

Bin Zhou

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Presenting native-like trimeric HIV-1 antigens with self-assembling nanoparticles. <i>Nature Communications</i> , 2016 , 7, 12041	17.4	101
30	Uncleaved prefusion-optimized gp140 trimers derived from analysis of HIV-1 envelope metastability. <i>Nature Communications</i> , 2016 , 7, 12040	17.4	86
29	Combatting Synthetic Designer Opioids: A Conjugate Vaccine Ablates Lethal Doses of Fentanyl Class Drugs. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 3772-5	16.4	81
28	Development of a Clinically Viable Heroin Vaccine. <i>Journal of the American Chemical Society</i> , 2017 , 139, 8601-8611	16.4	64
27	Conjugate vaccine produces long-lasting attenuation of fentanyl vs. food choice and blocks expression of opioid withdrawal-induced increases in fentanyl choice in rats. <i>Neuropsychopharmacology</i> , 2019 , 44, 1681-1689	8.7	37
26	Enhancing Efficacy and Stability of an Antiheroine Vaccine: Examination of Antinociception, Opioid Binding Profile, and Lethality. <i>Molecular Pharmaceutics</i> , 2018 , 15, 1062-1072	5.6	37
25	An Advance in Prescription Opioid Vaccines: Overdose Mortality Reduction and Extraordinary Alteration of Drug Half-Life. <i>ACS Chemical Biology</i> , 2017 , 12, 36-40	4.9	33
24	Efficacious Vaccine against Heroin Contaminated with Fentanyl. <i>ACS Chemical Neuroscience</i> , 2018 , 9, 1269-1275	5.7	32
23	Vaccine blunts fentanyl potency in male rhesus monkeys. <i>Neuropharmacology</i> , 2019 , 158, 107730	5.5	26
22	Improved Admixture Vaccine of Fentanyl and Heroin Hapten Immunoconjugates: Antinociceptive Evaluation of Fentanyl-Contaminated Heroin. <i>ACS Omega</i> , 2018 , 3, 11537-11543	3.9	26
21	Monoclonal Antibodies for Combating Synthetic Opioid Intoxication. <i>Journal of the American Chemical Society</i> , 2019 , 141, 10489-10503	16.4	23
20	A chemically contiguous hapten approach for a heroin-fentanyl vaccine. <i>Beilstein Journal of Organic Chemistry</i> , 2019 , 15, 1020-1031	2.5	18
19	An enzymatic approach reverses nicotine dependence, decreases compulsive-like intake, and prevents relapse. <i>Science Advances</i> , 2018 , 4, eaat4751	14.3	16
18	An enzymatic advance in nicotine cessation therapy. <i>Chemical Communications</i> , 2018 , 54, 1686-1689	5.8	15
17	Hidden Lineage Complexity of Glycan-Dependent HIV-1 Broadly Neutralizing Antibodies Uncovered by Digital Panning and Native-Like gp140 Trimer. <i>Frontiers in Immunology</i> , 2017 , 8, 1025	8.4	14
16	Heroin vaccine: Using titer, affinity, and antinociception as metrics when examining sex and strain differences. <i>Vaccine</i> , 2019 , 37, 4155-4163	4.1	13
15	Heat shock proteins: A dual carrier-adjuvant for an anti-drug vaccine against heroin. <i>Bioorganic and Medicinal Chemistry</i> , 2019 , 27, 125-132	3.4	11

14	Combatting Synthetic Designer Opioids: A Conjugate Vaccine Ablates Lethal Doses of Fentanyl Class Drugs. <i>Angewandte Chemie</i> , 2016 , 128, 3836-3839	3.6	10
13	Ghrelin Receptor Influence on Cocaine Reward is Not Directly Dependent on Peripheral Acyl-Ghrelin. <i>Scientific Reports</i> , 2019 , 9, 1841	4.9	9
12	Enhancement of a Heroin Vaccine through Hapten Deuteration. <i>Journal of the American Chemical Society</i> , 2020 , 142, 13294-13298	16.4	8
11	Consequence of Hapten Stereochemistry: An Efficacious Methamphetamine Vaccine. <i>Journal of the American Chemical Society</i> , 2019 , 141, 14089-14092	16.4	7
10	Synthetic molecules for disruption of the MYC protein-protein interface. <i>Bioorganic and Medicinal Chemistry</i> , 2018 , 26, 4234-4239	3.4	7
9	Vaccine-driven pharmacodynamic dissection and mitigation of fenethylamine psychoactivity. <i>Nature</i> , 2017 , 548, 476-479	50.4	5
8	A bioconjugate leveraging xenoreactive antibodies to alleviate cocaine-induced behavior. <i>Chemical Communications</i> , 2017 , 53, 8156-8159	5.8	5
7	Delineating the susceptibility of botulinum neurotoxins to denaturation through thermal effects. <i>FEBS Letters</i> , 2008 , 582, 1526-31	3.8	5
6	Developing Translational Vaccines against Heroin and Fentanyl through Investigation of Adjuvants and Stability. <i>Molecular Pharmaceutics</i> , 2021 , 18, 228-235	5.6	4
5	A fentanyl vaccine constructed upon opsonizing antibodies specific for the Gal α 1-3Gal epitope. <i>Chemical Communications</i> , 2020 , 56, 6551-6554	5.8	3
4	Sulfonate-isosteric replacement examined within heroin-hapten vaccine design. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020 , 30, 127388	2.9	3
3	Improvements on a chemically contiguous hapten for a vaccine to address fentanyl-contaminated heroin. <i>Bioorganic and Medicinal Chemistry</i> , 2021 , 41, 116225	3.4	3
2	Studies towards the improvement of an anti-cocaine monoclonal antibody for treatment of acute overdose. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016 , 26, 5078-5081	2.9	1
1	Synthetic fluorescent MYC probe: Inhibitor binding site elucidation and development of a high-throughput screening assay. <i>Bioorganic and Medicinal Chemistry</i> , 2021 , 42, 116246	3.4	1