Wei-Hai Chen

List of Publications by Year
in descending order

55 papers	5,449 citations	81900 39 h-index	155660 55 g-index
55 all docs	55 docs citations	55 times ranked	7471 citing authors

#	Article	IF	Citations
1	Biomedical polymers: synthesis, properties, and applications. Science China Chemistry, 2022, 65, 1010-1075.	8.2	85
2	Cell primitive-based biomimetic functional materials for enhanced cancer therapy. Chemical Society Reviews, 2021, 50, 945-985.	38.1	108
3	Recent Advances in Engineered Materials for Immunotherapyâ€Involved Combination Cancer Therapy. Advanced Materials, 2021, 33, e2007630.	21.0	112
4	A tumor-cell biomimetic nanoplatform embedding biological enzymes for enhanced metabolic therapy. Chemical Communications, 2021, 57, 9398-9401.	4.1	5
5	A Self-Driven Bioreactor Based on Bacteriumâ€“Metalâ€“Organic Framework Biohybrids for Boosting Chemotherapy via Cyclic Lactate Catabolism. ACS Nano, 2021, 15, 17870-17884.	14.6	56
6	100th Anniversary of Macromolecular Science Viewpoint: Poly(N-isopropylacrylamide)-Based Thermally Responsive Micelles. ACS Macro Letters, 2020, 9, 872-881.	4.8	46
7	Modelling Photosynthesis with Zn II â€Protoporphyrin Allâ€DNA Gâ€Quadruplex/Aptamer Scaffolds. Angewandte Chemie, 2020, 132, 9248-9255.	2.0	8
8	Modelling Photosynthesis with Zn II â€Protoporphyrin Allâ€DNA Gâ€Quadruplex/Aptamer Scaffolds. Angewandte Chemie - International Edition, 2020, 59, 9163-9170.	13.8	17
9	MicroRNA-Guided Selective Release of Loads from Micro-/Nanocarriers Using Auxiliary Constitutional Dynamic Networks. ACS Nano, 2020, 14, 1482-1491.	14.6	25
10	Artificial Photosynthesis with Electron Acceptor/Photosensitizer-Aptamer Conjugates. Nano Letters, 2019, 19, 6621-6628.	9.1	12
11	miRNAâ€Specific Unlocking of Drugâ€Loaded Metalâ€“Organic Framework Nanoparticles: Targeted Cytotoxicity toward Cancer Cells. Small, 2019, 15, e1900935.	10.0	38
12	Photosensitized H₂ Evolution and NADPH Formation by Photosensitizer/Carbon Nitride Hybrid Nanoparticles. Nano Letters, 2019, 19, 9121-9130.	9.1	13
13	Thrombin Aptamer-Modified Metalâ€“Organic Framework Nanoparticles: Functional Nanostructures for Sensing Thrombin and the Triggered Controlled Release of Anti-Blood Clotting Drugs. Sensors, 2019, 19, 5260.	3.8	16
14	Recent Advances in Subcellular Targeted Cancer Therapy Based on Functional Materials. Advanced Materials, 2019, 31, e1802725.	21.0	230
15	Enzymeâ€Driven Release of Loads from Nucleic Acidâ€“Capped Metalâ€“Organic Framework Nanoparticles. Advanced Functional Materials, 2019, 29, 1805341.	14.9	41
16	Drug Carriers: Stimuliâ€Responsive Nucleic Acidâ€Based Polyacrylamide Hydrogelâ€Coated Metalâ€“Organic Framework Nanoparticles for Controlled Drug Release (Adv. Funct. Mater. 8/2018). Advanced Functional Materials, 2018, 28, 1870053.	14.9	10
17	Targeted VEGF-triggered release of an anti-cancer drug from aptamer-functionalized metalâ€“organic framework nanoparticles. Nanoscale, 2018, 10, 4650-4657.	5.6	70
18	Stimuliâ€Responsive Nucleic Acidâ€Based Polyacrylamide Hydrogelâ€Coated Metalâ€“Organic Framework Nanoparticles for Controlled Drug Release. Advanced Functional Materials, 2018, 28, 1705137.	14.9	201

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19	Cu²⁺â€Modified Metalâ€“Organic Framework Nanoparticles: A Peroxidaseâ€Mimicking Nanoenzyme. Small, 2018, 14, 1703149.	10.0	131
20	Glucose-Responsive Metalâ€“Organic-Framework Nanoparticles Act as â€œSmartâ€•Sense-and-Treat Carriers. ACS Nano, 2018, 12, 7538-7545.	14.6	203
21	Biocatalytic cascades driven by enzymes encapsulated in metalâ€“organic framework nanoparticles. Nature Catalysis, 2018, 1, 689-695.	34.4	494
22	Overcoming the Heat Endurance of Tumor Cells by Interfering with the Anaerobic Glycolysis Metabolism for Improved Photothermal Therapy. ACS Nano, 2017, 11, 1419-1431.	14.6	284
23	Mesoporous silica-based versatile theranostic nanoplatform constructed by layer-by-layer assembly for excellent photodynamic/chemo therapy. Biomaterials, 2017, 117, 54-65.	11.4	179
24	Drug Delivery: ATPâ€Responsive Aptamerâ€Based Metalâ€“Organic Framework Nanoparticles (NMOFs) for the Controlled Release of Loads and Drugs (Adv. Funct. Mater. 37/2017). Advanced Functional Materials, 2017, 27, .	14.9	2
25	An O₂ Selfâ€Supplementing and Reactiveâ€Oxygenâ€Speciesâ€Circulating Amplified Nanoplatform via H₂O/H₂O₂ Splitting for Tumor Imaging and Photodynamic Therapy. Advanced Functional Materials, 2017, 27, 1700626.	14.9	171
26	ATPâ€Responsive Aptamerâ€Based Metalâ€“Organic Framework Nanoparticles (NMOFs) for the Controlled Release of Loads and Drugs. Advanced Functional Materials, 2017, 27, 1702102.	14.9	169
27	A Selfâ€Transformable pHâ€Driven Membraneâ€Anchoring Photosensitizer for Effective Photodynamic Therapy to Inhibit Tumor Growth and Metastasis. Advanced Functional Materials, 2017, 27, 1702122.	14.9	89
28	Stimuli-responsive nucleic acid-functionalized metalâ€“organic framework nanoparticles using pH- and metal-ion-dependent DNAzymes as locks. Chemical Science, 2017, 8, 5769-5780.	7.4	176
29	Tumor Targeting: Programmed Nanococktail for Intracellular Cascade Reaction Regulating Selfâ€Synergistic Tumor Targeting Therapy (Small 6/2016). Small, 2016, 12, 828-828.	10.0	4
30	Programmed Nanococktail for Intracellular Cascade Reaction Regulating Selfâ€Synergistic Tumor Targeting Therapy. Small, 2016, 12, 733-744.	10.0	47
31	Tumor-Triggered Drug Release with Tumor-Targeted Accumulation and Elevated Drug Retention To Overcome Multidrug Resistance. Chemistry of Materials, 2016, 28, 6742-6752.	6.7	61
32	A Tripleâ€Collaborative Strategy for Highâ€Performance Tumor Therapy by Multifunctional Mesoporous Silicaâ€Coated Gold Nanorods. Advanced Functional Materials, 2016, 26, 4339-4350.	14.9	150
33	Rational design of multifunctional magnetic mesoporous silica nanoparticle for tumor-targeted magnetic resonance imaging and precise therapy. Biomaterials, 2016, 76, 87-101.	11.4	122
34	Multifunctional Theranostic Nanoplatform for Cancer Combined Therapy Based on Gold Nanorods. Advanced Healthcare Materials, 2015, 4, 2247-2259.	7.6	68
35	Bioinspired Nano-Prodrug with Enhanced Tumor Targeting and Increased Therapeutic Efficiency. Small, 2015, 11, 5230-5242.	10.0	34
36	A Tumor Targeted Chimeric Peptide for Synergistic Endosomal Escape and Therapy by Dualâ€Stage Light Manipulation. Advanced Functional Materials, 2015, 25, 1248-1257.	14.9	103

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37	Rational Design of Multifunctional Gold Nanoparticles via Hostâ€“Guest Interaction for Cancer-Targeted Therapy. ACS Applied Materials & Interfaces, 2015, 7, 17171-17180.	8.0	50
38	A Facile Multifunctionalized Gene Delivery Platform Based on Î±,Î² Cyclodextrin Dimers. ACS Biomaterials Science and Engineering, 2015, 1, 1151-1162.	5.2	8
39	A multifunctional metalâ€“organic framework based tumor targeting drug delivery system for cancer therapy. Nanoscale, 2015, 7, 16061-16070.	5.6	250
40	MMP-2 responsive polymeric micelles for cancer-targeted intracellular drug delivery. Chemical Communications, 2015, 51, 465-468.	4.1	104
41	Multi-Functional Envelope-Type Nanoparticles Assembled from Amphiphilic Peptidic Prodrug with Improved Anti-Tumor Activity. ACS Applied Materials & Interfaces, 2014, 6, 593-598.	8.0	36
42	Cancer-targeted functional gold nanoparticles for apoptosis induction and real-time imaging based on FRET. Nanoscale, 2014, 6, 9531.	5.6	35
43	Stepwise-Acid-Active Multifunctional Mesoporous Silica Nanoparticles for Tumor-Specific Nucleus-Targeted Drug Delivery. ACS Applied Materials & Interfaces, 2014, 6, 14568-14575.	8.0	52
44	A pH-responsive drug nanovehicle constructed by reversible attachment of cholesterol to PEGylated poly(l-lysine) via catecholâ€“boronic acid ester formation. Acta Biomaterialia, 2014, 10, 3686-3695.	8.3	63
45	Multifunctional Enveloped Mesoporous Silica Nanoparticles for Subcellular Co-delivery of Drug and Therapeutic Peptide. Scientific Reports, 2014, 4, 6064.	3.3	145
46	Charge-reversal plug gate nanovalves on peptide-functionalized mesoporous silica nanoparticles for targeted drug delivery. Journal of Materials Chemistry B, 2013, 1, 5723.	5.8	73
47	Therapeutic nanomedicine based on dual-intelligent functionalized gold nanoparticles for cancer imaging and therapy inÂvivo. Biomaterials, 2013, 34, 8798-8807.	11.4	118
48	Dual-Targeting Pro-apoptotic Peptide for Programmed Cancer Cell Death via Specific Mitochondria Damage. Scientific Reports, 2013, 3, 3468.	3.3	85
49	Synergistic gene and drug tumor therapy using a chimeric peptide. Biomaterials, 2013, 34, 4680-4689.	11.4	105
50	One-Pot Construction of Functional Mesoporous Silica Nanoparticles for the Tumor-Acidity-Activated Synergistic Chemotherapy of Glioblastoma. ACS Applied Materials & Interfaces, 2013, 5, 7995-8001.	8.0	77
51	Multifunctional Envelope-Type Mesoporous Silica Nanoparticles for Tumor-Triggered Targeting Drug Delivery. Journal of the American Chemical Society, 2013, 135, 5068-5073.	13.7	480
52	A new anti-cancer strategy of damaging mitochondria by pro-apoptotic peptide functionalized gold nanoparticles. Chemical Communications, 2013, 49, 6403.	4.1	41
53	In situ recognition of cell-surface glycans and targeted imaging of cancer cells. Scientific Reports, 2013, 3, 2679.	3.3	54
54	A plug and play polymeric template driven by supramolecular interactions. Journal of Biomedical Materials Research - Part A, 2012, 100A, 149-154.	4.0	2

#	Article	IF	Citations
55	Design of a Cellularâ€Uptakeâ€Shielding â€œPlug and Playâ€•Template for Photo Controllable Drug Release. Advanced Materials, 2011, 23, 3526-3530.	21.0	91