Bin Zhou

List of Publications by Year in Descending Order

31 papers	704 citations	14 h-index	26 g-index
32 ext. papers	882 ext. citations	8.9 avg, IF	4.14 L-index

#	Paper	IF	Citations
31	Improvements on a chemically contiguous hapten for a vaccine to address fentanyl-contaminated heroin. *Bioorganic and Medicinal Chemistry*, **2021**, 41, 116225	3.4	3
30	Developing Translational Vaccines against Heroin and Fentanyl through Investigation of Adjuvants and Stability. *Molecular Pharmaceutics*, **2021**, 18, 228-235	5.6	4
29	Synthetic fluorescent MYC probe: Inhibitor binding site elucidation and development of a high-throughput screening assay. *Bioorganic and Medicinal Chemistry*, **2021**, 42, 116246	3.4	1
28	A fentanyl vaccine constructed upon opsonizing antibodies specific for the Galα1-3Gal epitope. *Chemical Communications*, **2020**, 56, 6551-6554	5.8	3
27	Sulfonate-isosteric replacement examined within heroin-hapten vaccine design. *Bioorganic and Medicinal Chemistry Letters*, **2020**, 30, 127388	2.9	3
26	Enhancement of a Heroin Vaccine through Hapten Deuteration. *Journal of the American Chemical Society*, **2020**, 142, 13294-13298	16.4	8
25	Consequence of Hapten Stereochemistry: An Efficacious Methamphetamine Vaccine. *Journal of the American Chemical Society*, **2019**, 141, 14089-14092	16.4	7
24	A chemically contiguous hapten approach for a heroin-fentanyl vaccine. *Beilstein Journal of Organic Chemistry*, **2019**, 15, 1020-1031	2.5	18
23	Monoclonal Antibodies for Combating Synthetic Opioid Intoxication. *Journal of the American Chemical Society*, **2019**, 141, 10489-10503	16.4	23
22	Heroin vaccine: Using titer, affinity, and antinociception as metrics when examining sex and strain differences. *Vaccine*, **2019**, 37, 4155-4163	4.1	13
21	Conjugate vaccine produces long-lasting attenuation of fentanyl vs. food choice and blocks expression of opioid withdrawal-induced increases in fentanyl choice in rats. *Neuropsychopharmacology*, **2019**, 44, 1681-1689	8.7	37
20	Vaccine blunts fentanyl potency in male rhesus monkeys. *Neuropharmacology*, **2019**, 158, 107730	5.5	26
19	Ghrelin Receptor Influence on Cocaine Reward is Not Directly Dependent on Peripheral Acyl-Ghrelin. *Scientific Reports*, **2019**, 9, 1841	4.9	9
18	Heat shock proteins: A dual carrier-adjuvant for an anti-drug vaccine against heroin. *Bioorganic and Medicinal Chemistry*, **2019**, 27, 125-132	3.4	11
17	Enhancing Efficacy and Stability of an Antiheroin Vaccine: Examination of Antinociception, Opioid Binding Profile, and Lethality. *Molecular Pharmaceutics*, **2018**, 15, 1062-1072	5.6	37
16	An enzymatic advance in nicotine cessation therapy. *Chemical Communications*, **2018**, 54, 1686-1689	5.8	15
15	Efficacious Vaccine against Heroin Contaminated with Fentanyl. *ACS Chemical Neuroscience*, **2018**, 9, 1269-1275	5.7	32

14	Synthetic molecules for disruption of the MYC protein-protein interface. *Bioorganic and Medicinal Chemistry*, **2018**, 26, 4234-4239	3.4	7
13	Improved Admixture Vaccine of Fentanyl and Heroin Hapten Immunoconjugates: Antinociceptive Evaluation of Fentanyl-Contaminated Heroin. *ACS Omega*, **2018**, 3, 11537-11543	3.9	26
12	An enzymatic approach reverses nicotine dependence, decreases compulsive-like intake, and prevents relapse. *Science Advances*, **2018**, 4, eaat4751	14.3	16
11	Development of a Clinically Viable Heroin Vaccine. *Journal of the American Chemical Society*, **2017**, 139, 8601-8611	16.4	64
10	Vaccine-driven pharmacodynamic dissection and mitigation of fenethylline psychoactivity. *Nature*, **2017**, 548, 476-479	50.4	5
9	A bioconjugate leveraging xenoreactive antibodies to alleviate cocaine-induced behavior. *Chemical Communications*, **2017**, 53, 8156-8159	5.8	5
8	An Advance in Prescription Opioid Vaccines: Overdose Mortality Reduction and Extraordinary Alteration of Drug Half-Life. *ACS Chemical Biology*, **2017**, 12, 36-40	4.9	33
7	Hidden Lineage Complexity of Glycan-Dependent HIV-1 Broadly Neutralizing Antibodies Uncovered by Digital Panning and Native-Like gp140 Trimer. *Frontiers in Immunology*, **2017**, 8, 1025	8.4	14
6	Combatting Synthetic Designer Opioids: A Conjugate Vaccine Ablates Lethal Doses of Fentanyl Class Drugs. *Angewandte Chemie*, **2016**, 128, 3836-3839	3.6	10
5	Combatting Synthetic Designer Opioids: A Conjugate Vaccine Ablates Lethal Doses of Fentanyl Class Drugs. *Angewandte Chemie - International Edition*, **2016**, 55, 3772-5	16.4	81
4	Uncleaved prefusion-optimized gp140 trimers derived from analysis of HIV-1 envelope metastability. *Nature Communications*, **2016**, 7, 12040	17.4	86
3	Presenting native-like trimeric HIV-1 antigens with self-assembling nanoparticles. *Nature Communications*, **2016**, 7, 12041	17.4	101
2	Studies towards the improvement of an anti-cocaine monoclonal antibody for treatment of acute overdose. *Bioorganic and Medicinal Chemistry Letters*, **2016**, 26, 5078-5081	2.9	1
1	Delineating the susceptibility of botulinum neurotoxins to denaturation through thermal effects. *FEBS Letters*, **2008**, 582, 1526-31	3.8	5