Duxin Sun

List of Publications by Year in Descending Order

98 papers	3,636 citations	31 h-index	58 g-index
106 ext. papers	4,916 ext. citations	7.6 avg, IF	5.65 L-index

#	Paper	IF	Citations
98	Discovery and Lead Optimization of Benzene-1,4-disulfonamides as Oxidative Phosphorylation Inhibitors.. *Journal of Medicinal Chemistry*, **2022**,	8.3	3
97	Why 90% of clinical drug development fails and how to improve it?. *Acta Pharmaceutica Sinica B*, **2022**,	15.5	28
96	Induction of glutathione biosynthesis by glycine-based treatment mitigates atherosclerosis.. *Redox Biology*, **2022**, 52, 102313	11.3	1
95	Albumin nanoparticle containing a PI3K□inhibitor and paclitaxel in combination with □PD1 induces tumor remission of breast cancer in mice.. *Science Translational Medicine*, **2022**, 14, eabl3649	17.5	3
94	Phospholipid nanoparticles: Therapeutic potentials against atherosclerosis via reducing cholesterol crystals and inhibiting inflammation. *EBioMedicine*, **2021**, 74, 103725	8.8	2
93	Discovery of EEDi-5273 as an Exceptionally Potent and Orally Efficacious EED Inhibitor Capable of Achieving Complete and Persistent Tumor Regression. *Journal of Medicinal Chemistry*, **2021**, 64, 14540-14556	8.3	7
92	Discovery of first-in-class inhibitors of ASH1L histone methyltransferase with anti-leukemic activity. *Nature Communications*, **2021**, 12, 2792	17.4	4
91	SD-91 as A Potent and Selective STAT3 Degrader Capable of Achieving Complete and Long-Lasting Tumor Regression. *ACS Medicinal Chemistry Letters*, **2021**, 12, 996-1004	4.3	3
90	Ontological modeling and analysis of experimentally or clinically verified drugs against coronavirus infection. *Scientific Data*, **2021**, 8, 16	8.2	10
89	Antineutrophil properties of natural gingerols in models of lupus. *JCI Insight*, **2021**, 6,	9.9	5
88	Reverse Microbiomics: A New Reverse Dysbiosis Analysis Strategy and Its Usage in Prediction of Autoantigens and Virulent Factors in Dysbiotic Gut Microbiomes From Rheumatoid Arthritis Patients. *Frontiers in Microbiology*, **2021**, 12, 633732	5.7	3
87	Development of 2,5-dihydro-4H-pyrazolo[3,4-d]pyrimidin-4-one inhibitors of aldehyde dehydrogenase 1A (ALDH1A) as potential adjuncts to ovarian cancer chemotherapy. *European Journal of Medicinal Chemistry*, **2021**, 211, 113060	6.8	1
86	Dysregulated oxalate metabolism is a driver and therapeutic target in atherosclerosis. *Cell Reports*, **2021**, 36, 109420	10.6	1
85	Tumor-derived exosomes: Nanovesicles made by cancer cells to promote cancer metastasis. *Acta Pharmaceutica Sinica B*, **2021**, 11, 2136-2149	15.5	9
84	Strategies toward Discovery of Potent and Orally Bioavailable Proteolysis Targeting Chimera Degraders of Androgen Receptor for the Treatment of Prostate Cancer. *Journal of Medicinal Chemistry*, **2021**, 64, 12831-12854	8.3	14
83	Reappraisal of anticancer nanomedicine design criteria in three types of preclinical cancer models for better clinical translation. *Biomaterials*, **2021**, 275, 120910	15.6	14
82	Discovery of ARD-2585 as an Exceptionally Potent and Orally Active PROTAC Degrader of Androgen Receptor for the Treatment of Advanced Prostate Cancer. *Journal of Medicinal Chemistry* , **2021**, 64, 13487-13509	8.3	12

81	Remdesivir for Treatment of COVID-19: Combination of Pulmonary and IV Administration May Offer Aditional Benefit. *AAPS Journal*, **2020**, 22, 77	3.7	59
80	EEDi-5285: An Exceptionally Potent, Efficacious, and Orally Active Small-Molecule Inhibitor of Embryonic Ectoderm Development. *Journal of Medicinal Chemistry*, **2020**, 63, 7252-7267	8.3	14
79	Albumin Nanoparticle of Paclitaxel (Abraxane) Decreases while Taxol Increases Breast Cancer Stem Cells in Treatment of Triple Negative Breast Cancer. *Molecular Pharmaceutics*, **2020**, 17, 2275-2286	5.6	18
78	Combined p53- and PTEN-deficiency activates expression of mesenchyme homeobox 1 (MEOX1) required for growth of triple-negative breast cancer. *Journal of Biological Chemistry*, **2020**, 295, 12188-12202	5.4	6
77	Pharmacokinetic Disposition Difference Between Cyclosporine and Voclosporin Drives Their Distinct Efficacy and Safety Profiles in Clinical Studies. *Clinical Pharmacology: Advances and Applications*, **2020**, 12, 83-96	1.5	5
76	Menin inhibitor MI-3454 induces remission in MLL1-rearranged and NPM1-mutated models of leukemia. *Journal of Clinical Investigation*, **2020**, 130, 981-997	15.9	72
75	Microbial Metabolite Signaling Is Required for Systemic Iron Homeostasis. *Cell Metabolism*, **2020**, 31, 115-130.e6	24.6	64
74	Depleting tumor-associated Tregs via nanoparticle-mediated hyperthermia to enhance anti-CTLA-4 immunotherapy. *Nanomedicine*, **2020**, 15, 77-92	5.6	18
73	What Went Wrong with Anticancer Nanomedicine Design and How to Make It Right. *ACS Nano*, **2020**, 14, 12281-12290	16.7	61
72	Glycine-based treatment ameliorates NAFLD by modulating fatty acid oxidation, glutathione synthesis, and the gut microbiome. *Science Translational Medicine*, **2020**, 12,	17.5	32
71	Discovery of CJ-2360 as a Potent and Orally Active Inhibitor of Anaplastic Lymphoma Kinase Capable of Achieving Complete Tumor Regression. *Journal of Medicinal Chemistry*, **2020**, 63, 13994-14016	8.3	7
70	Optimization of Eliglustat-Based Glucosylceramide Synthase Inhibitors as Substrate Reduction Therapy for Gaucher Disease Type 3. *ACS Chemical Neuroscience*, **2020**, 11, 3464-3473	5.7	6
69	A Novel Redox Modulator Induces a GPX4-Mediated Cell Death That Is Dependent on Iron and Reactive Oxygen Species. *Journal of Medicinal Chemistry*, **2020**, 63, 9838-9855	8.3	15
68	Application of an innovative high-throughput liquid chromatography-tandem mass spectrometry method for simultaneous analysis of 18 hazardous drugs to rule out accidental acute chemotherapy exposures in health care workers. *Journal of Oncology Pharmacy Practice*, **2020**, 26, 794-802	1.7	5
67	Propagation Characteristics of Fasting Duodeno-Jejunal Contractions in Healthy Controls Measured by Clustered Closely-spaced Manometric Sensors. *Journal of Neurogastroenterology and Motility*, **2019**, 25, 100-112	4.4	5
66	Self-Assembled Au@Fe Core/Satellite Magnetic Nanoparticles for Versatile Biomolecule Functionalization. *ACS Applied Materials & Interfaces*, **2019**, 11, 23858-23869	9.5	6
65	Neonatal Fc Receptor (FcRn) Enhances Tissue Distribution and Prevents Excretion of nab-Paclitaxel. *Molecular Pharmaceutics*, **2019**, 16, 2385-2393	5.6	6
64	Spatial and Temporal Analysis of the Stomach and Small-Intestinal Microbiota in Fasted Healthy Humans. *MSphere*, **2019**, 4,	5	28

63	Saikosaponin A Inhibits Triple-Negative Breast Cancer Growth and Metastasis Through Downregulation of CXCR4. *Frontiers in Oncology*, **2019**, 9, 1487	5.3	21
62	A Potent and Selective Small-Molecule Degrader of STAT3 Achieves Complete Tumor Regression In Vivo. *Cancer Cell*, **2019**, 36, 498-511.e17	24.3	181
61	Mechanistic Deconvolution of Oral Absorption Model with Dynamic Gastrointestinal Fluid to Predict Regional Rate and Extent of GI Drug Dissolution. *AAPS Journal*, **2019**, 22, 3	3.7	3
60	Structure-Based Discovery of SD-36 as a Potent, Selective, and Efficacious PROTAC Degrader of STAT3 Protein. *Journal of Medicinal Chemistry*, **2019**, 62, 11280-11300	8.3	75
59	Smart Nanoparticles Undergo Phase Transition for Enhanced Cellular Uptake and Subsequent Intracellular Drug Release in a Tumor Microenvironment. *ACS Applied Materials & Interfaces*, **2018**, 10, 278-289	9.5	20
58	Safety and Tolerability of Intravenous Valproic Acid in Healthy Subjects: A Phase I Dose-Escalation Trial. *Clinical Pharmacokinetics*, **2018**, 57, 209-219	6.2	36
57	Discovery of a Small-Molecule Degrader of Bromodomain and Extra-Terminal (BET) Proteins with Picomolar Cellular Potencies and Capable of Achieving Tumor Regression. *Journal of Medicinal Chemistry*, **2018**, 61, 462-481	8.3	197
56	Physiologically based pharmacokinetic modeling of disposition and drug-drug interactions for valproic acid and divalproex. *European Journal of Pharmaceutical Sciences*, **2018**, 111, 465-481	5.1	11
55	Discovery of QCA570 as an Exceptionally Potent and Efficacious Proteolysis Targeting Chimera (PROTAC) Degrader of the Bromodomain and Extra-Terminal (BET) Proteins Capable of Inducing Complete and Durable Tumor Regression. *Journal of Medicinal Chemistry*, **2018**, 61, 6685-6704	8.3	133
54	Complexity of Blocking Bivalent Protein-Protein Interactions: Development of a Highly Potent Inhibitor of the Menin-Mixed-Lineage Leukemia Interaction. *Journal of Medicinal Chemistry*, **2018**, 61, 4832-4850	8.3	36
53	Linking the Gastrointestinal Behavior of Ibuprofen with the Systemic Exposure between and within Humans-Part 2: Fed State. *Molecular Pharmaceutics*, **2018**, 15, 5468-5478	5.6	10
52	Species difference in paclitaxel disposition correlated with poor pharmacological efficacy translation from mice to humans. *Clinical Pharmacology: Advances and Applications*, **2018**, 10, 165-174	1.5	1
51	Doxycycline targets aldehyde dehydrogenase-positive breast cancer stem cells. *Oncology Reports*, **2018**, 39, 3041-3047	3.5	10
50	Linking the Gastrointestinal Behavior of Ibuprofen with the Systemic Exposure between and within Humans-Part 1: Fasted State Conditions. *Molecular Pharmaceutics*, **2018**, 15, 5454-5467	5.6	18
49	Structure-Based Optimization of a Novel Class of Aldehyde Dehydrogenase 1A (ALDH1A) Subfamily-Selective Inhibitors as Potential Adjuncts to Ovarian Cancer Chemotherapy. *Journal of Medicinal Chemistry*, **2018**, 61, 8754-8773	8.3	29
48	Trimodal Therapy: A Tumor Vascular-Targeted Interlocking Trimodal Nanosystem That Induces and Exploits Hypoxia (Adv. Sci. 8/2018). *Advanced Science*, **2018**, 5, 1870048	13.6	1
47	Different Nanoformulations Alter the Tissue Distribution of Paclitaxel, Which Aligns with Reported Distinct Efficacy and Safety Profiles. *Molecular Pharmaceutics*, **2018**, 15, 4505-4516	5.6	10
46	In Vivo Predictive Dissolution and Simulation Workshop Report: Facilitating the Development of Oral Drug Formulation and the Prediction of Oral Bioperformance. *AAPS Journal*, **2018**, 20, 100	3.7	7

45	Targeting LRP8 inhibits breast cancer stem cells in triple-negative breast cancer. *Cancer Letters*, **2018**, 438, 165-173	9.9	16
44	Gastric emptying and intestinal appearance of nonabsorbable drugs phenol red and paromomycin in human subjects: A multi-compartment stomach approach. *European Journal of Pharmaceutics and Biopharmaceutics*, **2018**, 129, 162-174	5.7	18
43	Formulation predictive dissolution (fPD) testing to advance oral drug product development: An introduction to the US FDA funded P21st Century BA/BEPproject. *International Journal of Pharmaceutics*, **2018**, 548, 120-127	6.5	27
42	Distinct biodistribution of doxorubicin and the altered dispositions mediated by different liposomal formulations. *International Journal of Pharmaceutics*, **2017**, 519, 1-10	6.5	32
41	Litchi seed extracts diminish prostate cancer progression via induction of apoptosis and attenuation of EMT through Akt/GSK-3□signaling. *Scientific Reports*, **2017**, 7, 41656	4.9	35
40	Targeted Degradation of BET Proteins in Triple-Negative Breast Cancer. *Cancer Research*, **2017**, 77, 2476-2487	12.6	115
39	Pharmacokinetic optimitzation of CCG-203971: Novel inhibitors of the Rho/MRTF/SRF transcriptional pathway as potential antifibrotic therapeutics for systemic scleroderma. *Bioorganic and Medicinal Chemistry Letters*, **2017**, 27, 1744-1749	2.9	26
38	The impact of supersaturation level for oral absorption of BCS class IIb drugs, dipyridamole and ketoconazole, using in vivo predictive dissolution system: Gastrointestinal Simulator (GIS). *European Journal of Pharmaceutical Sciences*, **2017**, 102, 126-139	5.1	33
37	Sulforaphane enhances the anticancer activity of taxanes against triple negative breast cancer by killing cancer stem cells. *Cancer Letters*, **2017**, 394, 52-64	9.9	75
36	Engineering exosomes as refined biological nanoplatforms for drug delivery. *Acta Pharmacologica Sinica*, **2017**, 38, 754-763	8	467
35	Structure-Based Discovery of 4-(6-Methoxy-2-methyl-4-(quinolin-4-yl)-9H-pyrimido[4,5-b]indol-7-yl)-3,5-dimethylisoxazole (CD161) as a Potent and Orally Bioavailable BET Bromodomain Inhibitor. *Journal of Medicinal Chemistry*, **2017**, 60, 3887-3901	8.3	23
34	Discovery of a Highly Potent, Cell-Permeable Macrocyclic Peptidomimetic (MM-589) Targeting the WD Repeat Domain 5 Protein (WDR5)-Mixed Lineage Leukemia (MLL) Protein-Protein Interaction. *Journal of Medicinal Chemistry*, **2017**, 60, 4818-4839	8.3	49
33	Discovery of 4-((3R,4S,5R)-6?-Chloro-4P(3-chloro-2-fluorophenyl)-1Pethyl-2?-oxodispiro[cyclohexane-1,2Ppyrrolidine-3P3?-indoline]-5 Acid (AA-115/APG-115): A Potent and Orally Active Murine Double Minute 2 (MDM2) Inhibitor in Clinical Development. *Journal of Medicinal Chemistry*, **2017**, 60, 2819-2839	8.3	95
32	Measurement of in vivo Gastrointestinal Release and Dissolution of Three Locally Acting Mesalamine Formulations in Regions of the Human Gastrointestinal Tract. *Molecular Pharmaceutics*, **2017**, 14, 345-358	5.6	30
31	In Vivo Dissolution and Systemic Absorption of Immediate Release Ibuprofen in Human Gastrointestinal Tract under Fed and Fasted Conditions. *Molecular Pharmaceutics*, **2017**, 14, 4295-4304	5.6	36
30	Metabolomics revealed the toxicity of cationic liposomes in HepG2 cells using UHPLC-Q-TOF/MS and multivariate data analysis. *Biomedical Chromatography*, **2017**, 31, e4036	1.7	6
29	Low Buffer Capacity and Alternating Motility along the Human Gastrointestinal Tract: Implications for in Vivo Dissolution and Absorption of Ionizable Drugs. *Molecular Pharmaceutics*, **2017**, 14, 4281-4294	5.6	66
28	Mechanistic Fluid Transport Model to Estimate Gastrointestinal Fluid Volume and Its Dynamic Change Over Time. *AAPS Journal*, **2017**, 19, 1682-1690	3.7	14

27	Pharmacokinetics and Pharmacogenomics of Bupropion in Three Different Formulations with Different Release Kinetics in Healthy Human Volunteers. *AAPS Journal*, **2017**, 19, 1513-1522	3.7	14
26	Bringing Curcumin to the Clinic in Cancer Prevention: a Review of Strategies to Enhance Bioavailability and Efficacy. *AAPS Journal*, **2017**, 19, 54-81	3.7	53
25	Pharmacokinetic Profiles of Nalbuphine after Intraperitoneal and Subcutaneous Administration to C57BL/6 Mice. *Journal of the American Association for Laboratory Animal Science*, **2017**, 56, 534-538	1.3	1
24	Significant Improvement of Antithrombotic Responses to Clopidogrel by Use of a Novel Conjugate as Revealed in an Arterial Model of Thrombosis. *Journal of Pharmacology and Experimental Therapeutics*, **2016**, 359, 11-7	4.7	8
23	Elimination of epithelial-like and mesenchymal-like breast cancer stem cells to inhibit metastasis following nanoparticle-mediated photothermal therapy. *Biomaterials*, **2016**, 104, 145-57	15.6	31
22	Sequential co-delivery of miR-21 inhibitor followed by burst release doxorubicin using NIR-responsive hollow gold nanoparticle to enhance anticancer efficacy. *Journal of Controlled Release*, **2016**, 228, 74-86	11.7	61
21	Property Focused Structure-Based Optimization of Small Molecule Inhibitors of the Protein-Protein Interaction between Menin and Mixed Lineage Leukemia (MLL). *Journal of Medicinal Chemistry*, **2016**, 59, 892-913	8.3	47
20	Novel cancer stem cell targets during epithelial to mesenchymal transition in PTEN-deficient trastuzumab-resistant breast cancer. *Oncotarget*, **2016**, 7, 51408-51422	3.3	32
19	A dual brain-targeting curcumin-loaded polymersomes ameliorated cognitive dysfunction in intrahippocampal amyloid-1-42-injected mice. *International Journal of Nanomedicine*, **2016**, 11, 3765-75	7.3	27
18	Integrin-linked kinase as a novel molecular switch of the IL-6-NF-B signaling loop in breast cancer. *Carcinogenesis*, **2016**, 37, 430-442	4.6	16
17	Anti-infective Activity of 2-Cyano-3-Acrylamide Inhibitors with Improved Drug-Like Properties against Two Intracellular Pathogens. *Antimicrobial Agents and Chemotherapy*, **2016**, 60, 4183-96	5.9	7
16	Unbiased screen identifies aripiprazole as a modulator of abundance of the polyglutamine disease protein, ataxin-3. *Brain*, **2016**, 139, 2891-2908	11.2	24
15	Pharmacologic inhibition of the Menin-MLL interaction blocks progression of MLL leukemia in vivo. *Cancer Cell*, **2015**, 27, 589-602	24.3	212
14	Facile Fabrication of Near-Infrared-Resonant and Magnetic Resonance Imaging-Capable Nanomediators for Photothermal Therapy. *ACS Applied Materials & Interfaces*, **2015**, 7, 12814-23	9.5	11
13	Function of Integrin-Linked Kinase in Modulating the Stemness of IL-6-Abundant Breast Cancer Cells by Regulating Secretase-Mediated Notch1 Activation in Caveolae. *Neoplasia*, **2015**, 17, 497-508	6.4	33
12	A polymeric prodrug of cisplatin based on pullulan for the targeted therapy against hepatocellular carcinoma. *International Journal of Pharmaceutics*, **2015**, 483, 89-100	6.5	30
11	Thiol-reactive amphiphilic block copolymer for coating gold nanoparticles with neutral and functionable surfaces. *Polymer Chemistry*, **2014**, 5, 2768-2773	4.9	14
10	Iron oxide nanoparticle-based theranostics for cancer imaging and therapy. *Frontiers of Chemical Science and Engineering*, **2014**, 8, 253-264	4.5	33

List of Publications

9	Stability of i.v. admixture containing metoclopramide, diphenhydramine hydrochloride, and dexamethasone sodium phosphate in 0.9% sodium chloride injection. *American Journal of Health-System Pharmacy*, **2014**, 71, 2061-5	2.2	1
8	Evaluation of STAT3 signaling in ALDH+ and ALDH+/CD44+/CD24- subpopulations of breast cancer cells. *PLoS ONE*, **2013**, 8, e82821	3.7	51
7	Intracellular dissociation of a polymer coating from nanoparticles. *Nano Research*, **2012**, 5, 815-825	10	20
6	Radioimmunoguided surgery (RIGS), PET/CT image-guided surgery, and fluorescence image-guided surgery: past, present, and future. *Journal of Surgical Oncology*, **2007**, 96, 297-308	2.8	31
5	Uncommon Sugars and Their Conjugates to Natural Products. *ACS Symposium Series*, **2007**, 15-33	0.4	1
4	In vitro testing of drug absorption for drug RdevelopabilityPassessment: forming an interface between in vitro preclinical data and clinical outcome. *Current Opinion in Drug Discovery & Development*, **2004**, 7, 75-85		37
3	Transporters in the GI Tract. *Methods and Principles in Medicinal Chemistry*, **2003**, 243-287	0.4	3
2	Comparison of human duodenum and Caco-2 gene expression profiles for 12,000 gene sequences tags and correlation with permeability of 26 drugs. *Pharmaceutical Research*, **2002**, 19, 1400-16	4.5	305
1	Drug inhibition of Gly-Sar uptake and hPepT1 localization using hPepT1-GFP fusion protein. *AAPS PharmSci*, **2001**, 3, E2		16