# Wei Wei

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5384243/publications.pdf

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|---|---|---|---|
| 109 papers | 8,416 citations | 38660 50 h-index | 46693 89 g-index |
| 113 all docs | 113 docs citations | 113 times ranked | 11742 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Surface Charge Affects Cellular Uptake and Intracellular Trafficking of Chitosan-Based Nanoparticles. Biomacromolecules, 2011, 12, 2440-2446. | 2.6 | 478 |
| 2 | Preparation of Hierarchical Hollow CaCO<sub>3</sub> Particles and the Application as Anticancer Drug Carrier. Journal of the American Chemical Society, 2008, 130, 15808-15810. | 6.6 | 431 |
| 3 | The role of the lateral dimension of graphene oxide in the regulation of cellular responses. Biomaterials, 2012, 33, 4013-4021. | 5.7 | 344 |
| 4 | A thermosensitive hydrogel based on quaternized chitosan and poly(ethylene glycol) for nasal drug delivery system. Biomaterials, 2007, 28, 2220-2232. | 5.7 | 307 |
| 5 | Preparation and evaluation of alginateâ€“chitosan microspheres for oral delivery of insulin. European Journal of Pharmaceutics and Biopharmaceutics, 2011, 77, 11-19. | 2.0 | 262 |
| 6 | Engineering Magnetosomes for Ferroptosis/Immunomodulation Synergism in Cancer. ACS Nano, 2019, 13, 5662-5673. | 7.3 | 261 |
| 7 | Packaging and delivering enzymes by amorphous metal-organic frameworks. Nature Communications, 2019, 10, 5165. | 5.8 | 234 |
| 8 | Immunomodulationâ€Enhanced Nanozymeâ€Based Tumor Catalytic Therapy. Advanced Materials, 2020, 32, e2003563. | 11.1 | 226 |
| 9 | Biomimetic Immunoâ€Magnetosomes for Highâ€Performance Enrichment of Circulating Tumor Cells. Advanced Materials, 2016, 28, 7929-7935. | 11.1 | 190 |
| 10 | Exploiting the pliability and lateral mobility of Pickering emulsion for enhanced vaccination. Nature Materials, 2018, 17, 187-194. | 13.3 | 190 |
| 11 | Multifunctional mesoporous material for detection, adsorption and removal of Hg2+ in aqueous solution. Journal of Materials Chemistry, 2010, 20, 4635. | 6.7 | 169 |
| 12 | PEGylated graphene oxide elicits strong immunological responses despite surface passivation. Nature Communications, 2017, 8, 14537. | 5.8 | 157 |
| 13 | Nanolongan with Multiple On-Demand Conversions for Ferroptosisâ€“Apoptosis Combined Anticancer Therapy. ACS Nano, 2019, 13, 260-273. | 7.3 | 155 |
| 14 | Revealing the immune perturbation of black phosphorus nanomaterials to macrophages by understanding the protein corona. Nature Communications, 2018, 9, 2480. | 5.8 | 152 |
| 15 | Biomimetic Magnetosomes as Versatile Artificial Antigen-Presenting Cells to Potentiate T-Cell-Based Anticancer Therapy. ACS Nano, 2017, 11, 10724-10732. | 7.3 | 150 |
| 16 | Particle size affects the cellular response in macrophages. European Journal of Pharmaceutical Sciences, 2010, 41, 650-657. | 1.9 | 147 |
| 17 | Pore size of macroporous polystyrene microspheres affects lipase immobilization. Journal of Molecular Catalysis B: Enzymatic, 2010, 66, 182-189. | 1.8 | 139 |
| 18 | Codelivery of mTERT siRNA and paclitaxel by chitosan-based nanoparticles promoted synergistic tumor suppression. Biomaterials, 2013, 34, 3912-3923. | 5.7 | 133 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Monodisperse Chitosan Microspheres with Interesting Structures for Protein Drug Delivery. Advanced Materials, 2008, 20, 2292-2296. | 11.1 | 123 |
| 20 | Biomineralized Bacterial Outer Membrane Vesicles Potentiate Safe and Efficient Tumor Microenvironment Reprogramming for Anticancer Therapy. Advanced Materials, 2020, 32, e2002085. | 11.1 | 118 |
| 21 | Programmed co-delivery of paclitaxel and doxorubicin boosted by camouflaging with erythrocyte membrane. Nanoscale, 2015, 7, 4020-4030. | 2.8 | 111 |
| 22 | Apoferritinâ€“CeO<sub>2</sub>nano-truffle that has excellent artificial redox enzyme activity. Chemical Communications, 2012, 48, 3155-3157. | 2.2 | 105 |
| 23 | Thermal-sensitive hydrogel as adjuvant-free vaccine delivery system for H5N1 intranasal immunization. Biomaterials, 2012, 33, 2351-2360. | 5.7 | 96 |
| 24 | MOFs-based nanoagent enables dual mitochondrial damage in synergistic antitumor therapy via oxidative stress and calcium overload. Nature Communications, 2021, 12, 6399. | 5.8 | 95 |
| 25 | Iron Oxide Nanotubes for Magnetically Guided Delivery and pHâ€Activated Release of Insoluble Anticancer Drugs. Advanced Functional Materials, 2011, 21, 3446-3453. | 7.8 | 93 |
| 26 | Transport of a graphene nanosheet sandwiched inside cell membranes. Science Advances, 2019, 5, eaaw3192. | 4.7 | 93 |
| 27 | Highly Efficient In Vivo Cancer Therapy by an Implantable Magnet Triboelectric Nanogenerator. Advanced Functional Materials, 2019, 29, 1808640. | 7.8 | 92 |
| 28 | Porous Quaternized Chitosan Nanoparticles Containing Paclitaxel Nanocrystals Improved Therapeutic Efficacy in Non-Small-Cell Lung Cancer after Oral Administration. Biomacromolecules, 2011, 12, 4230-4239. | 2.6 | 88 |
| 29 | Cancer Cell Membrane-Biomimetic Nanoprobes with Two-Photon Excitation and Near-Infrared Emission for Intravital Tumor Fluorescence Imaging. ACS Nano, 2018, 12, 1350-1358. | 7.3 | 88 |
| 30 | Macrophage-tumor chimeric exosomes accumulate in lymph node and tumor to activate the immune response and the tumor microenvironment. Science Translational Medicine, 2021, 13, eabb6981. | 5.8 | 84 |
| 31 | Thermosensitive polymer-conjugated albumin nanospheres as thermal targeting anti-cancer drug carrier. European Journal of Pharmaceutical Sciences, 2008, 35, 271-282. | 1.9 | 77 |
| 32 | A galactosamine-mediated drug delivery carrier for targeted liver cancer therapy. Pharmacological Research, 2011, 64, 410-419. | 3.1 | 73 |
| 33 | Targeted Delivery of Insoluble Cargo (Paclitaxel) by PEGylated Chitosan Nanoparticles Grafted with Arg-Gly-Asp (RGD). Molecular Pharmaceutics, 2012, 9, 1736-1747. | 2.3 | 72 |
| 34 | Nanoparticles-based multi-adjuvant whole cell tumor vaccine forÂcancer immunotherapy. Biomaterials, 2013, 34, 8291-8300. | 5.7 | 71 |
| 35 | Magnetic Nanoclusters Armed with Responsive PD-1 Antibody Synergistically Improved Adoptive T-Cell Therapy for Solid Tumors. ACS Nano, 2019, 13, 1469-1478. | 7.3 | 71 |
| 36 | Porogen effects in synthesis of uniform micrometer-sized poly(divinylbenzene) microspheres with high surface areas. Journal of Colloid and Interface Science, 2008, 323, 52-59. | 5.0 | 69 |

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|---|---|---|---|
| 37 | Construction of a Biomimetic Magnetosome and Its Application as a SiRNA Carrier for Highâ€Performance Anticancer Therapy. Advanced Functional Materials, 2018, 28, 1703326. | 7.8 | 69 |
| 38 | Uniform-sized PLA nanoparticles: Preparation by premix membrane emulsification. International Journal of Pharmaceutics, 2008, 359, 294-297. | 2.6 | 66 |
| 39 | Engineering Magnetosomes for High-Performance Cancer Vaccination. ACS Central Science, 2019, 5, 796-807. | 5.3 | 66 |
| 40 | Arsenene: A Potential Therapeutic Agent for Acute Promyelocytic Leukaemia Cells by Acting on Nuclear Proteins. Angewandte Chemie - International Edition, 2020, 59, 5151-5158. | 7.2 | 62 |
| 41 | Preparation of uniform-sized PELA microspheres with high encapsulation efficiency of antigen by premix membrane emulsification. Journal of Colloid and Interface Science, 2008, 323, 267-273. | 5.0 | 60 |
| 42 | Self-healing microcapsules synergetically modulate immunization microenvironments for potent cancer vaccination. Science Advances, 2020, 6, eaay7735. | 4.7 | 58 |
| 43 | Establishment of peripheral blood mononuclear cell-derived humanized lung cancer mouse models for studying efficacy of PD-L1/PD-1 targeted immunotherapy. MAbs, 2018, 10, 1301-1311. | 2.6 | 57 |
| 44 | Near-infrared lightâ€“triggered platelet arsenal for combined photothermal-immunotherapy against cancer. Science Advances, 2021, 7, . | 4.7 | 57 |
| 45 | Hollow quaternized chitosan microspheres increase the therapeutic effect of orally administered insulin. Acta Biomaterialia, 2010, 6, 205-209. | 4.1 | 56 |
| 46 | Therapeutic vaccination against leukaemia via the sustained release of co-encapsulated anti-PD-1 and a leukaemia-associated antigen. Nature Biomedical Engineering, 2021, 5, 414-428. | 11.6 | 56 |
| 47 | Identification of SARS-CoV-2-against aptamer with high neutralization activity by blocking the RBD domain of spike protein 1. Signal Transduction and Targeted Therapy, 2021, 6, 227. | 7.1 | 56 |
| 48 | Preparation of uniform-sized pH-sensitive quaternized chitosan microsphere by combining membrane emulsification technique and thermal-gelation method. Colloids and Surfaces B: Biointerfaces, 2008, 63, 164-175. | 2.5 | 55 |
| 49 | Exploration of Antigen Induced CaCO<sub>3</sub> Nanoparticles for Therapeutic Vaccine. Small, 2018, 14, e1704272. | 5.2 | 55 |
| 50 | Superior Intratumoral Penetration of Paclitaxel Nanodots Strengthens Tumor Restriction and Metastasis Prevention. Small, 2015, 11, 2518-2526. | 5.2 | 54 |
| 51 | Background-free latent fingerprint imaging based on nanocrystals with long-lived luminescence and pH-guided recognition. Nano Research, 2018, 11, 6167-6176. | 5.8 | 52 |
| 52 | Reduction of choroidal neovascularization via cleavable VEGF antibodies conjugated to exosomes derived from regulatory T cells. Nature Biomedical Engineering, 2021, 5, 968-982. | 11.6 | 52 |
| 53 | Exploration and functionalization of M1-macrophage extracellular vesicles for effective accumulation in glioblastoma and strong synergistic therapeutic effects. Signal Transduction and Targeted Therapy, 2022, 7, 74. | 7.1 | 52 |
| 54 | Galactosylated nanocrystallites of insoluble anticancer drug for liver-targeting therapy: an in vitro evaluation. Nanomedicine, 2010, 5, 589-596. | 1.7 | 51 |

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|---|---|---|---|
| 55 | Bioinspired peptosomes with programmed stimuli-responses for sequential drug release and high-performance anticancer therapy. Nanoscale, 2017, 9, 9317-9324. | 2.8 | 51 |
| 56 | Biosynthesis of Selfâ€Assembled Proteinaceous Nanoparticles for Vaccination. Advanced Materials, 2020, 32, e2002940. | 11.1 | 50 |
| 57 | Exploration of graphene oxide as an intelligent platform for cancer vaccines. Nanoscale, 2015, 7, 19949-19957. | 2.8 | 49 |
| 58 | Surface-Engineered Graphene Navigate Divergent Biological Outcomes toward Macrophages. ACS Applied Materials & Interfaces, 2015, 7, 5239-5247. | 4.0 | 48 |
| 59 | Biomimetically Engineered Demiâ€Bacteria Potentiate Vaccination against Cancer. Advanced Science, 2017, 4, 1700083. | 5.6 | 47 |
| 60 | Simulation of nanoparticles interacting with a cell membrane: probing the structural basis and potential biomedical application. NPG Asia Materials, 2021, 13, . | 3.8 | 46 |
| 61 | Preparation of Uniformly Sized Chitosan Nanospheres by a Premix Membrane Emulsification Technique. Industrial & Engineering Chemistry Research, 2009, 48, 8819-8828. | 1.8 | 45 |
| 62 | Apoferritin-camouflaged Pt nanoparticles: surface effects on cellular uptake and cytotoxicity. Journal of Materials Chemistry, 2011, 21, 7105. | 6.7 | 44 |
| 63 | Ferritin-based targeted delivery of arsenic to diverse leukaemia types confers strong anti-leukaemia therapeutic effects. Nature Nanotechnology, 2021, 16, 1413-1423. | 15.6 | 44 |
| 64 | An Effective Way To Hydrophilize Gigaporous Polystyrene Microspheres as Rapid Chromatographic Separation Media for Proteins. Langmuir, 2008, 24, 13646-13652. | 1.6 | 42 |
| 65 | Bioprocess of uniform-sized crosslinked chitosan microspheres in rats following oral administration. European Journal of Pharmaceutics and Biopharmaceutics, 2008, 69, 878-886. | 2.0 | 41 |
| 66 | Antimonene with two-orders-of-magnitude improved stability for high-performance cancer theranostics. Chemical Science, 2019, 10, 4847-4853. | 3.7 | 39 |
| 67 | Tumor Exosomes Reprogrammed by Low pH Are Efficient Targeting Vehicles for Smart Drug Delivery and Personalized Therapy against their Homologous Tumor. Advanced Science, 2021, 8, 2002787. | 5.6 | 38 |
| 68 | The orchestration of cellular and humoral responses is facilitated by divergent intracellular antigen trafficking in nanoparticle-based therapeutic vaccine. Pharmacological Research, 2012, 65, 189-197. | 3.1 | 35 |
| 69 | Molecular structure matters: PEG-b-PLA nanoparticles with hydrophilicity and deformability demonstrate their advantages for high-performance delivery of anti-cancer drugs. Journal of Materials Chemistry B, 2013, 1, 3239. | 2.9 | 35 |
| 70 | The molecular mechanism of robust macrophage immune responses induced by PEGylated molybdenum disulfide. Nanoscale, 2019, 11, 22293-22304. | 2.8 | 35 |
| 71 | Enhancing therapeutic performance of personalized cancer vaccine via delivery vectors. Advanced Drug Delivery Reviews, 2021, 177, 113927. | 6.6 | 34 |
| 72 | Effect of acrylic acid weight percentage on the pore size in poly(N-Isopropyl acrylamide-co-acrylic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 2.0 | 33 |

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|---|---|---|---|
| 73 | mPEG-PLA microspheres with narrow size distribution increase the controlled release effect of recombinant human growth hormone. Journal of Materials Chemistry, 2011, 21, 12691. | 6.7 | 32 |
| 74 | Cell Membrane Camouflaged Hydrophobic Drug Nanoflake Sandwiched with Photosensitizer for Orchestration of Chemoâ€Photothermal Combination Therapy. Small, 2019, 15, e1805544. | 5.2 | 30 |
| 75 | Experimental and theoretical explorations of nanocarriersâ€™ multistep delivery performance for rational design and anticancer prediction. Science Advances, 2021, 7, . | 4.7 | 30 |
| 76 | In Situ Generation of Gold Nanoparticles on Bacteriaâ€Derived Magnetosomes for Imagingâ€Guided Starving/Chemodynamic/Photothermal Synergistic Therapy against Cancer. Advanced Functional Materials, 2022, 32, . | 7.8 | 24 |
| 77 | Shielding Ferritin with a Biomineralized Shell Enables Efficient Modulation of Tumor Microenvironment and Targeted Delivery of Diverse Therapeutic Agents. Advanced Materials, 2022, 34, e2107150. | 11.1 | 24 |
| 78 | Chemical modification and characterization of gigaporous polystyrene microspheres as rapid separation of proteins base supports. Journal of Polymer Science Part A, 2008, 46, 5794-5804. | 2.5 | 23 |
| 79 | Bio-inspired proteinâ€“gold nanoconstruct with coreâ€“voidâ€“shell structure: beyond a chemo drug carrier. Journal of Materials Chemistry B, 2013, 1, 3136-3143. | 2.9 | 22 |
| 80 | Amplifying Nanoparticle Targeting Performance to Tumor via Dielsâ€“Alder Cycloaddition. Advanced Functional Materials, 2018, 28, 1707596. | 7.8 | 22 |
| 81 | In situ growth of nano-antioxidants on cellular vesicles for efficient reactive oxygen species elimination in acute inflammatory diseases. Nano Today, 2021, 40, 101282. | 6.2 | 22 |
| 82 | Higher Order Protein Catenation Leads to an Artificial Antibody with Enhanced Affinity and In Vivo Stability. Journal of the American Chemical Society, 2021, 143, 18029-18040. | 6.6 | 22 |
| 83 | Choice of Nanovaccine Delivery Mode Has Profound Impacts on the Intralymph Node Spatiotemporal Distribution and Immunotherapy Efficacy. Advanced Science, 2020, 7, 2001108. | 5.6 | 21 |
| 84 | Shape Designed Implanted Drug Delivery System for In Situ Hepatocellular Carcinoma Therapy. ACS Nano, 2022, 16, 8493-8503. | 7.3 | 21 |
| 85 | Engineering magnetosomes with chimeric membrane and hyaluronidase for efficient delivery of HIF-1 siRNA into deep hypoxic tumors. Chemical Engineering Journal, 2020, 398, 125453. | 6.6 | 20 |
| 86 | Breaching the Hyaluronan Barrier with PH20â€Fc Facilitates Intratumoral Permeation and Enhances Antitumor Efficiency: A Comparative Investigation of Typical Therapeutic Agents in Different Nanoscales. Advanced Healthcare Materials, 2016, 5, 2872-2881. | 3.9 | 19 |
| 87 | Single-Chromophore-Based Therapeutic Agent Enables Green-Light-Triggered Chemotherapy and Simultaneous Photodynamic Therapy to Cancer Cells. ACS Applied Bio Materials, 2019, 2, 3068-3076. | 2.3 | 19 |
| 88 | Advances of bacteria-based delivery systems for modulating tumor microenvironment. Advanced Drug Delivery Reviews, 2022, 188, 114444. | 6.6 | 18 |
| 89 | Functional gigaporous polystyrene microspheres facilitating separation of poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 | 2.6 | 17 |
| 90 | Transformable vesicles for cancer immunotherapy. Advanced Drug Delivery Reviews, 2021, 179, 113905. | 6.6 | 16 |

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|---|---|---|---|
| 91 | Recent Advances in Particulate Adjuvants for Cancer Vaccination. Advanced Therapeutics, 2020, 3, 1900115. | 1.6 | 15 |
| 92 | Facile method for CLSM imaging unfunctionalized Au nanoparticles through fluorescent channels. Journal of Nanoparticle Research, 2009, 11, 1219-1225. | 0.8 | 14 |
| 93 | Preparation of Uniform Microspheres and Microcapsules by Modified Emulsification Process. Macromolecular Symposia, 2010, 288, 41-48. | 0.4 | 14 |
| 94 | Effect of solubilization of surfactant aggregates on pore structure in gigaporous polymeric particles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 384, 549-554. | 2.3 | 14 |
| 95 | Direct low-temperature synthesis of ultralong persistent luminescence nanobelts based on a biphasic solution-chemical reaction. Chinese Chemical Letters, 2018, 29, 1641-1644. | 4.8 | 14 |
| 96 | Lymph Node-Targeting Nanovaccine through Antigen-CpG Self-Assembly Potentiates Cytotoxic T Cell Activation. Journal of Immunology Research, 2018, 2018, 1-10. | 0.9 | 14 |
| 97 | In vivo immunological response of exposure to PEGylated graphene oxide via intraperitoneal injection. Journal of Materials Chemistry B, 2020, 8, 6845-6856. | 2.9 | 14 |
| 98 | Two-step tumor-targeting therapy via integrating metabolic lipid-engineering with in situ click chemistry. Biomaterials Science, 2020, 8, 2283-2288. | 2.6 | 12 |
| 99 | Investigation on the Uniformity and Stability of Sunflower Oil/Water Emulsions Prepared by a Shirasu Porous Glass Membrane. Industrial & Engineering Chemistry Research, 2008, 47, 6412-6417. | 1.8 | 11 |
| 100 | Mechanical determination of particleâ€“cell interactions and the associated biomedical applications. Journal of Materials Chemistry B, 2018, 6, 7129-7143. | 2.9 | 9 |
| 101 | Exosomes: The Indispensable Messenger in Tumor Pathogenesis and the Rising Star in Antitumor Applications. Advanced Biology, 2019, 3, e1900008. | 3.0 | 8 |
| 102 | Oral delivery of protein and anticancer drugs by uniform-sized chitosan micro/nanoparticles with autofluorescent property. Journal of Controlled Release, 2015, 213, e111. | 4.8 | 6 |
| 103 | Design and preparation of chimeric hyaluronidase as a chaperone for the subcutaneous administration of biopharmaceuticals. Biochemical Engineering Journal, 2016, 112, 32-41. | 1.8 | 6 |
| 104 | A Highâ€Resolution Ternary Model Demonstrates How PEGylated 2D Nanomaterial Stimulates Integrin Î±<sub>v</sub>Î²<sub>8</sub> on Cell Membrane. Advanced Science, 2021, 8, e2004506. | 5.6 | 6 |
| 105 | Recent advances in platelet engineering for anti-cancer therapies. Particuology, 2022, 64, 2-13. | 2.0 | 5 |
| 106 | Applications of Calcium-Based Nanomaterials in Osteoporosis Treatment. ACS Biomaterials Science and Engineering, 2022, 8, 424-443. | 2.6 | 4 |
| 107 | Towards A Deeper Understanding of the Interfacial Adsorption of Enzyme Molecules in Gigaporous Polymeric Microspheres. Polymers, 2016, 8, 116. | 2.0 | 1 |
| 108 | Principles of regulating particle multiscale structures for controlling particle-cell interaction process. Chemical Engineering Science, 2021, 232, 116343. | 1.9 | 1 |

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| 109 | Arsenene: A Potential Therapeutic Agent for Acute Promyelocytic Leukaemia Cells by Acting on Nuclear Proteins. Angewandte Chemie, 2020, 132, 5189-5196. | 1.6 | 0 |