

Shihui Wen

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.

76
papers

5,003
citations

35
h-index

70
g-index

91
ext. papers

5,855
ext. citations

9.8
avg, IF

5.67
L-index

#	Paper	IF	Citations
76	Enhancing Hybrid Upconversion Nanosystems via Synergistic Effects of Moiety Engineered NIR Dyes. <i>Nano Letters</i> , 2021 , 21, 9862-9868	11.5	5
75	Reconstructing the Surface Structure of NaREF4 Upconversion Nanocrystals with a Novel K+ Treatment. <i>Chemistry of Materials</i> , 2021 , 33, 2548-2556	9.6	3
74	Axial localization and tracking of self-interference nanoparticles by lateral point spread functions. <i>Nature Communications</i> , 2021 , 12, 2019	17.4	4
73	Stable and Highly Efficient Antibody-Nanoparticles Conjugation. <i>Bioconjugate Chemistry</i> , 2021 , 32, 1146-1155	4.355	4
72	Learning from lanthanide complexes: The development of dye-lanthanide nanoparticles and their biomedical applications. <i>Coordination Chemistry Reviews</i> , 2021 , 429, 213642	23.2	26
71	Optical tweezers beyond refractive index mismatch using highly doped upconversion nanoparticles. <i>Nature Nanotechnology</i> , 2021 , 16, 531-537	28.7	18
70	Optimizing the Polymer Cloak for Upconverting Nanoparticles: An Evaluation of Bioactivity and Optical Performance. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 16142-16154	9.5	3
69	Upconversion nanoparticle-assisted single-molecule assay for detecting circulating antigens of aggressive prostate cancer. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2021 ,	4.6	2
68	Video-rate upconversion display from optimized lanthanide ion doped upconversion nanoparticles. <i>Nanoscale</i> , 2020 , 12, 18595-18599	7.7	9
67	Upconversion Nonlinear Structured Illumination Microscopy. <i>Nano Letters</i> , 2020 , 20, 4775-4781	11.5	19
66	Sub-10 nm NaNdF4 Nanoparticles as Near-Infrared Photothermal Probes with Self-Temperature Feedback. <i>ACS Applied Nano Materials</i> , 2020 , 3, 2517-2526	5.6	13
65	Cancer Spheroids: Super-Resolution Mapping of Single Nanoparticles inside Tumor Spheroids (Small 6/2020). <i>Small</i> , 2020 , 16, 2070030	11	
64	Super-Resolution Mapping of Single Nanoparticles inside Tumor Spheroids. <i>Small</i> , 2020 , 16, e1905572	11	18
63	Nanorods with multidimensional optical information beyond the diffraction limit. <i>Nature Communications</i> , 2020 , 11, 6047	17.4	12
62	Highly Doped Upconversion Nanoparticles for Applications Under Mild Excitation Power. <i>Analytical Chemistry</i> , 2020 , 92, 10913-10919	7.8	3
61	Future and challenges for hybrid upconversion nanosystems. <i>Nature Photonics</i> , 2019 , 13, 828-838	33.9	73
60	AI-Egen based poly(L-lactic-co-glycolic acid) magnetic nanoparticles to localize cytokine VEGF for early cancer diagnosis and photothermal therapy. <i>Nanomedicine</i> , 2019 , 14, 1191-1201	5.6	13

59	Optimising passivation shell thickness of single upconversion nanoparticles using a time-resolved spectrometer. <i>APL Photonics</i> , 2019 , 4, 026104	5.2	18
58	Anisotropic functionalization of upconversion nanoparticles. <i>Chemical Science</i> , 2018 , 9, 4352-4358	9.4	31
57	Bispecific Antibody-Functionalized Upconversion Nanoprobe. <i>Analytical Chemistry</i> , 2018 , 90, 3024-3029	7.8	15
56	Tc-labelled multifunctional polyethylenimine-entrapped gold nanoparticles for dual mode SPECT and CT imaging. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018 , 46, 488-498	6.1	15
55	Systematic investigation of functional ligands for colloidal stable upconversion nanoparticles.. <i>RSC Advances</i> , 2018 , 8, 4842-4849	3.7	46
54	Activation of the surface dark-layer to enhance upconversion in a thermal field. <i>Nature Photonics</i> , 2018 , 12, 154-158	33.9	174
53	Multi-photon near-infrared emission saturation nanoscopy using upconversion nanoparticles. <i>Nature Communications</i> , 2018 , 9, 3290	17.4	92
52	One-Step Loading of Gold and GdO Nanoparticles within PEGylated Polyethylenimine for Dual Mode Computed Tomography/Magnetic Resonance Imaging of Tumors.. <i>ACS Applied Bio Materials</i> , 2018 , 1, 221-225	4.1	7
51	DNA-mediated anisotropic silica coating of upconversion nanoparticles. <i>Chemical Communications</i> , 2018 , 54, 7183-7186	5.8	5
50	Advances in highly doped upconversion nanoparticles. <i>Nature Communications</i> , 2018 , 9, 2415	17.4	502
49	Exonuclease III-Assisted Upconversion Resonance Energy Transfer in a Wash-Free Suspension DNA Assay. <i>Analytical Chemistry</i> , 2018 , 90, 663-668	7.8	31
48	Quantitative Lateral Flow Strip Sensor Using Highly Doped Upconversion Nanoparticles. <i>Analytical Chemistry</i> , 2018 , 90, 12356-12360	7.8	65
47	Microscopic inspection and tracking of single upconversion nanoparticles in living cells. <i>Light: Science and Applications</i> , 2018 , 7, 18007	16.7	92
46	Amplified stimulated emission in upconversion nanoparticles for super-resolution nanoscopy. <i>Nature</i> , 2017 , 543, 229-233	50.4	473
45	A promising dual mode SPECT/CT imaging platform based on Tc-labeled multifunctional dendrimer-entrapped gold nanoparticles. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 3810-3815	7.3	34
44	Targeted CT/MR dual mode imaging of human hepatocellular carcinoma using lactobionic acid-modified polyethyleneimine-entrapped gold nanoparticles. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 2395-2401	7.3	18
43	Enhanced energy transfer in heterogeneous nanocrystals for near infrared upconversion photocurrent generation. <i>Nanoscale</i> , 2017 , 9, 18661-18667	7.7	9
42	One-step Conjugation of Glycyrrhetic Acid to Cationic Polymers for High-performance Gene Delivery to Cultured Liver Cell. <i>Scientific Reports</i> , 2016 , 6, 21891	4.9	16

41	Ultrastable polyethyleneimine-stabilized gold nanoparticles modified with polyethylene glycol for blood pool, lymph node and tumor CT imaging. <i>Nanoscale</i> , 2016 , 8, 5567-77	7.7	32
40	Three-dimensional controlled growth of monodisperse sub-50 nm heterogeneous nanocrystals. <i>Nature Communications</i> , 2016 , 7, 10254	17.4	205
39	Construction of polydopamine-coated gold nanostars for CT imaging and enhanced photothermal therapy of tumors: an innovative theranostic strategy. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 4216-4226	7.3	64
38	Probing the Interior Crystal Quality in the Development of More Efficient and Smaller Upconversion Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 3252-8	6.4	35
37	Multifunctional dendrimer-entrapped gold nanoparticles modified with RGD peptide for targeted computed tomography/magnetic resonance dual-modal imaging of tumors. <i>Analytical Chemistry</i> , 2015 , 87, 3949-56	7.8	111
36	Partially Acetylated Dendrimer-Entrapped Gold Nanoparticles with Reduced Cytotoxicity for Gene Delivery Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 4094-105	1.3	28
35	Hyaluronic acid-modified multiwalled carbon nanotubes for targeted delivery of doxorubicin into cancer cells. <i>Carbohydrate Research</i> , 2015 , 405, 70-7	2.9	78
34	Encapsulation of doxorubicin within lactobionic acid-modified multifunctional poly(amidoamine) dendrimers for targeted therapy of liver cancer cells. <i>Journal of Controlled Release</i> , 2015 , 213, e31-2	11.7	4
33	Dendrimer-Assisted Formation of Fe ₃ O ₄ /Au Nanocomposite Particles for Targeted Dual Mode CT/MR Imaging of Tumors. <i>Small</i> , 2015 , 11, 4584-93	11	107
32	Facile Synthesis of Gd(OH) ₃ -Doped Fe ₃ O ₄ Nanoparticles for Dual-Mode T ₁ - and T ₂ -Weighted Magnetic Resonance Imaging Applications. <i>Particle and Particle Systems Characterization</i> , 2015 , 32, 934-943	3.1	16
31	Iron Oxide Nanoparticles: Facile Synthesis of Gd(OH) ₃ -Doped Fe ₃ O ₄ Nanoparticles for Dual-Mode T ₁ - and T ₂ -Weighted Magnetic Resonance Imaging Applications (Part. Part. Syst. Charact. 10/2015). <i>Particle and Particle Systems Characterization</i> , 2015 , 32, 918-918	3.1	1
30	Dendrimer-entrapped metal colloids as imaging agents. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2015 , 7, 678-90	9.2	11
29	Folic acid-modified laponite nanodisks for targeted anticancer drug delivery. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 7410-7418	7.3	61
28	Multifunctional lactobionic acid-modified dendrimers for targeted drug delivery to liver cancer cells: investigating the role played by PEG spacer. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 16416-25	9.5	116
27	Targeted cancer theranostics using alpha-tocopheryl succinate-conjugated multifunctional dendrimer-entrapped gold nanoparticles. <i>Biomaterials</i> , 2014 , 35, 7635-46	15.6	158
26	Doxorubicin-loaded poly(lactic-co-glycolic acid) hollow microcapsules for targeted drug delivery to cancer cells. <i>New Journal of Chemistry</i> , 2014 , 38, 3917-3924	3.6	20
25	Lactobionic acid-modified dendrimer-entrapped gold nanoparticles for targeted computed tomography imaging of human hepatocellular carcinoma. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 6944-53	9.5	107
24	Selective removal of mercury ions using thymine-grafted electrospun polymer nanofibers. <i>New Journal of Chemistry</i> , 2014 , 38, 1533-1539	3.6	25

23	Synthesis and characterization of PEGylated polyethylenimine-entrapped gold nanoparticles for blood pool and tumor CT imaging. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 17190-9	9.5	94
22	Enhanced in vivo antitumor efficacy of doxorubicin encapsulated within laponite nanodisks. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 12328-34	9.5	46
21	Multifunctional PEGylated multiwalled carbon nanotubes for enhanced blood pool and tumor MR imaging. <i>Advanced Healthcare Materials</i> , 2014 , 3, 1568-77, 1525	10.1	33
20	Disease Diagnosis: Multifunctional PEGylated Multiwalled Carbon Nanotubes for Enhanced Blood Pool and Tumor MR Imaging (Adv. Healthcare Mater. 10/2014). <i>Advanced Healthcare Materials</i> , 2014 , 3, 1522-1522	10.1	
19	PLGA Hollow Microbubbles Loaded with Iron Oxide Nanoparticles and Doxorubicin for Dual-mode US/MR Imaging and Drug Delivery. <i>Current Nanoscience</i> , 2014 , 10, 543-552	1.4	9
18	Dendrimer-entrapped gold nanoparticles modified with folic acid for targeted gene delivery applications. <i>Biomaterials Science</i> , 2013 , 1, 1172-1180	7.4	50
17	Facile hydrothermal synthesis of low generation dendrimer-stabilized gold nanoparticles for in vivo computed tomography imaging applications. <i>Polymer Chemistry</i> , 2013 , 4, 1788	4.9	53
16	Facile synthesis of acetylated dendrimer-entrapped gold nanoparticles with enhanced gold loading for CT imaging applications. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 2773-2780	7.3	21
15	Dendrimer-stabilized silver nanoparticles enable efficient colorimetric sensing of mercury ions in aqueous solution. <i>Analytical Methods</i> , 2013 , 5, 5486	3.2	34
14	Multifunctional dendrimer-entrapped gold nanoparticles for dual mode CT/MR imaging applications. <i>Biomaterials</i> , 2013 , 34, 1570-80	15.6	222
13	Synthesis of polyethyleneimine-stabilized gold nanoparticles for colorimetric sensing of heparin. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013 , 419, 80-86	5.1	60
12	Targeted CT/MR dual mode imaging of tumors using multifunctional dendrimer-entrapped gold nanoparticles. <i>Biomaterials</i> , 2013 , 34, 5200-9	15.6	194
11	Facile hydrothermal synthesis and surface functionalization of polyethyleneimine-coated iron oxide nanoparticles for biomedical applications. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 1722-31	9.5	237
10	Laponite nanodisks as an efficient platform for Doxorubicin delivery to cancer cells. <i>Langmuir</i> , 2013 , 29, 5030-6	4	145
9	Targeted tumor computed tomography imaging using low-generation dendrimer-stabilized gold nanoparticles. <i>Chemistry - A European Journal</i> , 2013 , 19, 6409-16	4.8	86
8	Targeted and pH-responsive delivery of doxorubicin to cancer cells using multifunctional dendrimer-modified multi-walled carbon nanotubes. <i>Advanced Healthcare Materials</i> , 2013 , 2, 1267-76	10.1	89
7	Characterization and antibacterial activity of amoxicillin-loaded electrospun nano-hydroxyapatite/poly(lactic-co-glycolic acid) composite nanofibers. <i>Biomaterials</i> , 2013 , 34, 1402-12	15.6	207
6	Surface modification and PEGylation of branched polyethyleneimine for improved biocompatibility. <i>Journal of Applied Polymer Science</i> , 2013 , 128, 3807-3813	2.9	60

5	Multifunctional dendrimer-based nanoparticles for in vivo MR/CT dual-modal molecular imaging of breast cancer. <i>International Journal of Nanomedicine</i> , 2013 , 8, 2589-600	7·3	53
4	Facile assembly of Fe ₃ O ₄ @Au nanocomposite particles for dual mode magnetic resonance and computed tomography imaging applications. <i>Journal of Materials Chemistry</i> , 2012 , 22, 15110		120
3	Enhancing the specificity and efficiency of polymerase chain reaction using polyethyleneimine-based derivatives and hybrid nanocomposites. <i>International Journal of Nanomedicine</i> , 2012 , 7, 1069-78	7·3	34
2	Effect of surface charge of polyethyleneimine-modified multiwalled carbon nanotubes on the improvement of polymerase chain reaction. <i>Nanoscale</i> , 2011 , 3, 1741-7	7·7	45
1	Aminopropyltriethoxysilane-mediated surface functionalization of hydroxyapatite nanoparticles: synthesis, characterization, and in vitro toxicity assay. <i>International Journal of Nanomedicine</i> , 2011 , 6, 3449-59	7·3	49