Cai Yuan

List of Publications by Citations

54 papers	990 citations	17 h-index	30 g-index
62 ext. papers	1,201 ext. citations	6.2 avg, IF	4.06 L-index

#	Paper	IF	Citations
54	Structure of human urokinase plasminogen activator in complex with its receptor. *Science*, **2006**, 311, 656-9	33.3	242
53	Quercetin-3-rutinoside Inhibits Protein Disulfide Isomerase by Binding to Its bW Domain. *Journal of Biological Chemistry*, **2015**, 290, 23543-52	5.4	57
52	Be Active or Not: the Relative Contribution of Active and Passive Tumor Targeting of Nanomaterials. *Nanotheranostics*, **2017**, 1, 346-357	5.6	56
51	A novel tumor targeting drug carrier for optical imaging and therapy. *Theranostics*, **2014**, 4, 642-59	12.1	54
50	Structural basis of specificity of a peptidyl urokinase inhibitor, upain-1. *Journal of Structural Biology*, **2007**, 160, 1-10	3.4	45
49	Structure of catalytic domain of Matriptase in complex with Sunflower trypsin inhibitor-1. *BMC Structural Biology*, **2011**, 11, 30	2.7	44
48	Re-engineering the Immune Response to Metastatic Cancer: Antibody-Recruiting Small Molecules Targeting the Urokinase Receptor. *Angewandte Chemie - International Edition*, **2016**, 55, 3642-6	16.4	43
47	Crystal structure of the urokinase receptor in a ligand-free form. *Journal of Molecular Biology*, **2012**, 416, 629-41	6.5	41
46	Crystal Structure of the Michaelis Complex between Tissue-type Plasminogen Activator and Plasminogen Activators Inhibitor-1. *Journal of Biological Chemistry*, **2015**, 290, 25795-804	5.4	28
45	Crystal structures of matriptase in complex with its inhibitor hepatocyte growth factor activator inhibitor-1. *Journal of Biological Chemistry*, **2013**, 288, 11155-64	5.4	28
44	A structural mechanism of flavonoids in inhibiting serine proteases. *Food and Function*, **2017**, 8, 2437-2443	3.1	27
43	Stabilizing a flexible interdomain hinge region harboring the SMB binding site drives uPAR into its closed conformation. *Journal of Molecular Biology*, **2015**, 427, 1389-1403	6.5	22
42	A long-acting PAI-1 inhibitor reduces thrombus formation. *Thrombosis and Haemostasis*, **2017**, 117, 1338-1347	7	20
41	Rezymogenation of active urokinase induced by an inhibitory antibody. *Biochemical Journal*, **2013**, 449, 161-6	3.8	20
40	A specific plasminogen activator inhibitor-1 antagonist derived from inactivated urokinase. *Journal of Cellular and Molecular Medicine*, **2016**, 20, 1851-60	5.6	20
39	Nanoparticle Binding to Urokinase Receptor on Cancer Cell Surface Triggers Nanoparticle Disintegration and Cargo Release. *Theranostics*, **2019**, 9, 884-899	12.1	17
38	Dissociation of zinc phthalocyanine aggregation on bacterial surface is key for photodynamic antimicrobial effect. *Journal of Porphyrins and Phthalocyanines*, **2018**, 22, 925-934	1.8	17

37	Re-engineering the Immune Response to Metastatic Cancer: Antibody-Recruiting Small Molecules Targeting the Urokinase Receptor. *Angewandte Chemie*, **2016**, 128, 3706-3710	3.6	15
36	Serum Levels of Soluble Platelet Endothelial Cell Adhesion Molecule 1 in COVID-19 Patients Are Associated With Disease Severity. *Journal of Infectious Diseases*, **2021**, 223, 178-179	7	13
35	A drug carrier targeting murine uPAR for photodynamic therapy and tumor imaging. *Acta Biomaterialia*, **2015**, 23, 116-126	10.8	12
34	Development of inhibitors for uPAR: blocking the interaction of uPAR with its partners. *Drug Discovery Today*, **2021**, 26, 1076-1085	8.8	12
33	Specifically targeting cancer proliferation and metastasis processes: the development of matriptase inhibitors. *Cancer and Metastasis Reviews*, **2019**, 38, 507-524	9.6	11
32	Protein expression and preliminary crystallographic analysis of amino-terminal fragment of urokinase-type plasminogen activator. *Protein Expression and Purification*, **2006**, 49, 71-7	2	11
31	Structural basis of sequence-specific Holliday junction cleavage by MOC1. *Nature Chemical Biology*, **2019**, 15, 1241-1248	11.7	10
30	Crystal structures of the ligand-binding region of uPARAP: effect of calcium ion binding. *Biochemical Journal*, **2016**, 473, 2359-68	3.8	10
29	Mapping the topographic epitope landscape on the urokinase plasminogen activator receptor (uPAR) by surface plasmon resonance and X-ray crystallography. *Data in Brief*, **2015**, 5, 107-13	1.2	9
28	A novel purification procedure for recombinant human serum albumin expressed in Pichia pastoris. *Protein Expression and Purification*, **2018**, 149, 37-42	2	8
27	Dimer conformation of soluble PECAM-1, an endothelial marker. *International Journal of Biochemistry and Cell Biology*, **2016**, 77, 102-108	5.6	8
26	Plasma levels of the active form of suPAR are associated with COVID-19 severity. *Critical Care*, **2020** , 24, 704	10.8	8
25	The crystal structure of a multidomain protease inhibitor (HAI-1) reveals the mechanism of its auto-inhibition. *Journal of Biological Chemistry*, **2017**, 292, 8412-8423	5.4	7
24	Halogen bonding for the design of inhibitors by targeting the S1 pocket of serine proteases.. *RSC Advances*, **2018**, 8, 28189-28197	3.7	7
23	A novel ELISA for the detection of active form of plasminogen activator inhibitor-1 based on a highly specific trapping agent. *Analytica Chimica Acta*, **2019**, 1053, 98-104	6.6	6
22	Molecular basis of rutin inhibition of protein disulfide isomerase (PDI) by combined and experimental methods.. *RSC Advances*, **2018**, 8, 18480-18491	3.7	6
21	Enhanced Antitumor Efficacy and Imaging Application of Photosensitizer-Formulated Paclitaxel. *ACS Applied Materials & Interfaces*, **2020**, 12, 4221-4230	9.5	6
20	An ELISA method detecting the active form of suPAR. *Talanta*, **2016**, 160, 205-210	6.2	6

19	A general strategy to inhibit serine protease by targeting its autolysis loop. *FASEB Journal*, **2021**, 35, e21259	0.9	6
18	Improved therapeutic efficacy of quercetin-loaded polymeric nanoparticles on triple-negative breast cancer by inhibiting uPA.. *RSC Advances*, **2020**, 10, 34517-34526	3.7	5
17	Crystal structure of the unoccupied murine urokinase-type plasminogen activator receptor (uPAR) reveals a tightly packed DII-DIII unit. *FEBS Letters*, **2019**, 593, 1236-1247	3.8	4
16	Inhibition of the Citrus Canker Pathogen Using a Photosensitizer Assisted by Sunlight Irradiation. *Frontiers in Microbiology*, **2020**, 11, 571691	5.7	4
15	Crystal Structures of Human C4.4A Reveal the Unique Association of Ly6/uPAR/Neurotoxin Domain. *International Journal of Biological Sciences*, **2020**, 16, 981-993	11.2	3
14	Structural basis of specific inhibition of tissue-type plasminogen activator by plasminogen activators inhibitor-1. *Data in Brief*, **2016**, 6, 550-5	1.2	2
13	Solution Structure of SpoIVB Reveals Mechanism of PDZ Domain-Regulated Protease Activity. *Frontiers in Microbiology*, **2019**, 10, 1232	5.7	2
12	Expression and crystallographic studies of the ligand-binding region of the human endocytic collagen receptor uPARAP. *Acta Crystallographica Section F, Structural Biology Communications*, **2015**, 71, 1442-7	1.1	2
11	tPA Point Mutation at Autolysis Loop Enhances Resistance to PAI-1 Inhibition and Catalytic Activity. *Thrombosis and Haemostasis*, **2019**, 119, 77-86	7	2
10	Potent inhibition of Severe Acute Respiratory Syndrome Coronavirus 2 by photosensitizers compounds. *Dyes and Pigments*, **2021**, 194, 109570	4.6	2
9	Crystal structure and cellular functions of uPAR dimer.. *Nature Communications*, **2022**, 13, 1665	17.4	2
8	Recombinant hepatocyte growth factor activator inhibitor 1: expression in Drosophila S2 cells, purification and crystallization. *Acta Crystallographica Section F, Structural Biology Communications*, **2017**, 73, 45-50	1.1	1
7	Expression and crystallographic studies of the D1D2 domains of C4.4A, a homologous protein to the urokinase receptor. *Acta Crystallographica Section F, Structural Biology Communications*, **2017**, 73, 486-490	1.1	1
6	Vascular thiol isomerases: Structures, regulatory mechanisms, and inhibitor development. *Drug Discovery Today*, **2021**, 27, 626-626	8.8	1
5	A supramolecular nanocarrier for efficient cancer imaging and therapy by targeting at matriptase. *Journal of Controlled Release*, **2021**, 334, 153-163	11.7	1
4	Development of a Potent Antimicrobial Peptide With Photodynamic Activity. *Frontiers in Microbiology*, **2021**, 12, 624465	5.7	1
3	A Clot-Homing Near-Infrared Probe for In Vivo Imaging of Murine Thromboembolic Models.. *Advanced Healthcare Materials*, **2022**, e2102213	10.1	0
2	A versatile insertion point on albumin to accommodate peptides and maintain their activities.. *International Journal of Biological Macromolecules*, **2022**, 205, 49-49	7.9	0

1	Structural determination of group A Streptococcal surface dehydrogenase and characterization of its interaction with urokinase-type plasminogen activator receptor. *Biochemical and Biophysical Research Communications*, **2019**, 510, 539-544	3.4