

# Chunhui Wu

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

1,784  
citations

279798

23  
h-index

289244

40  
g-index

54  
all docs

54  
docs citations

54  
times ranked

2732  
citing authors

#	ARTICLE	IF	CITATIONS
1	Notch signaling pathway networks in cancer metastasis: a new target for cancer therapy. <i>Medical Oncology</i> , 2017, 34, 180.	2.5	156
2	Folate-Functionalized Magnetic-Mesoporous Silica Nanoparticles for Drug/Gene Codelivery To Potentiate the Antitumor Efficacy. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 13748-13758.	8.0	96
3	ROCK isoforms differentially modulate cancer cell motility by mechanosensing the substrate stiffness. <i>Acta Biomaterialia</i> , 2019, 88, 86-101.	8.3	86
4	Highly efficient cascading synergy of cancer photo-immunotherapy enabled by engineered graphene quantum dots/photosensitizer/CpG oligonucleotides hybrid nanotheranostics. <i>Biomaterials</i> , 2019, 205, 106-119.	11.4	84
5	MCP-1-induced ERK/GSK-3 $\beta$ /Snail signaling facilitates the epithelial $\rightarrow$ mesenchymal transition and promotes the migration of MCF-7 human breast carcinoma cells. <i>Cellular and Molecular Immunology</i> , 2017, 14, 621-630.	10.5	77
6	Notch-1 Signaling Promotes the Malignant Features of Human Breast Cancer through NF- $\kappa$ B Activation. <i>PLoS ONE</i> , 2014, 9, e95912.	2.5	76
7	Multifunctional Core/Shell Nanoparticles Cross-linked Polyetherimide-folic Acid as Efficient Notch-1 siRNA Carrier for Targeted Killing of Breast Cancer. <i>Scientific Reports</i> , 2014, 4, 7072.	3.3	74
8	Roles for GP IIb/IIIa and $\alpha$ $\beta$ 3 integrins in MDA-MB-231 cell invasion and shear flow-induced cancer cell mechanotransduction. <i>Cancer Letters</i> , 2014, 344, 62-73.	7.2	69
9	Synergistic Anticancer Activity of Photo- and Chemoresponsive Nanoformulation Based on Polylysine-Functionalized Graphene. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 21615-21623.	8.0	67
10	Copper depletion inhibits CoCl <sub>2</sub> -induced aggressive phenotype of MCF-7 cells via downregulation of HIF-1 and inhibition of Snail/Twist-mediated epithelial-mesenchymal transition. <i>Scientific Reports</i> , 2015, 5, 12410.	3.3	64
11	Single wavelength light-mediated, synergistic bimodal cancer photoablation and amplified photothermal performance by graphene/gold nanostar/photosensitizer theranostics. <i>Acta Biomaterialia</i> , 2017, 53, 631-642.	8.3	58
12	Matrix stiffness modulates ILK-mediated YAP activation to control the drug resistance of breast cancer cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165625.	3.8	54
13	Shear stress promotes anoikis resistance of cancer cells via caveolin-1 $\rightarrow$ dependent extrinsic and intrinsic apoptotic pathways. <i>Journal of Cellular Physiology</i> , 2019, 234, 3730-3743.	4.1	50
14	Involvement of caveolin-1 in low shear stress-induced breast cancer cell motility and adhesion: Roles of FAK/Src and ROCK/p-MLC pathways. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 12-22.	4.1	45
15	“Triple-Punch” Anticancer Strategy Mediated by Near-Infrared Photosensitizer/CpG Oligonucleotides Dual-Dressed and Mitochondria-Targeted Nanographene. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 6942-6955.	8.0	45
16	Polyetherimide-grafted Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> nanoparticles as theranostic agents for simultaneous VEGF siRNA delivery and magnetic resonance cell imaging. <i>International Journal of Nanomedicine</i> , 2015, 10, 4279.	6.7	44
17	Notch-1 signaling activates NF- $\kappa$ B in human breast carcinoma MDA-MB-231 cells via PP2A-dependent AKT pathway. <i>Medical Oncology</i> , 2016, 33, 33.	2.5	41
18	Aptamer-Dendrimer Functionalized Magnetic Nano-Octahedrons: Theranostic Drug/Gene Delivery Platform for Near-Infrared/Magnetic Resonance Imaging-Guided Magnetochemotherapy. <i>ACS Nano</i> , 2021, 15, 16683-16696.	14.6	35

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19	Multistage-responsive nanovehicle to improve tumor penetration for dual-modality imaging-guided photodynamic-immunotherapy. <i>Biomaterials</i> , 2021, 275, 120990.	11.4	33
20	Photosensitizer-assembled PEGylated graphene-copper sulfide nanohybrids as a synergistic near-infrared phototherapeutic agent. <i>Expert Opinion on Drug Delivery</i> , 2016, 13, 155-165.	5.0	32
21	Polymeric Hybrid Nanomicelles for Cancer Theranostics: An Efficient and Precise Anticancer Strategy for the Codelivery of Doxorubicin/miR-34a and Magnetic Resonance Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 43865-43878.	8.0	31
22	Acidic pHe regulates cytoskeletal dynamics through conformational integrin $\beta 1$ activation and promotes membrane protrusion. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 2395-2408.	3.8	30
23	Surface chemistry induces mitochondria-mediated apoptosis of breast cancer cells via PTEN/PI3K/AKT signaling pathway. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018, 1865, 172-185.	4.1	28
24	Remodeling tumor immunosuppressive microenvironment via a novel bioactive nanovaccines potentiates the efficacy of cancer immunotherapy. <i>Bioactive Materials</i> , 2022, 16, 107-119.	15.6	24
25	Soft Substrate Promotes Osteosarcoma Cell Self-Renewal, Differentiation, and Drug Resistance Through miR-29b and Its Target Protein Spin 1. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 5588-5598.	5.2	23
26	Cell Membrane Coated-Biomimetic Nanoplatfoms Toward Cancer Theranostics. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 371.	4.1	23
27	Simultaneous 2D and 3D cell culture array for multicellular geometry, drug discovery and tumor microenvironment reconstruction. <i>Biofabrication</i> , 2021, 13, 045013.	7.1	23
28	Acid-Triggered Charge-Convertible Graphene-Based All-in-One Nanocomplex for Enhanced Genetic Phototherapy of Triple-Negative Breast Cancer. <i>Advanced Healthcare Materials</i> , 2020, 9, e1901187.	7.6	21
29	Functions and clinical significance of mechanical tumor microenvironment: cancer cell sensing, mechanobiology and metastasis. <i>Cancer Communications</i> , 2022, 42, 374-400.	9.2	21
30	Cycloamine-Loaded Core-Cross-Linked Polymeric Micelles Enhance Radiation Response in Pancreatic Cancer and Pancreatic Stellate Cells. <i>Molecular Pharmaceutics</i> , 2015, 12, 2093-2100.	4.6	20
31	Essential oils from <i>Inula japonica</i> and <i>Angelicae dahuricae</i> enhance sensitivity of MCF-7/ADR breast cancer cells to doxorubicin via multiple mechanisms. <i>Journal of Ethnopharmacology</i> , 2016, 180, 18-27.	4.1	20
32	A versatile nanoplatfom for synergistic chemo-photothermal therapy and multimodal imaging against breast cancer. <i>Expert Opinion on Drug Delivery</i> , 2020, 17, 725-733.	5.0	20
33	Chitosan hybrid nanoparticles as a theranostic platfom for targeted doxorubicin/VEGF shRNA co-delivery and dual-modality fluorescence imaging. <i>RSC Advances</i> , 2016, 6, 29685-29696.	3.6	19
34	$Ca^{2+}$ Induced Crosslinking of AIE-Active Polyarylene Ether Nitrile into Fluorescent Polymeric Nanoparticles for Cellular Bioimaging. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700360.	3.9	19
35	Light-responsive hyaluronic acid nanomicelles co-loaded with an IDO inhibitor focus targeted photoimmunotherapy against immune cold-cancer. <i>Biomaterials Science</i> , 2021, 9, 8019-8031.	5.4	18
36	Morphology and photophysical properties of dual-emissive hyperbranched zinc phthalocyanines and their self-assembling superstructures. <i>Journal of Materials Science</i> , 2016, 51, 3191-3199.	3.7	16

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37	Shear stress stimulates integrin $\beta$ 1 trafficking and increases directional migration of cancer cells via promoting deacetylation of microtubules. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020, 1867, 118676.	4.1	16
38	Non-muscle myosin II isoforms orchestrate substrate stiffness sensing to promote cancer cell contractility and migration. <i>Cancer Letters</i> , 2022, 524, 245-258.	7.2	16
39	Dendrimer-Functionalized Superparamagnetic Nanobeacons for Real-Time Detection and Depletion of HSP90 $\alpha$ mRNA and MR Imaging. <i>Theranostics</i> , 2019, 9, 5784-5796.	10.0	14
40	Protective autophagy attenuates soft substrate-induced apoptosis through ROS/JNK signaling pathway in breast cancer cells. <i>Free Radical Biology and Medicine</i> , 2021, 172, 590-603.	2.9	14
41	Recent Advancements in Nanosystem-Based Molecular Beacons for RNA Detection and Imaging. <i>ACS Applied Nano Materials</i> , 2022, 5, 3065-3086.	5.0	14
42	Plasmon enhanced fluorescence of a bisphthalonitrile-based dye via a dopamine mediated interfacial crosslinking reaction on silver nanoparticles. <i>RSC Advances</i> , 2015, 5, 71652-71657.	3.6	12
43	Tirapazamine encapsulated hyaluronic acid nanomicelles realized targeted and efficient photo-bioreductive cascading cancer therapy. <i>Chinese Chemical Letters</i> , 2021, 32, 2400-2404.	9.0	12
44	Engineered Mesenchymal Stem Cells as a Biotherapy Platform for Targeted Photodynamic Immunotherapy of Breast Cancer. <i>Advanced Healthcare Materials</i> , 2022, 11, e2101375.	7.6	10
45	Irinotecan/IR-820 co-loaded nanocomposite as a cooperative nanoplatform for combinational therapy of tumor. <i>Nanomedicine</i> , 2018, 13, 595-603.	3.3	8
46	The tumor biochemical and biophysical microenvironments synergistically contribute to cancer cell malignancy. <i>Cellular and Molecular Immunology</i> , 2020, 17, 1186-1187.	10.5	8
47	Shear stress triggered circular dorsal ruffles formation to facilitate cancer cell migration. <i>Archives of Biochemistry and Biophysics</i> , 2021, 709, 108967.	3.0	7
48	Notch $\beta$ signaling promotes reattachment of suspended cancer cells by cdc42 $\alpha$ -dependent microtentacles formation. <i>Cancer Science</i> , 2021, 112, 4894-4908.	3.9	5
49	Co-delivery of doxorubicin and P-gp siRNA into human breast cancer cells by functionalized PLGA nanobubbles and ultrasound imaging in vitro. <i>Journal of Controlled Release</i> , 2015, 213, e138.	9.9	3
50	Phototherapy: Acid-Triggered Charge-Convertible Graphene-Based All-in-One Nanocomplex for Enhanced Genetic Phototherapy of Triple-Negative Breast Cancer ( <i>Adv. Healthcare Mater.</i> 1/2020). <i>Advanced Healthcare Materials</i> , 2020, 9, 2070003.	7.6	0
51	Cooperative Treatment of Breast Cancer Using an Irinotecan/IR-820 Co-loaded Hollow Mesoporous Silica Nanoparticles Nanoplatform. <i>FASEB Journal</i> , 2018, 32, 801.2.	0.5	0
52	The hybrid PLGA-based nanoparticles as a smart nanoplatform for imaging-guided and near-infrared light-triggered combination cancer therapy. <i>FASEB Journal</i> , 2018, 32, 801.1.	0.5	0