

Yong Hu

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.

44 papers	1,724 citations	23 h-index	41 g-index
49 ext. papers	2,096 ext. citations	9.8 avg, IF	5.15 L-index

#	Paper	IF	Citations
44	Self-Assembly of DNA Molecules: Towards DNA Nanorobots for Biomedical Applications. <i>Cyborg and Bionic Systems</i> , 2021 , 2021, 1-3	0	6
43	Formulation of DNA Nanocomposites: Towards Functional Materials for Protein Expression. <i>Polymers</i> , 2021 , 13,	4.5	3
42	Segregation of Dispersed Silica Nanoparticles in Microfluidic Water-in-Oil Droplets: A Kinetic Study. <i>ChemPhysChem</i> , 2020 , 21, 1070-1078	3.2	2
41	Cultivation of Exoelectrogenic Bacteria in Conductive DNA Nanocomposite Hydrogels Yields a Programmable Biohybrid Materials System. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 14806-14813	9.5	13
40	Designer DNA-silica/carbon nanotube nanocomposites for traceable and targeted drug delivery. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 2250-2255	7.3	24
39	Folic acid-modified Laponite \square -stabilized Fe ₃ O ₄ nanoparticles for targeted T ₂ -weighted MR imaging of tumor. <i>Applied Clay Science</i> , 2020 , 186, 105447	5.2	9
38	Postsynthetic Functionalization of DNA-Nanocomposites with Proteins Yields Bioinstructive Matrices for Cell Culture Applications. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 19016-19020	16.4	2
37	Complex Nucleic Acid Hybridization Reactions inside Capillary-Driven Microfluidic Chips. <i>Small</i> , 2020 , 16, e2005476	11	5
36	Postsynthetic Functionalization of DNA-Nanocomposites with Proteins Yields Bioinstructive Matrices for Cell Culture Applications. <i>Angewandte Chemie</i> , 2020 , 132, 19178-19182	3.6	0
35	DNA Nanotechnology: From DNA Nanotechnology to Material Systems Engineering (Adv. Mater. 26/2019). <i>Advanced Materials</i> , 2019 , 31, 1970190	24	4
34	Light-Addressable Nanoclusters of Ultrasmall Iron Oxide Nanoparticles for Enhanced and Dynamic Magnetic Resonance Imaging of Arthritis. <i>Advanced Science</i> , 2019 , 6, 1901800	13.6	34
33	Bottom-Up Assembly of DNA-Silica Nanocomposites into Micrometer-Sized Hollow Spheres. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 17269-17272	16.4	9
32	Bottom-Up Assembly of DNA-Silica Nanocomposites into Micrometer-Sized Hollow Spheres. <i>Angewandte Chemie</i> , 2019 , 131, 17429-17432	3.6	0
31	From DNA Nanotechnology to Material Systems Engineering. <i>Advanced Materials</i> , 2019 , 31, e1806294	24	69
30	Carbon-nanotube reinforcement of DNA-silica nanocomposites yields programmable and cell-instructive biocoatings. <i>Nature Communications</i> , 2019 , 10, 5522	17.4	18
29	Construction of iron oxide nanoparticle-based hybrid platforms for tumor imaging and therapy. <i>Chemical Society Reviews</i> , 2018 , 47, 1874-1900	58.5	214
28	Radiotherapy-Sensitized Tumor Photothermal Ablation Using β -Polyglutamic Acid Nanogels Loaded with Polypyrrole. <i>Biomacromolecules</i> , 2018 , 19, 2034-2042	6.9	36

27	Top-down fabrication of shape-controlled, monodisperse nanoparticles for biomedical applications. <i>Advanced Drug Delivery Reviews</i> , 2018 , 132, 169-187	18.5	68
26	Targeted dual-mode imaging and phototherapy of tumors using ICG-loaded multifunctional MWCNTs as a versatile platform. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 6122-6132	7.3	16
25	Titelbild: Self-Assembling All-Enzyme Hydrogels for Flow Biocatalysis (Angew. Chem. 52/2018). <i>Angewandte Chemie</i> , 2018 , 130, 17153-17153	3.6	2
24	Stacking of doxorubicin on folic acid-targeted multiwalled carbon nanotubes for in vivo chemotherapy of tumors. <i>Drug Delivery</i> , 2018 , 25, 1607-1616	7	28
23	Self-Assembling All-Enzyme Hydrogels for Flow Biocatalysis. <i>Angewandte Chemie</i> , 2018 , 130, 17274-17278	3.8	13
22	Self-Assembling All-Enzyme Hydrogels for Flow Biocatalysis. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 17028-17032	16.4	47
21	Using PEGylated iron oxide nanoparticles with ultrahigh relaxivity for MR imaging of an orthotopic model of human hepatocellular carcinoma. <i>Journal of Nanoparticle Research</i> , 2017 , 19, 1	2.3	3
20	Dynamically tuning near-infrared-induced photothermal performances of TiO nanocrystals by Nb doping for imaging-guided photothermal therapy of tumors. <i>Nanoscale</i> , 2017 , 9, 9148-9159	7.7	61
19	Antifouling Manganese Oxide Nanoparticles: Synthesis, Characterization, and Applications for Enhanced MR Imaging of Tumors. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 47-53	9.5	42
18	LAPONITE-Polyethylenimine Based Theranostic Nanoplatfrom for Tumor-Targeting CT Imaging and Chemotherapy. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 431-442	5.5	32
17	An RGD-modified hollow silica@Au core/shell nanoplatfrom for tumor combination therapy. <i>Acta Biomaterialia</i> , 2017 , 62, 273-283	10.8	55
16	Polyaniline-loaded β -polyglutamic acid nanogels as a platform for photoacoustic imaging-guided tumor photothermal therapy. <i>Nanoscale</i> , 2017 , 9, 12746-12754	7.7	53
15	Facile Synthesis of Lactobionic Acid-Targeted Iron Oxide Nanoparticles with Ultrahigh Relaxivity for Targeted MR Imaging of an Orthotopic Model of Human Hepatocellular Carcinoma. <i>Particle and Particle Systems Characterization</i> , 2017 , 34, 1600113	3.1	11
14	Multifunctional Fe ₃ O ₄ @ Au core/shell nanostars: a unique platform for multimode imaging and photothermal therapy of tumors. <i>Scientific Reports</i> , 2016 , 6, 28325	4.9	89
13	Folic acid-targeted iron oxide nanoparticles as contrast agents for magnetic resonance imaging of human ovarian cancer. <i>Journal of Ovarian Research</i> , 2016 , 9, 19	5.5	43
12	Synthesis of diatrizoic acid-modified LAPONITE \square nanodisks for CT imaging applications. <i>RSC Advances</i> , 2016 , 6, 57490-57496	3.7	7
11	Facile Synthesis of Folic Acid-Modified Iron Oxide Nanoparticles for Targeted MR Imaging in Pulmonary Tumor Xenografts. <i>Molecular Imaging and Biology</i> , 2016 , 18, 569-78	3.8	20
10	LAPONITE \square -stabilized iron oxide nanoparticles for in vivo MR imaging of tumors. <i>Biomaterials Science</i> , 2016 , 4, 474-82	7.4	33

9	Dendrimer-Stabilized Gold Nanostars as a Multifunctional Theranostic Nanoplatfom for CT Imaging, Photothermal Therapy, and Gene Silencing of Tumors. <i>Advanced Healthcare Materials</i> , 2016 , 5, 3203-3213	10.1	68
8	Facile preparation of hyaluronic acid-modified Fe ₃ O ₄ @Mn ₃ O ₄ nanocomposites for targeted T1/T2 dual-mode MR imaging of cancer cells. <i>RSC Advances</i> , 2016 , 6, 35295-35304	3.7	17
7	Facile synthesis of RGD peptide-modified iron oxide nanoparticles with ultrahigh relaxivity for targeted MR imaging of tumors. <i>Biomaterials Science</i> , 2015 , 3, 721-32	7.4	55
6	Facile synthesis of hyaluronic acid-modified FeO/Au composite nanoparticles for targeted dual mode MR/CT imaging of tumors. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 9098-9108	7.3	41
5	Hyaluronic acid-modified Fe ₃ O ₄ @Au core/shell nanostars for multimodal imaging and photothermal therapy of tumors. <i>Biomaterials</i> , 2015 , 38, 10-21	15.6	314
4	Facile synthesis of folic acid-functionalized iron oxide nanoparticles with ultrahigh relaxivity for targeted tumor MR imaging. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 5720-5730	7.3	36
3	Synthesis and application of strawberry-like Fe ₃ O ₄ -Au nanoparticles as CT-MR dual-modality contrast agents in accurate detection of the progressive liver disease. <i>Biomaterials</i> , 2015 , 51, 194-207	15.6	80
2	Formation of multifunctional Fe ₃ O ₄ /Au composite nanoparticles for dual-mode MR/CT imaging applications. <i>Chinese Physics B</i> , 2014 , 23, 078704	1.2	16
1	Hyaluronic acid-modified magnetic iron oxide nanoparticles for MR imaging of surgically induced endometriosis model in rats. <i>PLoS ONE</i> , 2014 , 9, e94718	3.7	26