

Zhongwei Niu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5324359/publications.pdf>

Version: 2024-02-01

48
papers

2,354
citations

172457

29
h-index

206112

48
g-index

52
all docs

52
docs citations

52
times ranked

3610
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Nano/Microstructures at Fluid Interfaces. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 10052-10066.	13.8	188
2	Natural supramolecular building blocks: from virus coat proteins to viral nanoparticles. <i>Chemical Society Reviews</i> , 2012, 41, 6178.	38.1	168
3	Biological Templated Synthesis of Water-Soluble Conductive Polymeric Nanowires. <i>Nano Letters</i> , 2007, 7, 3729-3733.	9.1	158
4	Viruses and virus-like protein assembliesâ€”Chemically programmable nanoscale building blocks. <i>Nano Research</i> , 2009, 2, 349-364.	10.4	115
5	Self-Assembly of Tobacco Mosaic Virus at Oil/Water Interfaces. <i>Langmuir</i> , 2009, 25, 4979-4987.	3.5	100
6	Self-Assembly of Rodlike Bio-nanoparticles in Capillary Tubes. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 868-872.	13.8	97
7	Assembly of Tobacco Mosaic Virus into Fibrous and Macroscopic Bundled Arrays Mediated by Surface Aniline Polymerization. <i>Langmuir</i> , 2007, 23, 6719-6724.	3.5	95
8	Hierarchical Self-Assembly of Responsive Organoplatinum(II) Metallacycleâ€”TMV Complexes with Turn-On Fluorescence. <i>Journal of the American Chemical Society</i> , 2016, 138, 12033-12036.	13.7	91
9	Size Dependent Cellular Uptake of Rod-like Bionanoparticles with Different Aspect Ratios. <i>Scientific Reports</i> , 2016, 6, 24567.	3.3	88
10	Study and characterization of tobacco mosaic virus head-to-tail assembly assisted by aniline polymerization. <i>Chemical Communications</i> , 2006, , 3019.	4.1	82
11	Membrane intercalation-enhanced photodynamic inactivation of bacteria by a metallacycle and TAT-decorated virus coat protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 23437-23443.	7.1	78
12	Title is missing!. <i>Angewandte Chemie</i> , 2003, 115, 1987-1989.	2.0	71
13	3D-printable supramolecular hydrogels with shear-thinning property: fabricating strength tunable bioink via dual crosslinking. <i>Bioactive Materials</i> , 2020, 5, 808-818.	15.6	64
14	Integration of Cell-Penetrating Peptides with Rod-like Bionanoparticles: Virus-Inspired Gene-Silencing Technology. <i>Nano Letters</i> , 2018, 18, 5453-5460.	9.1	54
15	Multifunctional self-assembled polymeric nanoprobe for FRET-based ratiometric detection of mitochondrial H_2O_2 in living cells. <i>Chemical Communications</i> , 2015, 51, 3641-3644.	4.1	53
16	Closed-Packed Colloidal Assemblies from Icosahedral Plant Virus and Polymer. <i>Chemistry of Materials</i> , 2009, 21, 1046-1050.	6.7	50
17	Tobacco mosaic virus templated synthesis of one dimensional inorganicâ€”polymer hybrid fibres. <i>Journal of Materials Chemistry</i> , 2009, 19, 2841.	6.7	48
18	Bacteriophage M13 as a scaffold for preparing conductive polymeric composite fibers. <i>Nano Research</i> , 2008, 1, 235-241.	10.4	47

#	ARTICLE	IF	CITATIONS
19	Electrospinning fabrication, structural and mechanical characterization of rod-like virus-based composite nanofibers. <i>Journal of Materials Chemistry</i> , 2011, 21, 8550.	6.7	47
20	Probing the Endocytic Pathways of the Filamentous Bacteriophage in Live Cells Using Ratiometric pH Fluorescent Indicator. <i>Advanced Healthcare Materials</i> , 2015, 4, 413-419.	7.6	47
21	Tobacco mosaic virus based thin film sensor for detection of volatile organic compounds. <i>Journal of Materials Chemistry</i> , 2010, 20, 5715.	6.7	39
22	Luminescent supramolecular polymer nanoparticles for ratiometric hypoxia sensing, imaging and therapy. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1893-1899.	5.9	39
23	Opal Hydrogels Derived by Sulfonation of Polystyrene Colloidal Crystals. <i>Macromolecular Materials and Engineering</i> , 2002, 287, 627-633.	3.6	38
24	Enhanced orientation of PEO polymer chains induced by nanoclays in electrospun PEO/clay composite nanofibers. <i>Colloid and Polymer Science</i> , 2013, 291, 1541-1546.	2.1	34
25	Glyco-decorated tobacco mosaic virus as a vector for cisplatin delivery. <i>Journal of Materials Chemistry B</i> , 2017, 5, 2078-2085.	5.8	34
26	Combating <i>Pseudomonas aeruginosa</i> Biofilms by a Chitosan-PEG-Peptide Conjugate via Changes in Assembled Structure. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 13731-13738.	8.0	34
27	Synthesis and characterization of bionanoparticle-Silica composites and mesoporous silica with large pores. <i>Nano Research</i> , 2009, 2, 474-483.	10.4	32
28	One-Pot Green Synthesis of Nitrogen-Doped Carbon Quantum Dots for Cell Nucleus Labeling and Copper(II) Detection. <i>Chemistry - an Asian Journal</i> , 2017, 12, 2916-2921.	3.3	31
29	Tobacco Mosaic Virus-Based 1D Nanorod-Drug Carrier via the Integrin-Mediated Endocytosis Pathway. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 10800-10807.	8.0	29
30	Balancing antimicrobial activity with biological safety: bifunctional chitosan derivative for the repair of wounds with Gram-positive bacterial infections. <i>Journal of Materials Chemistry B</i> , 2018, 6, 3884-3893.	5.8	29
31	Edge-modified amphiphilic Laponite nano-discs for stabilizing Pickering emulsions. <i>Journal of Colloid and Interface Science</i> , 2013, 410, 27-32.	9.4	28
32	Structure and interaction in 2D assemblies of tobacco mosaic viruses. <i>Soft Matter</i> , 2009, 5, 4951.	2.7	22
33	Programming Self-Assembly of Tobacco Mosaic Virus Coat Proteins at Pickering Emulsion Interfaces for Nanorod-Constructed Capsules. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 27383-27389.	8.0	21
34	Fluorous interaction induced self-assembly of tobacco mosaic virus coat protein for cisplatin delivery. <i>Nanoscale</i> , 2018, 10, 11732-11736.	5.6	20
35	Confined chromophores in tobacco mosaic virus to mimic green fluorescent protein. <i>Chemical Communications</i> , 2015, 51, 15122-15124.	4.1	18
36	Integrating a DNA Strand Displacement Reaction with a Whispering Gallery Mode Sensor for Label-Free Mercury (II) Ion Detection. <i>Sensors</i> , 2016, 16, 1197.	3.8	18

#	ARTICLE	IF	CITATIONS
37	Polymer-virus core-shell structures prepared via co-assembly and template synthesis methods. <i>Science China Chemistry</i> , 2010, 53, 71-77.	8.2	15
38	Conjugating Peptides onto 1D Rodlike Bionanoparticles for Enhanced Activity against Gram-Negative Bacteria. <i>Nano Letters</i> , 2021, 21, 1722-1728.	9.1	15
39	Crosslinkable Composite Spheres and Capsules Synthesized by Heterocoagulation. <i>Macromolecular Rapid Communications</i> , 2005, 26, 1002-1007.	3.9	14
40	Mussel-Inspired Polydopamine Coating on Tobacco Mosaic Virus: One-Dimensional Hybrid Nanofibers for Gold Nanoparticle Growth. <i>Langmuir</i> , 2017, 33, 9866-9872.	3.5	14
41	Self-assembly of anisotropic tobacco mosaic virus nanoparticles on gold substrate. <i>Science China Chemistry</i> , 2011, 54, 137-143.	8.2	7
42	Hetero-epitaxy of anisotropic polycaprolactone films for the guidance of smooth muscle cell growth. <i>Chemical Communications</i> , 2013, 49, 10421-10423.	4.1	3
43	Template Synthesis of Uniform 1D Mesostructured Silica Materials and Their Arrays in Anodic Alumina Membranes. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 4719-4719.	13.8	2
44	Development of Functional Materials from Rod-Like Viruses. , 0, , 1-29.		2
45	Synthesis and Characterization of Tobacco Mosaic Virus Templated Polymeric Nanomaterials. <i>ACS Symposium Series</i> , 2008, , 369-385.	0.5	1
46	Viral Nanoparticles: Probing the Endocytic Pathways of the Filamentous Bacteriophage in Live Cells Using Ratiometric pH Fluorescent Indicator (<i>Adv. Healthcare Mater.</i> 3/2015). <i>Advanced Healthcare Materials</i> , 2015, 4, 412-412.	7.6	1
47	Phenotype Regulation of Smooth Muscle Cells Through Facial Crystallization of Poly(<i>ε</i> -Caprolactone). <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 2269-2275.	0.9	1
48	Self-Assembly of Rod-Like Bionanoparticles at Interfaces and in Solution. <i>Methods in Molecular Biology</i> , 2018, 1776, 159-167.	0.9	0