Yu Gao

List of Publications by Citations

56 papers	1,546 citations	23 h-index	38 g-index
61 ext. papers	1,903 ext. citations	7.7 avg, IF	4.76 L-index

#	Paper	IF	Citations
56	Recent progress in development of new sonosensitizers for sonodynamic cancer therapy. *Drug Discovery Today*, **2014**, 19, 502-9	8.8	197
55	Nanotechnology-based intelligent drug design for cancer metastasis treatment. *Biotechnology Advances*, **2014**, 32, 761-77	17.8	131
54	EpCAM aptamer-functionalized mesoporous silica nanoparticles for efficient colon cancer cell-targeted drug delivery. *European Journal of Pharmaceutical Sciences*, **2016**, 83, 28-35	5.1	109
53	Co-delivery of oxygen and erlotinib by aptamer-modified liposomal complexes to reverse hypoxia-induced drug resistance in lung cancer. *Biomaterials*, **2017**, 145, 56-71	15.6	91
52	Synthesis of 6-N,N,N-trimethyltriazole chitosan via "click chemistry" and evaluation for gene delivery. *Biomacromolecules*, **2009**, 10, 2175-82	6.9	62
51	Nitric oxide inhibits hetero-adhesion of cancer cells to endothelial cells: restraining circulating tumor cells from initiating metastatic cascade. *Scientific Reports*, **2014**, 4, 4344	4.9	58
50	Dendrimeric anticancer prodrugs for targeted delivery of ursolic acid to folate receptor-expressing cancer cells: synthesis and biological evaluation. *European Journal of Pharmaceutical Sciences*, **2015**, 70, 55-63	5.1	56
49	Chloroquine in combination with aptamer-modified nanocomplexes for tumor vessel normalization and efficient erlotinib/Survivin shRNA co-delivery to overcome drug resistance in EGFR-mutated non-small cell lung cancer. *Acta Biomaterialia*, **2018**, 76, 257-274	10.8	40
48	Drug enterohepatic circulation and disposition: constituents of systems pharmacokinetics. *Drug Discovery Today*, **2014**, 19, 326-40	8.8	39
47	Eliminating blood oncogenic exosomes into the small intestine with aptamer-functionalized nanoparticles. *Nature Communications*, **2019**, 10, 5476	17.4	39
46	Chitosan-based nanoparticles for improved anticancer efficacy and bioavailability of mifepristone. *Beilstein Journal of Nanotechnology*, **2016**, 7, 1861-1870	3	37
45	Enhanced Specificity in Capturing and Restraining Circulating Tumor Cells with Dual AntibodyDendrimer Conjugates. *Advanced Functional Materials*, **2015**, 25, 1304-1313	15.6	36
44	Nanoparticle-based drug delivery systems for controllable photodynamic cancer therapy. *European Journal of Pharmaceutical Sciences*, **2020**, 144, 105213	5.1	36
43	The Architecture and Function of Monoclonal Antibody-Functionalized Mesoporous Silica Nanoparticles Loaded with Mifepristone: Repurposing Abortifacient for Cancer Metastatic Chemoprevention. *Small*, **2016**, 12, 2595-608	11	32
42	Aspirin, lysine, mifepristone and doxycycline combined can effectively and safely prevent and treat cancer metastasis: prevent seeds from gemmating on soil. *Oncotarget*, **2015**, 6, 35157-72	3.3	32
41	Ex vivo and in vivo capture and deactivation of circulating tumor cells by dual-antibody-coated nanomaterials. *Journal of Controlled Release*, **2015**, 209, 159-69	11.7	30
40	Comparisons between Graphene Oxide and Graphdiyne Oxide in Physicochemistry Biology and Cytotoxicity. *ACS Applied Materials & Interfaces*, **2018**, 10, 32946-32954	9.5	30

39	Oxidative Rearrangement Coupling Reaction for the Functionalization of Tetrahydro-β-carbolines with Aromatic Amines. *Angewandte Chemie - International Edition*, **2017**, 56, 14968-14972	16.4	28
38	Recent developments of nanotherapeutics for targeted and long-acting, combination HIV chemotherapy. *European Journal of Pharmaceutics and Biopharmaceutics*, **2019**, 138, 75-91	5.7	28
37	Role of generation on folic acid-modified poly(amidoamine) dendrimers for targeted delivery of baicalin to cancer cells. *Materials Science and Engineering C*, **2017**, 75, 182-190	8.3	27
36	Aptamer-Conjugated Chitosan-Anchored Liposomal Complexes for Targeted Delivery of Erlotinib to EGFR-Mutated Lung Cancer Cells. *AAPS Journal*, **2017**, 19, 814-826	3.7	27
35	Biostable Aptamer Rings Conjugated for Targeting Two Biomarkers on Circulating Tumor Cells in Vivo with Great Precision. *Chemistry of Materials*, **2017**, 29, 10312-10325	9.6	26
34	Folate and Heptamethine Cyanine Modified Chitosan-Based Nanotheranostics for Tumor Targeted Near-Infrared Fluorescence Imaging and Photodynamic Therapy. *Biomacromolecules*, **2017**, 18, 2146-2160	6.9	25
33	A novel nanomissile targeting two biomarkers and accurately bombing CTCs with doxorubicin. *Nanoscale*, **2017**, 9, 5624-5640	7.7	22
32	Near-infrared/pH dual-responsive nanocomplexes for targeted imaging and chemo/gene/photothermal tri-therapies of non-small cell lung cancer. *Acta Biomaterialia*, **2020**, 107, 242-259	10.8	22
31	Biomimetic Oxidative Coupling Cyclization Enabling Rapid Construction of Isochromanoindolenines. *Organic Letters*, **2018**, 20, 5457-5460	6.2	22
30	Translation of combination nanodrugs into nanomedicines: lessons learned and future outlook. *Journal of Drug Targeting*, **2018**, 26, 435-447	5.4	21
29	Acetic Acid Accelerated Visible-Light Photoredox Catalyzed N-Demethylation of N,N-Dimethylaminophenyl Derivatives. *Advanced Synthesis and Catalysis*, **2017**, 359, 687-692	5.6	20
28	Dual-responsive nanosystem for precise molecular subtyping and resistant reversal of EGFR targeted therapy. *Chemical Engineering Journal*, **2019**, 372, 483-495	14.7	20
27	Erlotinib-Guided Self-Assembled Trifunctional Click Nanotheranostics for Distinguishing Druggable Mutations and Synergistic Therapy of Nonsmall Cell Lung Cancer. *Molecular Pharmaceutics*, **2018**, 15, 5146-5161	5.6	19
26	Synthesis and potent cytotoxic activity of a novel diosgenin derivative and its phytosomes against lung cancer cells. *Beilstein Journal of Nanotechnology*, **2019**, 10, 1933-1942	3	16
25	Self-assembled chitosan/rose bengal derivative nanoparticles for targeted sonodynamic therapy: preparation and tumor accumulation. *RSC Advances*, **2015**, 5, 17915-17923	3.7	15
24	Indocyanine green-encapsulated erlotinib modified chitosan nanoparticles for targeted chemo-photodynamic therapy of lung cancer cells. *Dyes and Pigments*, **2019**, 170, 107588	4.6	14
23	Discovery of novel mifepristone derivatives via suppressing KLF5 expression for the treatment of triple-negative breast cancer. *European Journal of Medicinal Chemistry*, **2018**, 146, 354-367	6.8	14
22	In vivo inhibition of circulating tumor cells by two apoptosis-promoting circular aptamers with enhanced specificity. *Journal of Controlled Release*, **2018**, 280, 99-112	11.7	14

21	A hematoporphyrin and indocyanine green co-delivery system with NIR triggered-controllable photoactivities for photodynamic therapy. *Dyes and Pigments*, **2018**, 154, 8-20	4.6	13
20	Catalytic Oxidative Coupling Cyclization for Construction of Benzofuroindolenines under Mild Reaction Conditions. *Advanced Synthesis and Catalysis*, **2019**, 361, 432-435	5.6	13
19	S-Nitrosocaptopril prevents cancer metastasis in vivo by creating the hostile bloodstream microenvironment against circulating tumor cells. *Pharmacological Research*, **2019**, 139, 535-549	10.2	10
18	Manipulation of Water for Diversified Functionalization of Tetrahydro-□carbolines (THC□s) with Indoles. *Organic Letters*, **2019**, 21, 6160-6163	6.2	9
17	Recent progress in sono-photodynamic cancer therapy: From developed new sensitizers to nanotechnology-based efficacy-enhancing strategies. *Acta Pharmaceutica Sinica B*, **2021**, 11, 2197-2219	15.5	9
16	Hypoxia/pH dual-responsive nitroimidazole-modified chitosan/rose bengal derivative nanoparticles for enhanced photodynamic anticancer therapy. *Dyes and Pigments*, **2020**, 179, 108395	4.6	8
15	Oxidation of Tetrahydro-□carbolines by Persulfate. *Organic Letters*, **2019**, 21, 7475-7477	6.2	6
14	Diverse Functionalization of Tetrahydro-□carbolines or Tetrahydro-□carbolines via Oxidative Coupling Rearrangement. *Journal of Organic Chemistry*, **2021**, 86, 794-812	4.2	6
13	An intelligent hypoxia-relieving chitosan-based nanoplatform for enhanced targeted chemo-sonodynamic combination therapy on lung cancer. *Carbohydrate Polymers*, **2021**, 274, 118655	10.3	6
12	Stabilization of Transient 3-Chloroindolenines Enables Diverse Functionalization. *Organic Letters*, **2019**, 21, 8884-8887	6.2	5
11	Construction of Bisindolines via Oxidative Coupling Cyclization. *Organic Letters*, **2020**, 22, 116-119	6.2	5
10	Co-delivery of gefitinib and hematoporphyrin by aptamer-modified fluorinated dendrimer for hypoxia alleviation and enhanced synergistic chemo-photodynamic therapy of NSCLC. *European Journal of Pharmaceutical Sciences*, **2021**, 167, 106004	5.1	4
9	A nanosensitizer self-assembled from oleanolic acid and chlorin e6 for synergistic chemo/sono-photodynamic cancer therapy. *Phytomedicine*, **2021**, 93, 153788	6.5	3
8	Construction and biological evaluation of different self-assembled nanoarchitectures of FZU-03,010. *European Journal of Pharmaceutical Sciences*, **2018**, 121, 382-391	5.1	2
7	Facile access to evodiakine enabled by aerobic copper-catalyzed oxidative rearrangement. *Organic and Biomolecular Chemistry*, **2019**, 17, 8811-8815	3.9	2
6	Convenient Tuning of the Elasticity of Self-Assembled Nano-Sized Triterpenoids to Regulate Their Biological Activities. *ACS Applied Materials & Interfaces*, **2021**, 13, 44065-44078	9.5	2
5	Tri-component programmable nanoregulator with Three-pronged penetration boosts immunotherapy of Triple-Negative breast cancer. *Chemical Engineering Journal*, **2022**, 439, 135712	14.7	2
4	A Direct Approach to 3-Azo-Substituted 2-Oxindoles at Room Temperature by Nickel-Catalyzed Oxidative Coupling Reaction. *Asian Journal of Organic Chemistry*, **2019**, 8, 475-478	3	1

3	Isochromanoindolenines suppress triple-negative breast cancer cell proliferation partially via inhibiting Akt activation. *International Journal of Biological Sciences*, **2021**, 17, 986-994	11.2	1
2	Cu-Catalyzed Aerobic Oxidative Coupling of Tetrahydro-β-carbolines with Indoles. *ChemistrySelect*, **2021**, 6, 6272-6274	1.8	0
1	Direct C–H functionalization of tetrahydro-β-carbolines at the α-position. *New Journal of Chemistry*,	3.6	