

Publications 2023 - 2024

Neutrophil Targeting Platform Reduces Neutrophil Extracellular Traps for Improved Traumatic Brain Injury and Stroke Theranostics.

Adv Sci (Weinh). 2024 Mar 23:e2308719. doi: 10.1002/advs.202308719

Mu Q, Yao K, Syeda MZ, Wan J, Cheng Q, You Z, Sun R, Zhang Y, Zhang H, Lu Y, Luo Z, Li Y, Liu F, Liu H, Zou X, Zhu Y, Peng K, Huang C, Chen X, Tang L.

<https://pubmed.ncbi.nlm.nih.gov/38520727/>

Neutrophil Membrane-Camouflaged Polyprodrug Nanomedicine for Inflammation Suppression in Ischemic Stroke Therapy

Adv Mater. 2024 Mar 22:e2311803. doi: 10.1002/adma.202311803

Zhao Y, Li Q, Niu J, Guo E, Zhao C, Zhang J, Liu X, Wang L, Rao L, Chen X, Yang K.

<https://onlinelibrary.wiley.com/doi/10.1002/adma.202311803>

Targeting Strategies for Site-Specific mRNA Delivery

Bioconjug Chem. 2024 Mar 16. doi: 10.1021/acs.bioconjchem.4c00038

Di J, Huang P, Chen X

<https://pubs.acs.org/doi/10.1021/acs.bioconjchem.4c00038>

Coassembly Nanomedicine Mediated by Intermolecular Interactions Between Methotrexate and Baricitinib for Improved Rheumatoid Arthritis Treatment.

ACS Nano. 2024 Mar 4. doi: 10.1021/acsnano.3c12692

Xiong H, Zhang H, Qin Y, Ye J, Zeng F, Xie P, Shi C, Luo C, Xu W, Yu C, Zhou Z, Chen X

<https://pubs.acs.org/doi/10.1021/acsnano.3c12692>

Nanomedicines for an Enhanced Immunogenic Cell Death-Based In Situ Cancer Vaccination Response

Acc Chem Res. 2024 Feb 28. doi: 10.1021/acs.accounts.3c00771

Zhao C, Wang C, Shan W, Wang Z, Chen X, Deng H.

<https://pubs.acs.org/doi/10.1021/acs.accounts.3c00771>

Self-Adjuvanting Polyguanidine Nanovaccines for Cancer Immunotherapy

ACS Nano. 2024 Feb 26. doi: 10.1021/acsnano.3c11637

Zhang X, Wang K, Zhao Z, Shan X, Wang Y, Feng Z, Li B, Luo C, Chen X, Sun J
<https://pubmed.ncbi.nlm.nih.gov/38407021/>

Advancing nanotechnology for neoantigen-based cancer theranostics

Chem Soc Rev. 2024 Feb 21. doi: 10.1039/d3cs00162h.

Zou J, Zhang Y, Pan Y, Mao Z, Chen X

<https://pubmed.ncbi.nlm.nih.gov/38379286/>

Synthesis, preclinical, and initial clinical evaluation of integrin $\alpha V\beta 3$ and gastrin-releasing peptide receptor (GRPR) dual-targeting radiotracer [68Ga]Ga-RGD-RM26-03.

Eur J Nucl Med Mol Imaging. 2024 Feb 20. doi: 10.1007/s00259-024-06634-9.

Wen X, Wang R, Xu P, Shi M, Shang Q, Zeng X, Zeng X, Liu J, Wang X, Zhu Z, Guo Z, Chen X, Zhang J.

<https://pubmed.ncbi.nlm.nih.gov/38376806/>

A non-metal single atom nanozyme for cutting off the energy and reducing the power of tumors

Angew Chem Int Ed Engl. 2024 Feb 15:e202319982.

Cheng J, Li L, Jin D, Zhang Y, Yu W, Yu J, Zou J, Dai Y, Zhu Y, Liu M, Zhang M, Sun Y, Liu Y, Chen X

<https://pubmed.ncbi.nlm.nih.gov/38361437/>

Apoptotic Vesicular Metabolism Contributes to Organelle Assembly and Safeguards Liver Homeostasis and Regeneration

Gastroenterology. 2024 Feb 9:S0016-5085(24)00136-7.

Sui B, Wang R, Chen C, Kou X, Wu D, Fu Y, Lei F, Wang Y, Liu Y, Chen X, Xu H, Liu Y, Kang J, Liu H, Kin Kwok RT, Tang BZ, Yan H, Wang M, Xiang L, Yan X, Zhang X, Ma L, Shi S, Jin Y.

<https://pubmed.ncbi.nlm.nih.gov/38342194/>

AcousticRobots: Smart acoustically powered micro-/nanoswimmers for precise biomedical applications

Adv Drug Deliv Rev. 2024 Feb 6;207:115201

Wu G, Xian W, You Q, Zhang J, Chen X

<https://pubmed.ncbi.nlm.nih.gov/38331256/>

Redox-responsive polymer micelles co-encapsulating immune checkpoint inhibitors and chemotherapeutic agents for glioblastoma therapy

Nat Commun. 2024 Feb 6;15(1):1118

Zhang Z, Xu X, Du J, Chen X, Xue Y, Zhang J, Yang X, Chen X, Xie J, Ju S.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC10847518/>

Redox-Active Ferrocene Quencher-Based Supramolecular Nanomedicine for NIR-II Fluorescence-Monitored Chemodynamic Therapy

Angewandte Chemie (International ed. in English), 2023, e202318155

Yu, M., Ye, Z., Liu, S., Zhu, Y., Niu, X., Wang, J., Ao, R., Huang, H., Cai, H., Liu, Y., Chen, X., & Lin, L.

<https://doi.org/10.1002/anie.202318155>

A Side-Effect-Free Interventional Therapy for Precisely Eliminating Unresectable Cancer Pain.

ACS nano, 2023, 17(23), 23535–23544.

Zhang, P., Yao, S., Tang, Y., Wan, S., Chen, X., & Ma, L.

<https://doi.org/10.1021/acsnano.3c06511>

Rapid visualization of PD-L1 expression level in glioblastoma immune microenvironment via machine learning cascade-based Raman histopathology.

Journal of advanced research, 2023, S2090-1232(23)00377-6.

Zhou, Q. Q., Guo, J., Wang, Z., Li, J., Chen, M., Xu, Q., Zhu, L., Xu, Q., Wang, Q., Pan, H., Pan, J., Zhu, Y., Song, M., Liu, X., Wang, J., Zhang, Z., Zhang, L., Wang, Y., Cai, H., Chen, X., Lu, G.

<https://doi.org/10.1016/j.jare.2023.12.002>

Single-arm trials for domestic oncology drug approvals in China

Cancer biology & medicine, 2023, 20(11), 799–805.

Zhang, H., Liu, S., Ge, C., Liu, X., Liu, Y., Yin, C., Li, Y., An, J., Yan, Z., & Chen, X.

<https://doi.org/10.20892/j.issn.2095-3941.2023.0360>

Fabrication of An Immunostimulatory Supramolecular Nanomedicine for Potent Cancer Chemoimmunotherapy

JACS Au, 2023, 3(11), 3181–3193.

Yu, X., Qi, S., Cao, F., Yang, K., Li, H., Peng, K., Liu, Z., Bai, B., Buljan, M., Chen, X., & Yu, G.

<https://doi.org/10.1021/jacsau.3c00515>

Extended peptide receptor radionuclide therapy: evaluating nephrotoxicity and therapeutic effectiveness in neuroendocrine tumor patients receiving more than four treatment cycles

European journal of nuclear medicine and molecular imaging, 2023, 10.1007/s00259-023-06544-2.

Baum, R. P., Fan, X., Jakobsson, V., Schuchardt, C., Chen, X., Yu, F., & Zhang, J.

<https://doi.org/10.1007/s00259-023-06544-2>

Cell Death Pathway Regulation by Functional Nanomedicines for Robust Antitumor Immunity

Advanced science (Weinheim, Baden-Wurttemberg, Germany), 2023, e2306580.

Li, Y., Guo, Y., Zhang, K., Zhu, R., Chen, X., Zhang, Z., & Yang, W.

<https://doi.org/10.1002/advs.202306580>

Ultrathin Clay Nanoparticles-Mediated Mutual Reinforcement of Ferroptosis and Cancer Immunotherapy.

Advanced materials (Deerfield Beach, Fla.), 2023, e2309562.

Liu, J., Zhan, J., Zhang, Y., Huang, L., Yang, J., Feng, J., Ding, L., Shen, Z., & Chen, X.

<https://doi.org/10.1002/adma.202309562>

Peroxynitrite-Scavenging Organosilica Nanomedicines for Light-Controllable NO Release and Precision On-Demand Glaucoma Therapy.

ACS nano, 2023, 10.1021/acsnano.3c02685.

Song, M., Li, L., Liu, J., Gao, Y., Li, M., Zhou, L., Qin, B., Xiang, A., Sun, X., Fan, W., Lei, Y., & Chen, X.

<https://doi.org/10.1021/acsnano.3c02685>

Cellular Trafficking of Nanotechnology-Mediated mRNA Delivery

Advanced materials (Deerfield Beach, Fla.), 2023, e2307822.

Huang, P., Deng, H., Wang, C., Zhou, Y., & Chen, X.

<https://doi.org/10.1002/adma.202307822>

Stimuli-Responsive Nanoadjuvant Rejuvenates Robust Immune Responses to Sensitize Cancer Immunotherapy.

ACS nano, 2023, 10.1021/acsnano.3c06233.

Huang, R., Zhou, P., Chen, B., Zhu, Y., Chen, X., & Min, Y.

<https://doi.org/10.1021/acsnano.3c06233>

Fibroblast Activation Protein-Targeted Radioligand Therapy with ¹⁷⁷Lu-EB-FAPI for Metastatic Radioiodine Refractory Thyroid Cancer: First-in-Human, Dose-Escalation Study.

Clinical cancer research : an official journal of the American Association for Cancer Research, 2023, 10.1158/1078-0432.CCR-23-1983.

Fu, H., Huang, J., Zhao, T., Wang, H., Chen, Y., Xu, W., Pang, Y., Guo, W., Sun, L., Wu, H., Xu, P., Su, B., Zhang, J., Chen, X., & Chen, H.

<https://doi.org/10.1158/1078-0432.CCR-23-1983>

Engineering Clinically Relevant Probiotics with Switchable "nano-promoter" and "nano-effector" for Precision Tumor Therapy.

Advanced materials (Deerfield Beach, Fla.), 2023, e2304257

Cao, F., Jin, L., Zhang, C., Gao, Y., Qian, Z., Wen, H., Yang, S., Ye, Z., Hong, L., Yang, H., Tong, Z., Cheng, L., Ding, Y., Wang, W., Yu, G., Mao, Z., & Chen, X.

<https://doi.org/10.1002/adma.202304257>

Near-infrared photodynamic and photothermal co-therapy based on organic small molecular dyes.

Journal of nanobiotechnology, 2023, 21(1), 348.

Guo, S., Gu, D., Yang, Y., Tian, J., & Chen, X.

<https://doi.org/10.1186/s12951-023-02111-x>

[⁶⁸Ga]Ga-LNC1007 PET/CT in the evaluation of renal cell carcinoma: comparison with 2-[¹⁸F]FDG/[⁶⁸Ga]Ga-PSMA PET/CT.

European journal of nuclear medicine and molecular imaging, 2023, 10.1007/s00259-023-06436-5. Advance online publication.

Lin, R., Wang, C., Chen, S., Lin, T., Cai, H., Chen, S., Yang, Y., Zhang, J., Xu, F., Zhang, J., Chen, X., Zang, J., & Miao, W.

<https://doi.org/10.1007/s00259-023-06436-5>

Tumor Microenvironment-Responsive Nanoparticles Amplifying STING Signaling Pathway for Cancer Immunotherapy.

Advanced materials (Deerfield Beach, Fla.), 2023, e2304845. Advance online publication.

Liu, D., Liang, S., Ma, K., Meng, Q. F., Li, X., Wei, J., Zhou, M., Yun, K., Pan, Y., Rao, L., Chen, X., & Wang, Z.

<https://doi.org/10.1002/adma.202304845>

An and Logic Gate for Magnetic Resonance Imaging-Guided Ferroptosis Therapy of Tumors.

Advanced materials (Deerfield Beach, Fla.), 2023, e2305932. Advance online publication.

Fan, Q., Xiong, W., Zhou, H., Yang, J., Feng, J., Li, Z., Wu, L., Hu, F., Duan, X., Li, B., Fan, J., Xu, Y., Chen, X., & Shen, Z.

<https://doi.org/10.1002/adma.202305932>

The Landscape of Biomimetic Nanovesicles in Brain Diseases.

Advanced materials (Deerfield Beach, Fla.), 2023, e2306583. Advance online publication.

You, Q., Liang, F., Wu, G., Cao, F., Liu, J., He, Z., Wang, C., Zhu, L., Chen, X., & Yang, Y.

<https://doi.org/10.1002/adma.202306583>

Theranostics on the immunoactivity of T cells.

Clinical and translational medicine, 2023, 13(9), e1421.

Shi, C., Zhang, X., Liu, X., Chen, X., & Zhou, Z.

<https://doi.org/10.1002/ctm2.1421>

A Head-to-Head Comparison of 68Ga-LNC1007 and 2-18F-FDG/68Ga-FAPI-02 PET/CT in Patients With Various Cancers

Clinical nuclear medicine, 48(10), 861–868.

Zang, J., Lin, R., Wen, X., Wang, C., Zhao, T., Jakobsson, V., Yang, Y., Wu, X., Guo, Z., Chen, X., Zhang, J., & Miao, W.

<https://doi.org/10.1097/RLU.0000000000004820>

Evaluation of FAPI PET imaging in gastric cancer: a systematic review and meta-analysis

Theranostics, 13(13), 4694–4710

Ruan, D., Zhao, L., Cai, J., Xu, W., Sun, L., Li, J., Zhang, J., Chen, X., & Chen, H.

<https://doi.org/10.7150/thno.88335>

Exploiting Albumin as a Versatile Carrier for Cancer Theranostics

Accounts of chemical research, 2023, 10.1021/acs.accounts.3c00309.

Tao, Y., Jakobsson, V., Chen, X., & Zhang, J.

<https://doi.org/10.1021/acs.accounts.3c00309>

Inhaled drug delivery: Past, present, and future

Nano Today 52 (2023) 101942

Ludan Yue, Xueyang Zhang, Chenchen Zhao, Rongchang Chen, Xiaoyuan Chen, Lang Rao

<https://doi.org/10.1016/j.nantod.2023.101942>

Anti-phagocytosis-blocking repolarization-resistant membrane-fusogenic liposome (ARMFUL) for adoptive cell immunotherapy.

Science advances, 2023, 9(32), eadh2413

Zheng, C., Zhong, Q., Yi, K., Kong, H., Cao, F., Zhuo, C., Xu, Y., Shi, R., Ju, E., Song, W., Tao, Y., Chen, X., & Li, M.

<https://doi.org/10.1126/sciadv.adh2413>

Intestinal Villi-Inspired Mathematically Base-Layer Engineered Microneedles (IMBEMs) for Effective Molecular Exchange during Biomarker Enrichment and Drug Deposition in Diversified Mucosa

ACS nano, 2023, 17(16), 15696–15712

Gong, Y., Tong, S., Li, X., Chen, X., Liu, Y., Li, N., Xu, J., Xu, R., Guo, Y., Xiao, F., Chen, X., & Chen, W.

<https://doi.org/10.1021/acsnano.3c02944>

J-Aggregation Strategy Toward Potentiated NIR-II Fluorescence Bioimaging of Molecular Fluorophores.

Advanced materials (Deerfield Beach, Fla.), 2023, e2304848.

Hu, X., Zhu, C., Sun, F., Chen, Z., Zou, J., Chen, X., & Yang, Z.

<https://doi.org/10.1002/adma.202304848>

Preclinical assessment of IRDye800CW-labeled gastrin-releasing peptide receptor-targeting peptide for near infrared-II imaging of brain malignancies

Bioengineering & translational medicine, 2023, 8(4), e10532.

Zhang, Y., Wang, L., Zhang, C., Zhang, J., Yuan, L., Jin, S., Zhou, W., Guan, X., Kang, P., Zhang, C., Tian, J., Chen, X., Li, D., & Jia, W.

<https://doi.org/10.1002/btm2.10532>

Preface in special theme: Functional inorganic nanomaterials for cutting-edge theranostic applications

Advanced drug delivery reviews, 2023, 199, 114991.

Xing, B., Chen, X. S.

<https://doi.org/10.1016/j.addr.2023.114991>

Inhalation delivery of dexamethasone with iSEND nanoparticles attenuates the COVID-19 cytokine storm in mice and nonhuman primates.

Sci Adv. 2023 Jun 16;9(24):eadg3277.

Meng QF, Tai W, Tian M, Zhuang X, Pan Y, Lai J, Xu Y, Xu Z, Li M, Zhao G, Yu GT, Yu G, Chen R, Jin N, Li X, Cheng G, Chen X, Rao L.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC10266725/>

Progress on Physical Field-Regulated Micro/Nanomotors for Cardiovascular and Cerebrovascular Disease Treatment

Small Methods. 2023 Jun 30:e2300426.

You Q, Shao X, Wang J, Chen X. Progress on Physical Field-Regulated Micro/Nanomotors for Cardiovascular and Cerebrovascular Disease Treatment

<https://onlinelibrary.wiley.com/doi/10.1002/smt.202300426>

Injectable liposomal docosahexaenoic acid alleviates atherosclerosis progression and enhances plaque stability

J Control Release. 2023 Jul 7;360:344-364.

Chong SY, Wang X, van Bloois L, Huang C, Syeda NS, Zhang S, Ting HJ, Nair V, Lin Y, Lou CKL, Benetti AA, Yu X, Lim NJY, Tan MS, Lim HY, Lim SY, Thiam CH, Looi WD, Zharkova O, Chew NWS, Ng CH, Bonney GK, Muthiah M, Chen X, Pastorin G, Richards AM, Angeli V, Storm G, Wang JW.

<https://www.sciencedirect.com/science/article/abs/pii/S0168365923004182?via%3Dihub>

Surface Engineering of Nanoparticles toward Cancer Theranostics.

Accounts of chemical research, 2023, 10.1021/acs.accounts.3c00122. Advance online publication.

Huang, P., Wang, C., Deng, H., Zhou, Y., & Chen, X.

<https://doi.org/10.1021/acs.accounts.3c00122>

Hybrid Biomimetic Membrane Coated Particles-Mediated Bacterial Ferroptosis for Acute MRSA Pneumonia.

ACS nano, 10.1021/acsnano.3c02365. Advance online publication.

Hu, H., Hua, S. Y., Lin, X., Lu, F., Zhang, W., Zhou, L., Cui, J., Wang, R., Xia, J., Xu, F., Chen, X., & Zhou, M. (2023).

<https://doi.org/10.1021/acsnano.3c02365>

Dual targeting PET tracer [68Ga]Ga-FAPI-RGD in patients with lung neoplasms: a pilot exploratory study.

Theranostics, 2023, 13(9), 2979–2992.

Wang, R., Jakobsson, V., Wang, J., Zhao, T., Peng, X., Li, B., Xue, J., Liang, N., Zhu, Z., Chen, X., & Zhang, J.

<https://doi.org/10.7150/thno.86007>

Rapid Tumor Washout of 177Lu-PSMA Radioligand in Renal Cell Carcinoma.

Clinical nuclear medicine, 2023, 10.1097/RLU.0000000000004725. Advance online publication.

Zhang, J., Schuchardt, C., Chen, X., & Baum, R. P.

<https://doi.org/10.1097/RLU.0000000000004725>

Gas therapy potentiates aggregation-induced emission luminogen-based photoimmunotherapy of poorly immunogenic tumors through cGAS-STING pathway activation

Nature communications, 2023, 14(1), 2950.

Wang, K., Li, Y., Wang, X., Zhang, Z., Cao, L., Fan, X., Wan, B., Liu, F., Zhang, X., He, Z., Zhou, Y., Wang, D., Sun, J., & Chen, X.

<https://www.nature.com/articles/s41467-023-38601-7>

Tuning the Organ Tropism of Polymersome for Spleen-Selective Nanovaccine Delivery to Boost Cancer Immunotherapy.

Advanced materials (Deerfield Beach, Fla.), e2301686.

Gu, W., An, J., Li, Y., Yang, Y., Wang, S., Shan, H., Li, S., Li, H., Liu, G., Li, K., Yin, Y., Mu, J., & Chen, X.

<https://doi.org/10.1002/adma.202301686>

Orchestrated strategies for developing fluorophores for NIR-II imaging.

Advanced healthcare materials, e2300537.

Feng, X., Wei, L., Liu, Y., Chen, X., & Tian, R.

<https://doi.org/10.1002/adhm.202300537>

Tumor-microenvironment-responsive poly-prodrug encapsulated semiconducting polymer nanosystem for phototherapy-boosted chemotherapy.

Materials horizons, 2023, 10.1039/d3mh00242j.

Zhu, J., Zhang, Y., Li, Z., Bao, X., Zhou, Y., Ma, B., Xie, Y., Yan, P., Wu, Z., Zhang, Q., Zou, J., & Chen, X.

<https://doi.org/10.1039/d3mh00242j>

Clinical Evaluation of ⁶⁸Ga-FAPI-RGD for Imaging of Fibroblast Activation Protein and Integrin $\alpha\beta 3$ in Various Cancer Types.

Journal of nuclear medicine : official publication, Society of Nuclear Medicine, 2023, jnumed.122.265383. Advance online publication.

Zhao, L., Wen, X., Xu, W., Pang, Y., Sun, L., Wu, X., Xu, P., Zhang, J., Guo, Z., Lin, Q., Chen, X., & Chen, H.

<https://doi.org/10.2967/jnumed.122.265383>

Gas-Mediated Tumor Energy Remodeling for Sensitizing Mild Photothermal Therapy.

Angewandte Chemie (International ed. in English), 2023, e202304312. Advance online publication.

Cheng, J., Zhu, Y., Dai, Y., Li, L., Zhang, M., Jin, D., Liu, M., Yu, J., Yu, W., Su, D., Zou, J., Chen, X., & Liu, Y.

<https://doi.org/10.1002/anie.202304312>

Development of [¹⁷⁷Lu]Lu-LNC1003 for radioligand therapy of prostate cancer with a moderate level of PSMA expression.

European journal of nuclear medicine and molecular imaging, 2023, 10.1007/s00259-023-06229-w. Advance online publication.

Wen, X., Xu, P., Zeng, X., Liu, J., Du, C., Zeng, X., Cheng, X., Wang, X., Liang, Y., Zhao, T., Yang, H., Li, H., Meng, L., Fang, J., Liu, H., Zhou, Z., Zhang, J., Zhang, X., Guo, Z., & Chen, X.

<https://doi.org/10.1007/s00259-023-06229-w>

Ligustrazine Nanoparticle Hitchhiking on Neutrophils for Enhanced Therapy of Cerebral Ischemia-Reperfusion Injury.

Advanced science (Weinheim, Baden-Wurttemberg, Germany), 2023, e2301348.

Mu, Q., Yao, K., Syeda, M. Z., Zhang, M., Cheng, Q., Zhang, Y., Sun, R., Lu, Y., Zhang, H., Luo, Z., Huang, H., Liu, X., Luo, C., Zhu, X., Wu, S., Cui, L., Huang, C., Chen, X., & Tang, L.

<https://doi.org/10.1002/advs.202301348>

Evaluation of Safety, Biodistribution, and Dosimetry of a Long-Acting Radiolabeled Somatostatin Analog ¹⁷⁷Lu-DOTA-EB-TATE With and Without Amino Acid Infusion

Clinical nuclear medicine, 2023, 10.1097/RLU.0000000000004642. Advance online publication.

Jiang, Y., Liu, Q., Wang, G., Zhang, J., Zhu, Z., & Chen, X.

<https://doi.org/10.1097/RLU.0000000000004642>

Activatable NIR-II Photothermal Lipid Nanoparticles for Improved Messenger RNA Delivery

Angewandte Chemie (International ed. in English), 2023, e202302676. Advance online publication.

Li, B., Zhao, M., Lai, W., Zhang, X., Yang, B., Chen, X., & Ni, Q.

<https://doi.org/10.1002/anie.202302676>

Engineering Single-Atom Nanozymes for Catalytic Biomedical Applications.

Small 2023, (Weinheim an der Bergstrasse, Germany), e2300750. Advance online publication.

Zhu, Y., Liao, Y., Zou, J., Cheng, J., Pan, Y., Lin, L., & Chen, X.

<https://doi.org/10.1002/smll.202300750>

Milk-derived extracellular vesicles protect intestinal barrier integrity in the gut-liver axis.

Science advances, 2023, 9(15), eade5041.

Tong, L., Zhang, S., Liu, Q., Huang, C., Hao, H., Tan, M. S., Yu, X., Lou, C. K. L., Huang, R., Zhang, Z., Liu, T., Gong, P., Ng, C. H., Muthiah, M., Pastorin, G., Wacker, M. G., Chen, X., Storm, G., Lee, C. N., Zhang, L., H. Yi, Wang, J. W.

<https://doi.org/10.1126/sciadv.ade5041>

Water-Soluble Au₂₅ Clusters with Single-Crystal Structure for Mitochondria-Targeting Radioimmunotherapy.

ACS nano, 10.1021/acsnano.3c01068. Advance online publication.

Hua, Y., Shao, Z. H., Zhai, A., Zhang, L. J., Wang, Z. Y., Zhao, G., Xie, F., Liu, J. Q., Zhao, X., Chen, X., & Zang, S. Q.

<https://doi.org/10.1021/acsnano.3c01068>

Materials engineering strategies for cancer vaccine adjuvant development.

Chemical Society reviews, 10.1039/d2cs00647b. Advance online publication.

Zhang, X., Yang, B., Ni, Q., & Chen, X.

<https://doi.org/10.1039/d2cs00647b>

Integrative network-based analysis on multiple Gene Expression Omnibus datasets identifies novel immune molecular markers implicated in non-alcoholic steatohepatitis.

Frontiers in endocrinology, 2023, 14, 1115890.

Zhang, J. J., Shen, Y., Chen, X. Y., Jiang, M. L., Yuan, F. H., Xie, S. L., Zhang, J., & Xu, F.

<https://doi.org/10.3389/fendo.2023.1115890>

Aspartate beta-hydroxylase domain containing 1 as a prognostic marker associated with immune infiltration in skin cutaneous melanoma

BMC cancer, 2023, 23(1), 292.

Sun, S., Deng, M., Wen, J., Chen, X., Xu, J., Liu, Y., Wan, H., Wang, J., Yan, L., He, Y., & Xu, Y.

<https://doi.org/10.1186/s12885-023-10625-8>

Artificial-enzymes-armed Bifidobacterium longum probiotics for alleviating intestinal inflammation and microbiota dysbiosis.

Nature nanotechnology, 2023, 10.1038/s41565-023-01346-x. Advance online publication.

Cao, F., Jin, L., Gao, Y., Ding, Y., Wen, H., Qian, Z., Zhang, C., Hong, L., Yang, H., Zhang, J., Tong, Z., Wang, W., Chen, X., & Mao, Z.

<https://doi.org/10.1038/s41565-023-01346-x>

Iron-siRNA Nanohybrids for Enhanced Chemodynamic Therapy via Ferritin Heavy Chain Downregulation.

Angewandte Chemie (International ed. in English), e202302255. Advance online publication.

Wang, J., Ding, H., Zhu, Y., Liu, Y., Yu, M., Cai, H., Ao, R., Huang, H., Gong, P., Liao, Y., Chen, Z., Lin, L., Chen, X., & Yang, H.

<https://doi.org/10.1002/anie.202302255>

Engineered Toll-like Receptor Nanoagonist Binding to Extracellular Matrix Elicits Safe and Robust Antitumor Immunity.

ACS nano, 2023, 17(6), 5340–5353.

Yang, L., Lang, Y., Wu, H., Xiang, K., Wang, Y., Yu, M., Liu, Y., Yang, B., He, L., Lu, G., Ni, Q., Chen, X., & Zhang, L.

<https://doi.org/10.1021/acsnano.2c08429>

Harnessing Nanomaterials for Cancer Sonodynamic Immunotherapy.

Advanced materials (Deerfield Beach, Fla.), e2211130. Advance online publication.

Liang, S., Yao, J., Liu, D., Rao, L., Chen, X., & Wang, Z. (2023).

<https://doi.org/10.1002/adma.202211130>

Ferroptosis MRI for early detection of anticancer drug-induced acute cardiac/kidney injuries.

Science advances, 9(10), eadd8539.

Zeng, F., Nijati, S., Liu, Y., Yang, Q., Liu, X., Zhang, Q., Chen, S., Su, A., Xiong, H., Shi, C., Cai, C., Lin, Z., Chen, X., & Zhou, Z.

<https://doi.org/10.1126/sciadv.add8539>

In Situ Transformable Nanoplatfoms with Supramolecular Crosslinking Triggered Complementary Function for Enhanced Cancer Photodynamic Therapy.

Advanced materials (Deerfield Beach, Fla.), 2023, e2209944. Advance online publication.

Zhao, M., Zhuang, H., Li, B., Chen, M., & Chen, X.

<https://doi.org/10.1002/adma.202209944>

Transition Metal-based Therapies for Inflammatory Diseases.

Advanced materials (Deerfield Beach, Fla.), 2023, e2212102. Advance online publication.

Song, Y., You, Q., & Chen, X.

<https://doi.org/10.1002/adma.202212102>

Exosomal STIMATE derived from type II alveolar epithelial cells controls metabolic reprogramming of tissue-resident alveolar macrophages.

Theranostics, 13(3), 991–1009.

Feng, Z., Jing, Z., Li, Q., Chu, L., Jiang, Y., Zhang, X., Yan, L., Liu, Y., Jiang, J., Xu, P., Chen, Q., Wang, M., Yang, H., Zhou, G., Jiang, X., Chen, X., & Xia, H.

<https://doi.org/10.7150/thno.82552>

Ferroptosis Detection: From Approaches to Applications

Angewandte Chemie (International ed. in English), e202300379. Advance online publication.

Zeng, F., Nijjati, S., Tang, L., Ye, J., Zhou, Z., & Chen, X.

<https://doi.org/10.1002/anie.202300379>

Ultra-wideband-responsive photon conversion through co-sensitization in lanthanide nanocrystals.

Nature communications, 14(1), 827.

Jiang, Z., He, L., Yang, Z., Qiu, H., Chen, X., Yu, X., & Li, W.

<https://doi.org/10.1038/s41467-023-36510-3>

Boosting Checkpoint Immunotherapy with Biomaterials.

ACS Nano. 2023 Feb 6. doi: 10.1021/acsnano.2c11691.

Liu L, Pan Y, Zhao C, Huang P, Chen X, Rao L.

<https://pubs.acs.org/doi/10.1021/acsnano.2c11691>

Peptide Receptor Radionuclide Therapy in Patients With Advanced Progressive Medullary Thyroid Cancer: Efficacy, Safety, and Survival Predictors.

Clin Nucl Med. 2023 Mar 1;48(3):221-227.

Liu Q, Kulkarni HR, Zhao T, Schuchardt C, Chen X, Zhu Z, Zhang J, Baum RP.

https://journals.lww.com/nuclearmed/Abstract/2023/03000/Peptide_Receptor_Radionuclide_Therapy_in_Patients.3.aspx

Vesicular Antibodies: Shedding Light on Antibody Therapeutics with Cell Membrane Nanotechnology.

Adv Mater. 2023 Jan 31:e2207875.

Zhao C, Pan Y, Yu G, Zhao XZ, Chen X, Rao L.

<https://onlinelibrary.wiley.com/doi/10.1002/adma.202207875>

Boosting Ferroptosis Therapy with Iridium Single Atom Nanocatalyst in Ultra-low Metal Content.

Adv Mater. 2023 Jan 31:e2210037.

Cheng J, Li L, Jin D, Dai Y, Zhu Y, Zou J, Liu M, Yu W, Yu J, Sun Y, Chen X, Liu Y.

<https://onlinelibrary.wiley.com/doi/10.1002/adma.202210037>

Amplification of Lipid Peroxidation by Regulating Cell Membrane Unsaturation to Enhance Chemodynamic Therapy.

Angew Chem Int Ed Engl. 2023 Jan 28.

Zhu Y, Gong P, Wang J, Cheng J, Wang W, Cai H, Ao R, Huang H, Yu M, Lin L, Chen X.

<https://onlinelibrary.wiley.com/doi/10.1002/anie.202218407>

Fluorescence Imaging-Incorporated Transcriptome Study of Glutathione Depletion-Enhanced Ferroptosis Therapy via Targeting Gold Nanoclusters.

ACS Appl Mater Interfaces. 2023 Jan 27. doi: 10.1021/acsami.2c18289.

Zhao D, Huang X, Tian Y, Zou J, Wang F, Chen X.

<https://pubs.acs.org/doi/10.1021/acsami.2c18289>

Enhancing Catalytic Activity of a Nickel Single Atom Enzyme by Polynary Heteroatom Doping for Ferroptosis-Based Tumor Therapy.

ACS Nano. 2023 Jan 16. doi: 10.1021/acsnano.2c11923.

Zhu Y, Wang W, Gong P, Zhao Y, Pan Y, Zou J, Ao R, Wang J, Cai H, Huang H, Yu M, Wang H, Lin L, Chen X, Wu Y.

<https://pubs.acs.org/doi/10.1021/acsnano.2c11923>

Tumor polyamines as guest cues attract host-functionalized liposomes for targeting and hunting via a bio-orthogonal supramolecular strategy

Theranostics. 2023 Jan 1;13(2):611-620.

Cheng Q, Yang Z, Quan X, Ding Y, Li J, Wang Z, Zhao Y, Chen X, Wang R.

<https://www.thno.org/v13p0611.htm>

Mace-Like Plasmonic Au-Pd Heterostructures Boost Near-Infrared Photoimmunotherapy

Adv Sci (Weinh). 2023 Jan 4;e2204842

Yanlin Feng, Xin Ning, Jianlin Wang, Zhaoyang Wen, Fangfang Cao, Qing You, Jianhua Zou, Xin Zhou, Teng Sun, Jimin Cao, Xiaoyuan Chen

<https://onlinelibrary.wiley.com/doi/10.1002/advs.202204842>