

Chuanbin Mao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

262
papers

13,024
citations

60
h-index

105
g-index

295
ext. papers

15,151
ext. citations

9.8
avg, IF

6.66
L-index

#	Paper	IF	Citations
262	Advances in the Development of Phage-Based Probes for Detection of Bio-Species.. <i>Biosensors</i> , 2022 , 12,	5.9	5
261	Protein nanoparticles directed cancer imaging and therapy.. <i>Nano Convergence</i> , 2022 , 9, 2	9.2	4
260	Neural mechanism mimetic selective electronic nose based on programmed M13 bacteriophage. <i>Biosensors and Bioelectronics</i> , 2022 , 196, 113693	11.8	1
259	Emulating interactions between microorganisms and tumor microenvironment to develop cancer theranostics.. <i>Theranostics</i> , 2022 , 12, 2833-2859	12.1	2
258	Highly Effective Stroke Therapy Enabled by Genetically Engineered Viral Nanofibers.. <i>Advanced Materials</i> , 2022 , e2201210	24	4
257	Highly effective rheumatoid arthritis therapy by peptide-promoted nanomodification of mesenchymal stem cells.. <i>Biomaterials</i> , 2022 , 283, 121474	15.6	0
256	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	5.6	1
255	Exploring phage engineering to advance nanobiotechnology. <i>Materials Today Nano</i> , 2022 , 100229	9.7	
254	T7 Phage as an Emerging Nanobiomaterial with Genetically Tunable Target Specificity.. <i>Advanced Science</i> , 2021 , e2103645	13.6	5
253	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	7.3	0
252	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	9.5	4
251	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	3.9	
250	Biomimetic cartilage-lubricating polymers regenerate cartilage in rats with early osteoarthritis. <i>Nature Biomedical Engineering</i> , 2021 , 5, 1189-1201	19	15
249	Detection of a single circulating tumor cell using a genetically engineered antibody-like phage nanofiber probe. <i>Materials Today Advances</i> , 2021 , 12, 100168	7.4	3
248	Biomineralization 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	10.1	4
247	Weak Electrostatic Interaction Enabled Highly Oriented Assembly of Gold Nanorods onto Ultrathin Flagella Bionanofibers. <i>Small Structures</i> , 2021 , 2, 2000121	8.7	1
246	High-throughput screening and rational design of biofunctionalized surfaces with optimized biocompatibility and antimicrobial activity. <i>Nature Communications</i> , 2021 , 12, 3757	17.4	4

245	Naked-eye counting of pathogenic viruses by phage-gold nanobiomaterials as probes. <i>Materials Today Advances</i> , 2021 , 10, 100122	7.4	1
244	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
243	High quantum efficiency and stability of biohybrid quantum dots nanojunctions in bacteriophage-constructed perovskite. <i>Materials Today Nano</i> , 2021 , 13, 100099	9.7	3
242	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	14.4	4
241	Quantifying contrast of latent fingerprints developed by fluorescent nanomaterials based on spectral analysis. <i>Talanta</i> , 2021 , 231, 122138	6.2	1
240	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	9.5	3
239	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	7.4	1
238	Functional reconstruction of injured corpus cavernosa using 3D-printed hydrogel scaffolds seeded with HIF-1 β -expressing stem cells. <i>Nature Communications</i> , 2020 , 11, 2687	17.4	19
237	Selectively Suppressing Tumor Angiogenesis for Targeted Breast Cancer Therapy by Genetically Engineered Phage. <i>Advanced Materials</i> , 2020 , 32, e2001260	24	15
236	Peptide SMIM30 promotes HCC development by inducing SRC/YES1 membrane anchoring and MAPK pathway activation. <i>Journal of Hepatology</i> , 2020 , 73, 1155-1169	13.4	34
235	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, 1008049	4.9	2
234	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	9.5	37
233	Phage nanofibers in nanomedicine: Biopanning for early diagnosis, targeted therapy, and proteomics analysis. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2020 , 12, e16233	9.2	7
232	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	7.5	3
231	Methylation Status of the Promoter Determines the Switch between Cancer Cells and Cancer Stem Cells. <i>Advanced Science</i> , 2020 , 7, 1903035	13.6	19
230	Plasmonic Hot-Electron-Induced Control of Emission Intensity and Dynamics of Visible and Infrared Semiconductor Quantum Dots. <i>Advanced Materials Interfaces</i> , 2020 , 7, 1901998	4.6	1
229	Quantification of silk protein using phage nanofibers with high binding specificity. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 5189-5194	7.3	4
228	Circ-MALAT1 Functions as Both an mRNA Translation Brake and a microRNA Sponge to Promote Self-Renewal of Hepatocellular Cancer Stem Cells. <i>Advanced Science</i> , 2020 , 7, 1900949	13.6	44

227	Molecular recognition-directed site-specific release of stem cell differentiation inducers for enhanced joint repair. <i>Biomaterials</i> , 2020 , 232, 119644	15.6	23
226	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	12.1	39
225	HIF-1 β -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	9.5	9
224	Sensitive protein detection and visualization using protein-binding peptides. <i>Microscopy Research and Technique</i> , 2020 , 83, 1165-1170	2.8	
223	Dual-mode fluorescent development of latent fingerprints using NaYbF ₄ :Tm upconversion nanomaterials. <i>Materials Today Advances</i> , 2020 , 8, 100113	7.4	6
222	Human Mesenchymal Stem Cell Derived Exosomes Enhance Cell-Free Bone Regeneration by Altering Their miRNAs Profiles. <i>Advanced Science</i> , 2020 , 7, 2001334	13.6	45
221	Aptamer-modified sensitive nanobiosensors for the specific detection of antibiotics. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 8607-8613	7.3	14
220	Wet-adhesive, haemostatic and antimicrobial bilayered composite nanosheets for sealing and healing soft-tissue bleeding wounds. <i>Biomaterials</i> , 2020 , 252, 120018	15.6	34
219	Polydopamine-Coated () Silk Fibroin Films Promote Cell Adhesion and Wound Healing in Skin Tissue Repair. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 34736-34743	9.5	42
218	Cartilage-targeting and dual MMP-13/pH responsive theranostic nanoprobe for osteoarthritis imaging and precision therapy. <i>Biomaterials</i> , 2019 , 225, 119520	15.6	48
217	Optimierung photodynamischer Krebstherapien auf der Grundlage physikalisch-chemischer Faktoren. <i>Angewandte Chemie</i> , 2019 , 131, 14204-14219	3.6	6
216	Enhancement of Photodynamic Cancer Therapy by Physical and Chemical Factors. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14066-14080	16.4	75
215	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	14.4	90
214	Ultralong tumor retention of theranostic nanoparticles with short peptide-enabled active tumor homing. <i>Materials Horizons</i> , 2019 , 6, 1845-1853	14.4	17
213	Bacterial flagella as an osteogenic differentiation nano-promoter. <i>Nanoscale Horizons</i> , 2019 , 4, 1286-1292	20.8	3
212	Bone Defect Model Dependent Optimal Pore Sizes of 3D-Plotted Beta-Tricalcium Phosphate Scaffolds for Bone Regeneration. <i>Small Methods</i> , 2019 , 3, 1900237	12.8	10
211	Air-plasma treatment promotes bone-like nano-hydroxylapatite formation on protein films for enhanced in vivo osteogenesis. <i>Biomaterials Science</i> , 2019 , 7, 2326-2334	7.4	11
210	Protein-Induced Gold Nanoparticle Assembly for Improving the Photothermal Effect in Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 11136-11143	9.5	43

209	Nanomaterials as photothermal therapeutic agents. <i>Progress in Materials Science</i> , 2019 , 99, 1-26	42.2	234
208	Spontaneous evolution of human skin fibroblasts into wound-healing keratinocyte-like cells. <i>Theranostics</i> , 2019 , 9, 5200-5213	12.1	5
207	Nanoparticle-Plant Interactions: Two-Way Traffic. <i>Small</i> , 2019 , 15, e1901794	11	48
206	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	8.1	56
205	Genetically Engineered Flagella Form Collagen-like Ordered Structures for Inducing Stem Cell Differentiation. <i>IScience</i> , 2019 , 17, 277-287	6.1	2
204	An injectable collagen-genipin-carbon dot hydrogel combined with photodynamic therapy to enhance chondrogenesis. <i>Biomaterials</i> , 2019 , 218, 119190	15.6	67
203	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	9.5	38
202	On the issue of transparency and reproducibility in nanomedicine. <i>Nature Nanotechnology</i> , 2019 , 14, 629-635	28.7	92
201	Hierarchical Ordered Assembly of Genetically Modifiable Viruses into Nanoridge-in-Microridge Structures. <i>Advanced Materials</i> , 2019 , 31, e1905577	24	8
200	Polydopamine modification of silk fibroin membranes significantly promotes their wound healing effect. <i>Biomaterials Science</i> , 2019 , 7, 5232-5237	7.4	23
199	Peptides encoded by noncoding genes: challenges and perspectives. <i>Signal Transduction and Targeted Therapy</i> , 2019 , 4, 57	21	9
198	Phage-based vaccines. <i>Advanced Drug Delivery Reviews</i> , 2019 , 145, 40-56	18.5	30
197	Bacteriophage-based biomaterials for tissue regeneration. <i>Advanced Drug Delivery Reviews</i> , 2019 , 145, 73-95	18.5	13
196	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	15.6	32
195	CaZnOS:Nd Emits Tissue-Penetrating near-Infrared Light upon Force Loading. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 14509-14516	9.5	45
194	Evolutionary selection of personalized melanoma cell/tissue dual-homing peptides for guiding bionanofibers to malignant tumors. <i>Chemical Communications</i> , 2018 , 54, 1631-1634	5.8	18
193	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 (Adv. Funct. Mater. 5/2018). <i>Advanced Functional Materials</i> , 2018 , 28, 1870034	15.6	2
192	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	9.5	88

191	Difunctional bacteriophage conjugated with photosensitizers for -targeting photodynamic inactivation. <i>International Journal of Nanomedicine</i> , 2018 , 13, 2199-2216	7.3	16
190	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	10.1	43
189	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	7.3	18
188	Fabrication of Sericin/Agrose Gel Loaded Lysozyme and Its Potential in Wound Dressing Application. <i>Nanomaterials</i> , 2018 , 8,	5.4	16
187	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	10.8	23
186	Electroactive polymers for tissue regeneration: Developments and perspectives. <i>Progress in Polymer Science</i> , 2018 , 81, 144-162	29.6	132
185	Virus-Based Cancer Therapeutics for Targeted Photodynamic Therapy. <i>Methods in Molecular Biology</i> , 2018 , 1776, 643-652	1.4	4
184	Cross Talk Between Autophagy and Apoptosis Contributes to ZnO Nanoparticle-Induced Human Osteosarcoma Cell Death. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1800332	10.1	15
183	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	16.7	191
182	Mechanically cartilage-mimicking poly(PCL-PTHF urethane)/collagen nanofibers induce chondrogenesis by blocking NF-kappa B signaling pathway. <i>Biomaterials</i> , 2018 , 178, 281-292	15.6	43
181	Metallic Nanoclusters for Cancer Imaging and Therapy. <i>Current Medicinal Chemistry</i> , 2018 , 25, 1379-1396	4.3	42
180	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	5
179	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	15.6	97
178	Integrating 3D Printing and Biomimetic Mineralization for Personalized Enhanced Osteogenesis, Angiogenesis, and Osteointegration. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 42146-42154	9.5	37
177	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	9.5	21
176	Encoding activities of non-coding RNAs. <i>Theranostics</i> , 2018 , 8, 2496-2507	12.1	27
175	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	9.5	25
174	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	16.4	98

173	A Rapidly Self-Healing Host-Guest Supramolecular Hydrogel with High Mechanical Strength and Excellent Biocompatibility. <i>Angewandte Chemie</i> , 2018 , 130, 9146-9150	3.6	27
172	Multifunctional Electrospun Nanofibers for Enhancing Localized Cancer Treatment. <i>Small</i> , 2018 , 14, e1801183	11.83	27
171	Quantum sensing using coherent control of near-field polarization of quantum dot-metallic nanoparticle molecules. <i>Journal of Applied Physics</i> , 2017 , 121, 014309	2.5	9
170	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	15.6	16
169	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,	3	12
168	Fluorescent Nanomaterials for the Development of Latent Fingerprints in Forensic Sciences. <i>Advanced Functional Materials</i> , 2017 , 27, 1606243	15.6	98
167	In situ protein-templated porous protein-hydroxylapatite nanocomposite microspheres for pH-dependent sustained anticancer drug release. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 3945-3954	7.3	22
166	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	2.8	8
165	Prospects of siRNA applications in regenerative medicine. <i>International Journal of Pharmaceutics</i> , 2017 , 524, 312-329	6.5	19
164	Ice-Templated Protein Nanoridges Induce Bone Tissue Formation. <i>Advanced Functional Materials</i> , 2017 , 27, 1703726	15.6	21
163	Cancer-derived Circulating MicroRNAs Promote Tumor Angiogenesis by Entering Dendritic Cells to Degrade Highly Complementary MicroRNAs. <i>Theranostics</i> , 2017 , 7, 1407-1421	12.1	20
162	Bone-Inspired Spatially Specific Piezoelectricity Induces Bone Regeneration. <i>Theranostics</i> , 2017 , 7, 3387-3397	33.97	44
161	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	7.3	17
160	3D printed personalized titanium plates improve clinical outcome in microwave ablation of bone tumors around the knee. <i>Scientific Reports</i> , 2017 , 7, 7626	4.9	37
159	Virus-Derived Peptides for Clinical Applications. <i>Chemical Reviews</i> , 2017 , 117, 10377-10402	68.1	38
158	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	4.9	21
157	Portable amperometric immunosensor for histamine detection using Prussian blue-chitosan-gold nanoparticle nanocomposite films. <i>Biosensors and Bioelectronics</i> , 2017 , 98, 305-309	11.8	68
156	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	9.5	26

155	Phage-Enabled Nanomedicine: From Probes to Therapeutics in Precision Medicine. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 1964-1992	16.4	98
154	Nanomedizin auf Phagenbasis: von Sonden zu Therapeutika für eine Präzisionsmedizin. <i>Angewandte Chemie</i> , 2017 , 129, 1992-2022	3.6	7
153	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,	10.3	35
152	Heterologous strategy enhancing the sensitivity of the fluorescence polarization immunoassay of ciprofloxacin in goat milk. <i>Journal of the Science of Food and Agriculture</i> , 2016 , 96, 1341-6	4.3	17
151	A Fibrous Localized Drug Delivery Platform with NIR-Triggered and Optically Monitored Drug Release. <i>Langmuir</i> , 2016 , 32, 9083-90	4	37
150	Tuning photothermal properties of gold nanodendrites for in vivo cancer therapy within a wide near infrared range by simply controlling their degree of branching. <i>Biomaterials</i> , 2016 , 104, 138-44	15.6	49
149	3D-printed guiding templates for improved osteosarcoma resection. <i>Scientific Reports</i> , 2016 , 6, 23335	4.9	63
148	In Vitro and in Vivo Mechanism of Bone Tumor Inhibition by Selenium-Doped Bone Mineral Nanoparticles. <i>ACS Nano</i> , 2016 , 10, 9927-9937	16.7	111
147	A Multifunctional Nanocrystalline CaF:Tm,Yb@mSiO System for Dual-Triggered and Optically Monitored Doxorubicin Delivery. <i>Particle and Particle Systems Characterization</i> , 2016 , 33, 896-905	3.1	15
146	Identification of Novel Short BaTiO-Binding/Nucleating Peptides for Phage-Templated in Situ Synthesis of BaTiO Polycrystalline Nanowires at Room Temperature. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 30714-30721	9.5	17
145	Toward a Molecular Understanding of the Antibacterial Mechanism of Copper-Bearing Titanium Alloys against Staphylococcus aureus. <i>Advanced Healthcare Materials</i> , 2016 , 5, 557-66	10.1	93
144	Genetically Engineered Virus Nanofibers as an Efficient Vaccine for Preventing Fungal Infection. <i>Advanced Healthcare Materials</i> , 2016 , 5, 786-94	10.1	24
143	Importance of dual delivery systems for bone tissue engineering. <i>Journal of Controlled Release</i> , 2016 , 225, 152-69	11.7	113
142	Optically Monitoring Mineralization and Demineralization on Photoluminescent Bioactive Nanofibers. <i>Langmuir</i> , 2016 , 32, 3226-33	4	15
141	The effect and fate of water-soluble carbon nanodots in maize (<i>Zea mays</i> L.). <i>Nanotoxicology</i> , 2016 , 10, 818-28	5.3	38
140	Cell-Specific Promoters Enable Lipid-Based Nanoparticles to Deliver Genes to Specific Cells of the Retina In Vivo. <i>Theranostics</i> , 2016 , 6, 1514-27	12.1	26
139	Ti nanorod arrays with a medium density significantly promote osteogenesis and osteointegration. <i>Scientific Reports</i> , 2016 , 6, 19047	4.9	12
138	Built-in microscale electrostatic fields induced by anatase-rutile-phase transition in selective areas promote osteogenesis. <i>NPG Asia Materials</i> , 2016 , 8,	10.3	26

137	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, 863-77	4	23
136	Phage as a Genetically Modifiable Supramacromolecule in Chemistry, Materials and Medicine. <i>Accounts of Chemical Research</i> , 2016 , 49, 1111-20	24.3	72
135	Bio-Templated Growth of Bone Minerals from Modified Simulated Body Fluid on Nanofibrous Decellularized Natural Tissues. <i>Journal of Biomedical Nanotechnology</i> , 2016 , 12, 753-61	4	21
134	Surface-Selective Preferential Production of Reactive Oxygen Species on Piezoelectric Ceramics for Bacterial Killing. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 24306-9	9.5	38
133	Vaccine Against Fungal Infections: Genetically Engineered Virus Nanofibers as an Efficient Vaccine for Preventing Fungal Infection (Adv. Healthcare Mater. 7/2016). <i>Advanced Healthcare Materials</i> , 2016 , 5, 746-746	10.1	
132	Effective Spatial Separation of PC12 and NIH3T3 Cells by the Microgrooved Surface of Biocompatible Polymer Substrates. <i>Langmuir</i> , 2015 , 31, 6797-806	4	16
131	Addition of Zn to the ternary Mg-Ca-Sr alloys significantly improves their antibacterial property. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 6676-6689	7.3	53
130	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	6.9	29
129	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, 7084-90	4	110
128	Ultrasensitive rapid detection of human serum antibody biomarkers by biomarker-capturing viral nanofibers. <i>ACS Nano</i> , 2015 , 9, 4475-4483	16.7	69
127	NIR-induced highly sensitive detection of latent finger-marks by NaYF ₄ :Yb,Er upconversion nanoparticles in a dry powder state. <i>Nano Research</i> , 2015 , 8, 1800-1810	10	105
126	Ca-induced self-assembly of 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	7.2	49
125	Biomineralization of Natural Collagenous Nanofibrous Membranes and Their Potential Use in Bone Tissue Engineering. <i>Journal of Biomedical Nanotechnology</i> , 2015 , 11, 447-56	4	31
124	Silk as a potential candidate for bone tissue engineering. <i>Journal of Controlled Release</i> , 2015 , 215, 112-28	1.7	100
123	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, 1815-22	4	127
122	Microgrooved Polymer Substrates Promote Collective Cell Migration To Accelerate Fracture Healing in an in Vitro Model. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 23336-45	9.5	40
121	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	19
120	Near-infrared luminescent CaTiO ₃ :Nd nanofibers with tunable and trackable drug release kinetics. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 7449-7456	7.3	32

119	Phage-mediated counting by the naked eye of miRNA molecules at attomolar concentrations in a Petri dish. <i>Nature Materials</i> , 2015 , 14, 1058-64	27	69
118	"Cleaning" the Surface of Hydroxyapatite Nanorods by a Reaction-Dissolution Approach. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 7667-7672	7.3	5
117	pH-Triggered SrTiO ₃ :Er Nanofibers with Optically Monitored and Controlled Drug Delivery Functionality. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 25514-21	9.5	22
116	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	6
115	Influence of Surrounding Cations on the Surface Degradation of Magnesium Alloy Implants under a Compressive Pressure. <i>Langmuir</i> , 2015 , 31, 13561-70	4	9
114	Selenite-Releasing Bone Mineral Nanoparticles Retard Bone Tumor Growth and Improve Healthy Tissue Functions In Vivo. <i>Advanced Healthcare Materials</i> , 2015 , 4, 1813-8	10.1	23
113	Synthesis of CaTiO Nanofibers with Controllable Drug-Release Kinetics. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 4532-4538	2.3	7
112	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, 15100-9	4.6	142
111	Rare Earth Fluorescent Nanomaterials for Enhanced Development of Latent Fingerprints. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 28110-5	9.5	137
110	Reiterated Targeting Peptides on the Nanoparticle Surface Significantly Promote Targeted Vascular Endothelial Growth Factor Gene Delivery to Stem Cells. <i>Biomacromolecules</i> , 2015 , 16, 3897-903	6.9	17
109	Phage nanofibers induce vascularized osteogenesis in 3D printed bone scaffolds. <i>Advanced Materials</i> , 2014 , 26, 4961-4966	24	171
108	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	7.4	27
107	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 , 2014, 7872-7876	7.3	14
106	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, 5257-63	11.5	73
105	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	15
104	Tuning molecular weights of Bombyx mori (B. mori) silk sericin to modify its assembly structures and materials formation. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 13782-9	9.5	43
103	Stem cells loaded with nanoparticles as a drug carrier for in vivo breast cancer therapy. <i>Advanced Materials</i> , 2014 , 26, 4627-31	24	85
102	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, 5952-5961	7.3	23

101	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, 4794-4807	7.3	63
100	Biomimetic nucleation of hydroxyapatite crystals mediated by Antheraea pernyi silk sericin promotes osteogenic differentiation of human bone marrow derived mesenchymal stem cells. <i>Biomacromolecules</i> , 2014 , 15, 1185-93	6.9	76
99	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	4.9	27
98	Reversibly Controlling Preferential Protein Adsorption on Bone Implants by Using an Applied Weak Potential as a Switch. <i>Angewandte Chemie</i> , 2014 , 126, 13284-13288	3.6	7
97	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, 13068-72	16.4	35
96	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	11.5	64
95	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	3.4	16
94	Phage as a template to grow bone mineral nanocrystals. <i>Methods in Molecular Biology</i> , 2014 , 1108, 123-354		6
93	Using phage as a platform to select cancer cell-targeting peptides. <i>Methods in Molecular Biology</i> , 2014 , 1108, 57-68	1.4	11
92	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, 936-41	2.8	21
91	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, 2492-6	24	22
90	Virus-mimetic cytoplasm-cleavable magnetic/silica nanoclusters for enhanced gene delivery to mesenchymal stem cells. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 11278-81	16.4	56
89	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	3.8	11
88	Virus activated artificial ECM induces the osteoblastic differentiation of mesenchymal stem cells without osteogenic supplements. <i>Scientific Reports</i> , 2013 , 3, 1242	4.9	74
87	One-pot synthesis of surface roughness controlled hollow silica spheres with enhanced drug loading and release profile under ambient conditions in aqueous solutions. <i>Journal of Materials Chemistry B</i> , 2013 , 1,	7.3	23
86	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, 11750-4	16.4	29
85	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, 215-21	11	76
84	Virus-based photo-responsive nanowires formed by linking site-directed mutagenesis and chemical reaction. <i>Scientific Reports</i> , 2013 , 3, 1820	4.9	31

83	Controlled Alignment of Filamentous Supramolecular Assemblies of Biomolecules into Centimeter-Scale Highly Ordered Patterns by Using Nature-Inspired Magnetic Guidance. <i>Angewandte Chemie</i> , 2013 , 125, 11966-11970	3.6	6
82	Virus-Mimetic Cytoplasm-Cleavable Magnetic/Silica Nanoclusters for Enhanced Gene Delivery to Mesenchymal Stem Cells. <i>Angewandte Chemie</i> , 2013 , 125, 11488-11491	3.6	13
81	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	15.6	66
80	Oxide Formation on Biological Nanostructures via a Structure-Directing Agent: Towards an Understanding of Precise Structural Transcription. <i>Chemical Science</i> , 2012 , 3, 2639-2645	9.4	43
79	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, 15702-15709 ⁶		
78	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	5.7	34
77	Biotemplated synthesis of hollow double-layered core/shell titania/silica nanotubes under ambient conditions. <i>Small</i> , 2012 , 8, 3691-7	11	34
76	Flagellar display of bone-protein-derived peptides for studying peptide-mediated biomineralization. <i>Langmuir</i> , 2012 , 28, 16338-46	4	13
75	Osteogenic differentiation of bone marrow mesenchymal stem cells on the collagen/silk fibroin bi-template-induced biomimetic bone substitutes. <i>Journal of Biomedical Materials Research - Part A</i> , 2012 , 100, 2929-38	5.4	38
74	Controlling Nanostructures of Mesoporous Silica Fibers by Supramolecular Assembly of Genetically Modifiable Bacteriophages. <i>Angewandte Chemie</i> , 2012 , 124, 6517-6521	3.6	12
73	Controlling nanostructures of mesoporous silica fibers by supramolecular assembly of genetically modifiable bacteriophages. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 6411-5	16.4	54
72	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, 673-9	3.1	61
71	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		104
70	Novel microwave-assisted solvothermal synthesis of NaYF ₄ :Yb,Er upconversion nanoparticles and their application in cancer cell imaging. <i>Langmuir</i> , 2011 , 27, 14632-7	4	94
69	Upconversion nanoparticles: synthesis, surface modification and biological applications. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2011 , 7, 710-29	6	359
68	Bio-inspired supramolecular self-assembly towards soft nanomaterials. <i>Frontiers of Materials Science</i> , 2011 , 5, 247-265	2.5	33
67	Transmission electron microscopy as a tool to image bioinorganic nanohybrids: the case of phage-gold nanocomposites. <i>Microscopy Research and Technique</i> , 2011 , 74, 627-35	2.8	30
66	Development of a successive targeting liposome with multi-ligand for efficient targeting gene delivery. <i>Journal of Gene Medicine</i> , 2011 , 13, 290-301	3.5	18

65	Viscosity gradient as a novel mechanism for the centrifugation-based separation of nanoparticles. <i>Advanced Materials</i> , 2011 , 23, 4880-5	24	48
64	Controlled Self-Assembly of Rodlike Bacterial Pili Particles into Ordered Lattices. <i>Angewandte Chemie</i> , 2011 , 123, 6388-6392	3.6	8
63	Controlled self-assembly of rodlike bacterial pili particles into ordered lattices. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 6264-8	16.4	31
62	Inside Cover: Controlled Self-Assembly of Rodlike Bacterial Pili Particles into Ordered Lattices (Angew. Chem. Int. Ed. 28/2011). <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 6184-6184	16.4	
61	Bio-imaging, detection and analysis by using nanostructures as SERS substrates. <i>Journal of Materials Chemistry</i> , 2011 , 21, 5190-5202		100
60	Self-assembly and mineralization of genetically modifiable biological nanofibers driven by Estructure formation. <i>Biomacromolecules</i> , 2011 , 12, 2193-9	6.9	57
59	Controlled growth and differentiation of MSCs on grooved films assembled from monodisperse biological nanofibers with genetically tunable surface chemistries. <i>Biomaterials</i> , 2011 , 32, 4744-52	15.6	91
58	Biosynthesis and characterization of CdS quantum dots in genetically engineered Escherichia coli. <i>Journal of Biotechnology</i> , 2011 , 153, 125-32	3.7	82
57	Chapter 10:Filamentous Phage-templated Synthesis and Assembly of Inorganic Nanomaterials. <i>RSC Nanoscience and Nanotechnology</i> , 2011 , 220-244		3
56	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	1.7	6
55	Atomic Layer Deposition of Al ₂ O ₃ on Biological Pili Substrate. <i>ECS Transactions</i> , 2010 , 33, 43-48	1	3
54	Architectonics of phage-liposome nanowebs as optimized photosensitizer vehicles for photodynamic cancer therapy. <i>Molecular Cancer Therapeutics</i> , 2010 , 9, 2524-35	6.1	32
53	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, 1629-42	5.6	53
52	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	5.6	5
51	Biomimetic branched hollow fibers templated by self-assembled fibrous polyvinylpyrrolidone structures in aqueous solution. <i>ACS Nano</i> , 2010 , 4, 1573-9	16.7	70
50	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, 17704-17712	16.4	135
49	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, 1141-8	7.7	144
48	Bacteriophage Bundles with Pre-Aligned Ca Initiate the Oriented Nucleation and Growth of Hydroxylapatite. <i>Chemistry of Materials</i> , 2010 , 22, 3630-3636	9.6	73

47	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, 548-54	2.8	4
46	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, 1278-84	4	155
45	Nanofibrous bio-inorganic hybrid structures formed through self-assembly and oriented mineralization of genetically engineered phage nanofibers. <i>Small</i> , 2010 , 6, 2230-5	11	69
44	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	24	61
43	Die Anwendung von Viren in Chemo- und Biosensoren. <i>Angewandte Chemie</i> , 2009 , 121, 6922-6943	3.6	14
42	Virus-based chemical and biological sensing. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 6790-8104	10.4	217
41	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	2.3	14
40	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, 1963-9	11	63
39	Immunolabeling and NIR-excited fluorescent imaging of HeLa cells by using NaYF ₄ (4):Yb,Er upconversion nanoparticles. <i>ACS Nano</i> , 2009 , 3, 1580-6	16.7	491
38	Identification of microtubule-binding domains on microtubule-associated proteins by major coat phage display technique. <i>Biomacromolecules</i> , 2009 , 10, 555-64	6.9	36
37	NIR-responsive silica-coated NaYbF ₄ (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	3.8	166
36	Nanotubes connected to a micro-tank: hybrid micro-/nano-silica architectures transcribed from living bacteria as bioreactors. <i>Chemical Communications</i> , 2009 , 1222-4	5.8	17
35	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	3.6	23
34	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, 8783-9	7.8	214
33	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	15.6	37
32	Oriented nucleation of hydroxylapatite crystals on spider dragline silks. <i>Langmuir</i> , 2007 , 23, 10701-5	4	58
31	Protein-Mediated Nanocrystal Assembly for Flash Memory Fabrication. <i>IEEE Transactions on Electron Devices</i> , 2007 , 54, 433-438	2.9	39
30	Virus-based toolkit for the directed synthesis of magnetic and semiconducting nanowires. <i>Science</i> , 2004 , 303, 213-7	33.3	871

29	Bacterial biosynthesis of cadmium sulfide nanocrystals. <i>Chemistry and Biology</i> , 2004 , 11, 1553-9		340
28	Biological Routes to Metal Alloy Ferromagnetic Nanostructures. <i>Nano Letters</i> , 2004 , 4, 1127-1132	11.5	185
27	Building Quantum Dots into Solids with Well-Defined Shapes. <i>Advanced Functional Materials</i> , 2003 , 13, 648-656	15.6	12
26	Synthesis and organization of nanoscale III-V semiconductor materials using evolved peptide specificity and viral capsid assembly. <i>Journal of Materials Chemistry</i> , 2003 , 13, 2414-2421		155
25	Optical anisotropy in individual CdS quantum dot ensembles. <i>Physical Review B</i> , 2003 , 68,	3.3	10
24	Viral assembly of oriented quantum dot nanowires. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 6946-51	11.5	415
23	Ordering of quantum dots using genetically engineered viruses. <i>Science</i> , 2002 , 296, 892-5	33.3	877
22	Surface micro-structuring of silicon by excimer-laser irradiation in reactive atmospheres. <i>Applied Surface Science</i> , 2000 , 168, 251-257	6.7	37
21	Oriented growth of phosphates on polycrystalline titanium in a process mimicking biomineralization. <i>Journal of Crystal Growth</i> , 1999 , 206, 308-321	1.6	56
20	The functionalization of titanium with EDTA to induce biomimetic mineralization of hydroxyapatite. <i>Journal of Materials Chemistry</i> , 1999 , 9, 2573-2582		43
19	Biomimetic Growth of Calcium Phosphates with an Organized Hydroxylated Surface as Template. <i>Journal of Materials Science Letters</i> , 1998 , 17, 1341-1343		3
18	Biomimetic Growth of Calcium Phosphates with an Organized Hydroxylated Surface as Template. <i>Journal of Materials Science Letters</i> , 1998 , 17, 1479-1481		6
17	Rapid one-powder process to synthesize phase assemblage composed of (Bi,Pb) ₂ Sr ₂ CaCu ₂ O _x , Ca ₂ CuO ₃ and CuO. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 303, 28-32	1.3	3
16	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		44
15	Manufacture of ultrafine BiPbSrCaCuO powder by an in situ nanometre reaction process. <i>Superconductor Science and Technology</i> , 1997 , 10, 47-51	3.1	2
14	Spectroscopic investigations of adsorption during fabrication of superconducting tape. <i>Superconductor Science and Technology</i> , 1997 , 10, 241-248	3.1	3
13	Optimization of the solution-gel process to synthesize homogeneous BiPbSrCaCuO powder. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 281, 27-34	1.3	4
12	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	1.3	11

11	Interaction between BiPbSrCaCuO powder and ambient atmosphere. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 281, 149-158	1.3	3
10	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	1.3	10
9	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	3.1	1
8	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	3.1	7
7	Nanocrystal flash memory fabricated with protein-mediated assembly		3
6	Establishment of a Knowledge-and-Data-Driven Artificial Intelligence System with Robustness and Interpretability in Laboratory Medicine. <i>Advanced Intelligent Systems</i> ,2100204	6	
5	Soil is a key factor influencing gut microbiota and its effect is comparable to that exerted by diet for mice. <i>F1000Research</i> ,7, 1588	3.6	7
4	Stem Cell: Peptide and Protein-Modified Surfaces for Cell Niche7565-7576		
3	3D Knee Kinematic Parameters Effectively Diagnose Knee Osteoarthritis and Assess Its Therapeutic Strategy. <i>Advanced Intelligent Systems</i> ,2100161	6	
2	Detection, prevention and treatment of COVID-19 and opportunities for nanobiotechnology. <i>View</i> ,202000181	7.1	3
1	Bionanoparticles in cancer imaging, diagnosis, and treatment. <i>View</i> ,202000027	7.8	2