoparticles into Spherical Clusters with Controlled Surface Chemistry in an Oil-in-Water Dispersion and Comparison of Behaviors of Individual and Clustered Iron Oxide Nanoparticles. <i>Journal of the American Chemical Society</i> , 2010, 132, 17724-17732.	13.7	146
227	Multifunctional nanocomposites of superparamagnetic (Fe ₃ O ₄) and NIR-responsive rare earth-doped up-conversion fluorescent (NaYF ₄ :Yb,Er) nanoparticles and their applications in biolabeling and fluorescent imaging of cancer cells. <i>Nanoscale</i> , 2010, 2, 1141.	5.6	157
228	Bacteriophage Bundles with Prealigned Ca ²⁺ Initiate the Oriented Nucleation and Growth of Hydroxylapatite. <i>Chemistry of Materials</i> , 2010, 22, 3630-3636.	6.7	80
229	Nanocomposite Films Assembled from Genetically Engineered Filamentous Viruses and Gold Nanoparticles: Nanoarchitecture and Humidity-Tunable Surface Plasmon Resonance Spectra. <i>Advanced Materials</i> , 2009, 21, 1001-1005.	21.0	69
230	Virus-Based Chemical and Biological Sensing. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6790-6810.	13.8	243
231	Seed-mediated shape evolution of gold nanomaterials: from spherical nanoparticles to polycrystalline nanochains and single-crystalline nanowires. <i>Journal of Nanoparticle Research</i> , 2009, 11, 885-894.	1.9	18
232	Self-Assembly of Drug-Loaded Liposomes on Genetically Engineered Target-Recognizing M13 Phage: A Novel Nanocarrier for Targeted Drug Delivery. <i>Small</i> , 2009, 5, 1963-1969.	10.0	70
233	Immunolabeling and NIR-Excited Fluorescent Imaging of HeLa Cells by Using NaYF ₄ :Yb,Er Upconversion Nanoparticles. <i>ACS Nano</i> , 2009, 3, 1580-1586.	14.6	533
234	Identification of Microtubule-Binding Domains on Microtubule-Associated Proteins by Major Coat Phage Display Technique. <i>Biomacromolecules</i> , 2009, 10, 555-564.	5.4	40

#	ARTICLE	IF	CITATIONS
235	NIR-Responsive Silica-Coated NaYbF ₄ :Er/Tm/Ho Upconversion Fluorescent Nanoparticles with Tunable Emission Colors and Their Applications in Immunolabeling and Fluorescent Imaging of Cancer Cells. <i>Journal of Physical Chemistry C</i> , 2009, 113, 19021-19027.	3.1	176
236	Nanotubes connected to a micro-tank: hybrid micro-/nano-silica architectures transcribed from living bacteria as bioreactors. <i>Chemical Communications</i> , 2009, , 1222.	4.1	18
237	Self-assembly of drug-loaded liposomes on genetically engineered protein nanotubes: a potential anti-cancer drug delivery vector. <i>Soft Matter</i> , 2009, 5, 954.	2.7	26
238	Immunoassay of Goat Antihuman Immunoglobulin G Antibody Based on Luminescence Resonance Energy Transfer between Near-Infrared Responsive NaYF ₄ :Yb,Er Upconversion Fluorescent Nanoparticles and Gold Nanoparticles. <i>Analytical Chemistry</i> , 2009, 81, 8783-8789.	6.5	227
239	Genetically Modifiable Flagella as Templates for Silica Fibers: From Hybrid Nanotubes to 1D Periodic Nanohole Arrays. <i>Advanced Functional Materials</i> , 2008, 18, 4007-4013.	14.9	40
240	Oriented Nucleation of Hydroxylapatite Crystals on Spider Dragline Silks. <i>Langmuir</i> , 2007, 23, 10701-10705.	3.5	64
241	Protein-Mediated Nanocrystal Assembly for Flash Memory Fabrication. <i>IEEE Transactions on Electron Devices</i> , 2007, 54, 433-438.	3.0	45
242	Bio-Nano Approaches to Fabrication of Quantum Dot Floating Gate Flash Memories. , 2007, , .		0
243	SiC Nanocrystal Flash Memory Fabricated with Protein-mediated Assembly. , 2006, , .		1
244	Nanomaterials characterization: Structures, compositions, and properties. <i>Microscopy Research and Technique</i> , 2006, 69, 519-521.	2.2	0
245	Virus-Based Toolkit for the Directed Synthesis of Magnetic and Semiconducting Nanowires. <i>Science</i> , 2004, 303, 213-217.	12.6	946
246	Introduction: Nanomaterials characterization using microscopy. <i>Microscopy Research and Technique</i> , 2004, 64, 345-346.	2.2	2
247	Bacterial Biosynthesis of Cadmium Sulfide Nanocrystals. <i>Chemistry and Biology</i> , 2004, 11, 1553-1559.	6.0	415
248	Biological Routes to Metal Alloy Ferromagnetic Nanostructures. <i>Nano Letters</i> , 2004, 4, 1127-1132.	9.1	212
249	Building Quantum Dots into Solids with Well-Defined Shapes. <i>Advanced Functional Materials</i> , 2003, 13, 648-656.	14.9	13
250	Synthesis and organization of nanoscale II-VI semiconductor materials using evolved peptide specificity and viral capsid assembly. <i>Journal of Materials Chemistry</i> , 2003, 13, 2414-2421.	6.7	174
251	Optical anisotropy in individual CdS quantum dot ensembles. <i>Physical Review B</i> , 2003, 68, .	3.2	11
252	Viral assembly of oriented quantum dot nanowires. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 6946-6951.	7.1	468

#	ARTICLE	IF	CITATIONS
253	Ordering of Quantum Dots Using Genetically Engineered Viruses. <i>Science</i> , 2002, 296, 892-895.	12.6	975
254	Surface micro-structuring of silicon by excimer-laser irradiation in reactive atmospheres. <i>Applied Surface Science</i> , 2000, 168, 251-257.	6.1	47
255	Oriented growth of phosphates on polycrystalline titanium in a process mimicking biomineralization. <i>Journal of Crystal Growth</i> , 1999, 206, 308-321.	1.5	60
256	The functionalization of titanium with EDTA to induce biomimetic mineralization of hydroxyapatite. <i>Journal of Materials Chemistry</i> , 1999, 9, 2573-2582.	6.7	47
257	Biomimetic Growth of Calcium Phosphates with an Organized Hydroxylated Surface as Template. <i>Journal of Materials Science Letters</i> , 1998, 17, 1341-1343.	0.5	3
258	Biomimetic Growth of Calcium Phosphates with an Organized Hydroxylated Surface as Template. <i>Journal of Materials Science Letters</i> , 1998, 17, 1479-1481.	0.5	7
259	Rapid one-powder process to synthesize phase assemblage composed of (Bi,Pb)2Sr2CaCu2O _x , Ca ₂ CuO ₃ and CuO. <i>Physica C: Superconductivity and Its Applications</i> , 1998, 303, 28-32.	1.2	4
260	Oriented growth of hydroxyapatite on (0001) textured titanium with functionalized self-assembled silane monolayer as template. <i>Journal of Materials Chemistry</i> , 1998, 8, 2795-2801.	6.7	44
261	Manufacture of ultrafine BiPbSrCaCuO powder by an in situ nanometre reaction process. <i>Superconductor Science and Technology</i> , 1997, 10, 47-51.	3.5	2
262	Spectroscopic investigations of adsorption during fabrication of superconducting tape. <i>Superconductor Science and Technology</i> , 1997, 10, 241-248.	3.5	3
263	Optimization of a new modified wet-chemistry process for the synthesis of BPSCCO superconductor precursor powders with specific stoichiometry. <i>Journal of Materials Chemistry</i> , 1997, 7, 1451-1456.	6.7	0
264	Optimization of the solution "sol-gel" process to synthesize homogeneous BiPbSrCaCuO powder. <i>Physica C: Superconductivity and Its Applications</i> , 1997, 281, 27-34.	1.2	4
265	Coprecipitation-based micro-reactor process to synthesize soft-agglomerated ultrafine BiPbSrCaCuO powder with low carbon content. <i>Physica C: Superconductivity and Its Applications</i> , 1997, 281, 35-44.	1.2	13
266	Interaction between BiPbSrCaCuO powder and ambient atmosphere. <i>Physica C: Superconductivity and Its Applications</i> , 1997, 281, 149-158.	1.2	3
267	New understanding of silver-induced texture in powder-in-tube processed Ag/Bi(2223) tape. <i>Physica C: Superconductivity and Its Applications</i> , 1997, 281, 159-175.	1.2	12
268	The combination of the polymeric solution - sol - gel process and combustion synthesis to manufacture BiPbSrCaCuO powder. <i>Superconductor Science and Technology</i> , 1996, 9, 994-1000.	3.5	11
269	The effect of the configuration of the silver layer on texture growth and microstructure in silver-sheathed superconducting tape. <i>Superconductor Science and Technology</i> , 1996, 9, 1001-1008.	3.5	1
270	Nanocrystal flash memory fabricated with protein-mediated assembly. , 0, , .		4

#	ARTICLE	IF	CITATIONS
271	Soil is a key factor influencing gut microbiota and its effect is comparable to that exerted by diet for mice. <i>F1000Research</i> , 0, 7, 1588.	1.6	20
272	Stem Cell: Peptide and Protein-Modified Surfaces for Cell Niche. , 0, , 7565-7576.		0