Florence Pojer

List of Publications by Year in Descending Order

45 papers	3,082 citations	26 h-index	48 g-index
48 ext. papers	3,735 ext. citations	12 avg, IF	4.68 L-index

#	Paper	IF	Citations
45	Changes in SARS-CoV-2 Spike versus Nucleoprotein Antibody Responses Impact the Estimates of Infections in Population-Based Seroprevalence Studies. *Journal of Virology*, **2021**, 95,	6.6	86
44	Azole-Based Indoleamine 2,3-Dioxygenase 1 (IDO1) Inhibitors. *Journal of Medicinal Chemistry*, **2021**, 64, 2205-2227	8.3	4
43	Palmitoylated acyl protein thioesterase APT2 deforms membranes to extract substrate acyl chains. *Nature Chemical Biology*, **2021**, 17, 438-447	11.7	9
42	A high-throughput cell- and virus-free assay shows reduced neutralization of SARS-CoV-2 variants by COVID-19 convalescent plasma. *Science Translational Medicine*, **2021**, 13,	17.5	15
41	A highly potent antibody effective against SARS-CoV-2 variants of concern. *Cell Reports*, **2021**, 37, 109814	10.6	9
40	De novo development of proteolytically resistant therapeutic peptides for oral administration. *Nature Biomedical Engineering*, **2020**, 4, 560-571	19	39
39	Btk SH2-kinase interface is critical for allosteric kinase activation and its targeting inhibits B-cell neoplasms. *Nature Communications*, **2020**, 11, 2319	17.4	12
38	High resolution CryoEM structure of the ring-shaped virulence factor EspB from. *Journal of Structural Biology: X*, **2020**, 4, 100029	2.9	6
37	Selective inhibition of STAT3 signaling using monobodies targeting the coiled-coil and N-terminal domains. *Nature Communications*, **2020**, 11, 4115	17.4	16
36	Inhibition Mechanisms of Indoleamine 2,3-Dioxygenase 1 (IDO1). *Journal of Medicinal Chemistry*, **2019**, 62, 8784-8795	8.3	33
35	Selective Targeting of SH2 Domain-Phosphotyrosine Interactions of Src Family Tyrosine Kinases with Monobodies. *Journal of Molecular Biology*, **2017**, 429, 1364-1380	6.5	18
34	Structural and functional dissection of the DH and PH domains of oncogenic Bcr-Abl tyrosine kinase. *Nature Communications*, **2017**, 8, 2101	17.4	21
33	Internalization and vacuolar targeting of the brassinosteroid hormone receptor BRI1 are regulated by ubiquitination. *Nature Communications*, **2015**, 6, 6151	17.4	106
32	Discovery of benzothiazoles as antimycobacterial agents: Synthesis, structure-activity relationships and binding studies with Mycobacterium tuberculosis decaprenylphosphoryl-D-ribose 2'-oxidase. *Bioorganic and Medicinal Chemistry*, **2015**, 23, 7694-710	3.4	26
31	2-Carboxyquinoxalines kill mycobacterium tuberculosis through noncovalent inhibition of DprE1. *ACS Chemical Biology*, **2015**, 10, 705-14	4.9	95
30	Pyridomycin bridges the NADH- and substrate-binding pockets of the enoyl reductase InhA. *Nature Chemical Biology*, **2014**, 10, 96-8	11.7	48
29	Peptide ligands stabilized by small molecules. *Angewandte Chemie - International Edition*, **2014**, 53, 1602-6	16.4	82

28	Towards a new combination therapy for tuberculosis with next generation benzothiazinones. *EMBO Molecular Medicine*, **2014**, 6, 372-83	12	231
27	Dithiol amino acids can structurally shape and enhance the ligand-binding properties of polypeptides. *Nature Chemistry*, **2014**, 6, 1009-16	17.6	63
26	The crystal structures of apo and cAMP-bound GlxR from Corynebacterium glutamicum reveal structural and dynamic changes upon cAMP binding in CRP/FNR family transcription factors. *PLoS ONE*, **2014**, 9, e113265	3.7	21
25	Functional dissection of intersubunit interactions in the EspR virulence regulator of Mycobacterium tuberculosis. *Journal of Bacteriology*, **2014**, 196, 1889-900	3.5	6
24	Mycobacterium tuberculosis EspB binds phospholipids and mediates EsxA-independent virulence. *Molecular Microbiology*, **2013**, 89, 1154-66	4.1	51
23	Tetrahydrobiopterin biosynthesis as an off-target of sulfa drugs. *Science*, **2013**, 340, 987-91	33.3	65
22	Phenotypic profiling of Mycobacterium tuberculosis EspA point mutants reveals that blockage of ESAT-6 and CFP-10 secretion in vitro does not always correlate with attenuation of virulence. *Journal of Bacteriology*, **2013**, 195, 5421-30	3.5	37
21	Structure and function of the transketolase from Mycobacterium tuberculosis and comparison with the human enzyme. *Open Biology*, **2012**, 2, 110026	7	26
20	Towards a new tuberculosis drug: pyridomycin - nature's isoniazid. *EMBO Molecular Medicine*, **2012**, 4, 1032-42	12	149
19	Structural basis for benzothiazinone-mediated killing of Mycobacterium tuberculosis. *Science Translational Medicine*, **2012**, 4, 150ra121	17.5	123
18	Evolution of the chalcone-isomerase fold from fatty-acid binding to stereospecific catalysis. *Nature*, **2012**, 485, 530-3	50.4	141
17	Benzothiazinones are suicide inhibitors of mycobacterial decaprenylphosphoryl-β-D-ribofuranose 2'-oxidase DprE1. *Journal of the American Chemical Society*, **2012**, 134, 912-5	16.4	126
16	EspD is critical for the virulence-mediating ESX-1 secretion system in Mycobacterium tuberculosis. *Journal of Bacteriology*, **2012**, 194, 884-93	3.5	56
15	Virulence regulator EspR of Mycobacterium tuberculosis is a nucleoid-associated protein. *PLoS Pathogens*, **2012**, 8, e1002621	7.6	95
14	Atypical DNA recognition mechanism used by the EspR virulence regulator of Mycobacterium tuberculosis. *Molecular Microbiology*, **2011**, 82, 251-64	4.1	20
13	Sigma factor F does not prevent rifampin inhibition of RNA polymerase or cause rifampin tolerance in Mycobacterium tuberculosis. *Journal of Bacteriology*, **2010**, 192, 5472-9	3.5	9
12	Towards anti-virulence drugs targeting ESX-1 mediated pathogenesis of Mycobacterium tuberculosis. *Drug Discovery Today Disease Mechanisms*, **2010**, 7, e25-e31		18
11	Discovery and characterization of a marine bacterial SAM-dependent chlorinase. *Nature Chemical Biology*, **2008**, 4, 69-74	11.7	172

10	Rapid synthesis of auxin via a new tryptophan-dependent pathway is required for shade avoidance in plants. *Cell*, **2008**, 133, 164-76	56.2	757
9	New auxin analogs with growth-promoting effects in intact plants reveal a chemical strategy to improve hormone delivery. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 15190-5	11.5	79
8	Structural basis for the design of potent and species-specific inhibitors of 3-hydroxy-3-methylglutaryl CoA synthases. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 11491-6	11.5	33
7	Molecular replacement in the 'twilight zone': structure determination of the non-haem iron oxygenase NovR from Streptomyces spheroides through repeated density modification of a poor molecular-replacement solution. *Acta Crystallographica Section D: Biological Crystallography*, **2006**, 62, 1564-70		9
6	CloR, a bifunctional non-heme iron oxygenase involved in clorobiocin biosynthesis. *Journal of Biological Chemistry*, **2003**, 278, 30661-8	5.4	40
5	CloQ, a prenyltransferase involved in clorobiocin biosynthesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 2316-21	11.5	104
4	Structural analysis of the Spike of the Omicron SARS-COV-2 variant by cryo-EM and implications for immune evasion		5
3	Changes in SARS-CoV-2 Antibody Responses Impact the Estimates of Infections in Population-Based Seroprevalence Studies		15
2	Structural investigation of ACE2 dependent disassembly of the trimeric SARS-CoV-2 Spike glycoprotein		4
1	SARS-CoV-2 Omicron potently neutralized by a novel antibody with unique Spike binding properties		1