Gang Huang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/793899/publications.pdf

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23 papers	3,317 citations	361413 20 h-index	552781 26 g-index
26 all docs	26 docs citations	26 times ranked	5593 citing authors

#	Article	IF	Citations
1	A nanoparticle-based strategy for the imaging of a broad range of tumours by nonlinear amplification of microenvironment signals. Nature Materials, 2014, 13, 204-212.	27.5	695
2	A STING-activating nanovaccine for cancer immunotherapy. Nature Nanotechnology, 2017, 12, 648-654.	31.5	649
3	Superparamagnetic Iron Oxide Nanoparticles: Amplifying ROS Stress to Improve Anticancer Drug Efficacy. Theranostics, 2013, 3, 116-126.	10.0	277
4	Ultra-pH-Sensitive Nanoprobe Library with Broad pH Tunability and Fluorescence Emissions. Journal of the American Chemical Society, 2014, 136, 11085-11092.	13.7	241
5	Optical molecular imaging for tumor detection and image-guided surgery. Biomaterials, 2018, 157, 62-75.	11.4	178
6	A transistor-like pH nanoprobe for tumour detection and image-guided surgery. Nature Biomedical Engineering, 2017, 1, .	22.5	163
7	Investigation of endosome and lysosome biology by ultra pH-sensitive nanoprobes. Advanced Drug Delivery Reviews, 2017, 113, 87-96.	13.7	135
8	Cooperativity Principles in Self-Assembled Nanomedicine. Chemical Reviews, 2018, 118, 5359-5391.	47.7	129
9	Small-molecule TFEB pathway agonists that ameliorate metabolic syndrome in mice and extend C. elegans lifespan. Nature Communications, 2017, 8, 2270.	12.8	121
10	Molecular basis of cooperativity in pH-triggered supramolecular self-assembly. Nature Communications, 2016, 7, 13214.	12.8	98
11	A novel strategy for surface modification of superparamagnetic iron oxide nanoparticles for lung cancer imaging. Journal of Materials Chemistry, 2009, 19, 6367.	6.7	89
12	Esterase-activatable Î²-lapachone prodrug micelles for NQO1-targeted lung cancer therapy. Journal of Controlled Release, 2015, 200, 201-211.	9.9	88
13	A nanobuffer reporter library for fine-scale imaging and perturbation of endocytic organelles. Nature Communications, 2015, 6, 8524.	12.8	71
14	Digitization of Endocytic pH by Hybrid Ultraâ€pHâ€Sensitive Nanoprobes at Singleâ€Organelle Resolution. Advanced Materials, 2017, 29, 1603794.	21.0	69
15	Non-covalent interactions in controlling pH-responsive behaviors of self-assembled nanosystems. Polymer Chemistry, 2016, 7, 5949-5956.	3.9	55
16	Polycarbonate-based ultra-pH sensitive nanoparticles improve therapeutic window. Nature Communications, 2020, 11, 5828.	12.8	49
17	PET imaging of occult tumours by temporal integration of tumour-acidosis signals from pH-sensitive 64Cu-labelled polymers. Nature Biomedical Engineering, 2020, 4, 314-324.	22.5	48
18	Tumorâ€Targeted Inhibition of Monocarboxylate Transporter 1 Improves Tâ€Cell Immunotherapy of Solid Tumors. Advanced Healthcare Materials, 2021, 10, e2000549.	7.6	47

#	Article	IF	Citations
19	A Redoxâ€Activatable Fluorescent Sensor for the Highâ€Throughput Quantification of Cytosolic Delivery of Macromolecules. Angewandte Chemie - International Edition, 2017, 56, 1319-1323.	13.8	30
20	Nanotechnology-enabled delivery of NQO1 bioactivatable drugs. Journal of Drug Targeting, 2015, 23, 672-680.	4.4	26
21	Detection of Lymph Node Metastases by Ultra-pH-Sensitive Polymeric Nanoparticles. Theranostics, 2020, 10, 3340-3350.	10.0	19
22	Lysosome-oriented, dual-stage pH-responsive polymeric micelles for Î²-lapachone delivery. Journal of Materials Chemistry B, 2016, 4, 7429-7440.	5.8	10
23	A Redoxâ€Activatable Fluorescent Sensor for the Highâ€Throughput Quantification of Cytosolic Delivery of Macromolecules. Angewandte Chemie, 2017, 129, 1339-1343.	2.0	6