Kim D Janda

List of Publications by Year
in descending order

206	6,908	53660 45	88477 70
papers	citations	h-index	g-index

218	218	218	4848
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Revisiting quorum sensing: Discovery of additional chemical and biological functions for 3-oxo-N-acylhomoserine lactones. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 309-314.	3.3	323
2	Chemical Selection for Catalysis in Combinatorial Antibody Libraries. Science, 1997, 275, 945-948.	6.0	224
3	Suppression of psychoactive effects of cocaine by active immunization. Nature, 1995, 378, 727-730.	13.7	222
4	Modulation of Gene Expression via Disruption of NF-Î²B Signaling by a Bacterial Small Molecule. Science, 2008, 321, 259-263.	6.0	192
5	N-(3-Oxo-acyl)homoserine Lactones Signal Cell Activation through a Mechanism distinct from the Canonical Pathogen-associated Molecular Pattern Recognition Receptor Pathways. Journal of Biological Chemistry, 2006, 281, 28822-28830.	1.6	124
6	An in vitro and in vivo disconnect uncovered through high-throughput identification of botulinum neurotoxin A antagonists. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2602-2607.	3.3	119
7	Structures of Clostridium botulinum Neurotoxin Serotype A Light Chain Complexed with Small-Molecule Inhibitors Highlight Active-Site Flexibility. Chemistry and Biology, 2007, 14, 533-542.	6.2	119
8	Inhibitor of MYC identified in a KrÃ¶hnke pyridine library. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12556-12561.	3.3	110
9	Combatting Synthetic Designer Opioids: A Conjugate Vaccine Ablates Lethal Doses of Fentanyl Class Drugs. Angewandte Chemie - International Edition, 2016, 55, 3772-3775.	7.2	110
10	Evaluation of immunoglobulins from plant cells. Biotechnology Progress, 1991, 7, 455-461.	1.3	108
11	A Vaccine Strategy that Induces Protective Immunity against Heroin. Journal of Medicinal Chemistry, 2011, 54, 5195-5204.	2.9	107
12	Identification of a Potent Botulinum Neurotoxin A Protease Inhibitor Using in Situ Lead Identification Chemistry. Organic Letters, 2006, 8, 1729-1732.	2.4	100
13	Dynamic vaccine blocks relapse to compulsive intake of heroin. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9036-9041.	3.3	93
14	A credit-card library approach for disrupting proteinâ€“protein interactions. Bioorganic and Medicinal Chemistry, 2006, 14, 2660-2673.	1.4	81
15	Bimodal modulation of the botulinum neurotoxin protein-conducting channel. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1330-1335.	3.3	80
16	Development of a Clinically Viable Heroin Vaccine. Journal of the American Chemical Society, 2017, 139, 8601-8611.	6.6	78
17	Immunopharmacotherapy: Vaccination strategies as a treatment for drug abuse and dependence. Pharmacology Biochemistry and Behavior, 2009, 92, 199-205.	1.3	77
18	A Methamphetamine Vaccine Attenuates Methamphetamine-Induced Disruptions in Thermoregulation and Activity in Rats. Biological Psychiatry, 2013, 73, 721-728.	0.7	76

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19	Injection Route and TLR9 Agonist Addition Significantly Impact Heroin Vaccine Efficacy. Molecular Pharmaceutics, 2014, 11, 1075-1080.	2.3	74
20	Impact of Distinct Chemical Structures for the Development of a Methamphetamine Vaccine. Journal of the American Chemical Society, 2011, 133, 6587-6595.	6.6	73
21	Conjugate Vaccine Immunotherapy for Substance Use Disorder. Pharmacological Reviews, 2017, 69, 298-315.	7.1	73
22	Catalytic antibodies: hapten design strategies and screening methods. Bioorganic and Medicinal Chemistry, 2004, 12, 5247-5268.	1.4	70
23	Investigations using immunization to attenuate the psychoactive effects of nicotine. Bioorganic and Medicinal Chemistry, 2004, 12, 563-570.	1.4	69
24	Liposomes containing monophosphoryl lipid A: A potent adjuvant system for inducing antibodies to heroin hapten analogs. Vaccine, 2013, 31, 2804-2810.	1.7	69
25	Novel Cocaine Vaccine Linked to a Disrupted Adenovirus Gene Transfer Vector Blocks Cocaine Psychostimulant and Reinforcing Effects. Neuropsychopharmacology, 2012, 37, 1083-1091.	2.8	68
26	Synthesis, Characterization and Development of a High-Throughput Methodology for the Discovery of Botulinum Neurotoxin A Inhibitors. ACS Combinatorial Science, 2006, 8, 513-521.	3.3	67
27	The Strange Case of the Botulinum Neurotoxin: Using Chemistry and Biology to Modulate the Most Deadly Poison. Angewandte Chemie - International Edition, 2008, 47, 8360-8379.	7.2	66
28	Metabolomics-Based Discovery of Diagnostic Biomarkers for Onchocerciasis. PLoS Neglected Tropical Diseases, 2010, 4, e834.	1.3	66
29	An Immunotherapeutic Program for the Treatment of Nicotine Addiction:Â Hapten Design and Synthesis. Journal of Organic Chemistry, 2001, 66, 4115-4121.	1.7	64
30	A Critical Evaluation of a Nicotine Vaccine within a Self-Administration Behavioral Model. Molecular Pharmaceutics, 2010, 7, 431-441.	2.3	64
31	Onchocerca volvulus -neurotransmitter tyramine is a biomarker for river blindness. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4218-4223.	3.3	63
32	Solid-Phase Rhodium Carbenoid Reactions:â€‰ An Nâˆ’H Insertion Route to a Diverse Series of Oxazoles. Organic Letters, 2001, 3, 2173-2176.	2.4	61
33	Cocaine Analog Coupled to Disrupted Adenovirus: A Vaccine Strategy to Evoke High-titer Immunity Against Addictive Drugs. Molecular Therapy, 2011, 19, 612-619.	3.7	61
34	Cationic cyclopropanation by antibody catalysis. Nature, 1996, 379, 326-327.	13.7	60
35	Antibody Catalysis of Glycosidic Bond Hydrolysis. Angewandte Chemie International Edition in English, 1991, 30, 1711-1713.	4.4	59
36	Formation of Bridge-Methylated Decalins by Antibody-Catalyzed Tandem Cationic Cyclization. Journal of the American Chemical Society, 1997, 119, 5993-5998.	6.6	57

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37	Light Chain of Botulinum Neurotoxin Serotype A:â€‰ Structural Resolution of a Catalytic Intermediate,. Biochemistry, 2006, 45, 8903-8911.	1.2	57
38	A previously undescribed chemical link between smoking and metabolic disease. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 15084-15088.	3.3	56
39	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.	2.8	56
40	Soluble-Polymer Supported Synthesis of a Prostanoid Library:Â Identification of Antiviral Activity. Organic Letters, 1999, 1, 1859-1862.	2.4	53
41	Evaluation of adamantane hydroxamates as botulinum neurotoxin inhibitors: Synthesis, crystallography, modeling, kinetic and cellular based studies. Bioorganic and Medicinal Chemistry, 2013, 21, 1344-1348.	1.4	53
42	Adenovirus Capsid-Based Anti-Cocaine Vaccine Prevents Cocaine from Binding to the Nonhuman Primate CNS Dopamine Transporter. Neuropsychopharmacology, 2013, 38, 2170-2178.	2.8	52
43	Fate of Systemically Administered Cocaine in Nonhuman Primates Treated with the dAd5GNE Anticocaine Vaccine. Human Gene Therapy Clinical Development, 2014, 25, 40-49.	3.2	51
44	Botulinum Neurotoxin A Protease: Discovery of Natural Product Exosite Inhibitors. Journal of the American Chemical Society, 2010, 132, 2868-2869.	6.6	49
45	Î”9-tetrahydrocannabinol attenuates oxycodone self-administration under extended access conditions. Neuropharmacology, 2019, 151, 127-135.	2.0	49
46	AAV-Directed Persistent Expression of a Gene Encoding Anti-Nicotine Antibody for Smoking Cessation. Science Translational Medicine, 2012, 4, 140ra87.	5.8	47
47	Enhancing Efficacy and Stability of an Antiheroin Vaccine: Examination of Antinociception, Opioid Binding Profile, and Lethality. Molecular Pharmaceutics, 2018, 15, 1062-1072.	2.3	47
48	Identification of a botulinum neurotoxin A protease inhibitor displaying efficacy in a cellular model. Chemical Communications, 2006, , 3063.	2.2	46
49	Efficacy of an adenovirus-based anti-cocaine vaccine to reduce cocaine self-administration and reacqusition using a choice procedure in rhesus macaques. Pharmacology Biochemistry and Behavior, 2016, 150-151, 76-86.	1.3	46
50	Convergence of Catalytic Antibody and Terpene Cyclase Mechanisms: Polyene Cyclization Directed by Carbocation-Ï€ Interactions. Angewandte Chemie - International Edition, 1999, 38, 1743-1747.	7.2	45
51	A Substrate-Based Methodology That Allows the Regioselective Control of the Catalytic Aminohydroxylation Reaction. Chemistry - A European Journal, 1999, 5, 1565-1569.	1.7	44
52	AAVrh.10-Mediated Expression of an Anti-Cocaine Antibody Mediates Persistent Passive Immunization That Suppresses Cocaine-Induced Behavior. Human Gene Therapy, 2012, 23, 451-459.	1.4	44
53	Efficacious Vaccine against Heroin Contaminated with Fentanyl. ACS Chemical Neuroscience, 2018, 9, 1269-1275.	1.7	44
54	Prophylactic vaccination protects against the development of oxycodone self-administration. Neuropharmacology, 2018, 138, 292-303.	2.0	44

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55	Monoclonal Antibodies for Combating Synthetic Opioid Intoxication. Journal of the American Chemical Society, 2019, 141, 10489-10503.	6.6	43
56	Synthesis and structureâ€“activity relationships of second-generation hydroxamate botulinum neurotoxin A protease inhibitors. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 6463-6466.	1.0	42
57	Flagellin as Carrier and Adjuvant in Cocaine Vaccine Development. Molecular Pharmaceutics, 2015, 12, 653-662.	2.3	42
58	An Advance in Prescription Opioid Vaccines: Overdose Mortality Reduction and Extraordinary Alteration of Drug Half-Life. ACS Chemical Biology, 2017, 12, 36-40.	1.6	41
59	Vaccine blunts fentanyl potency in male rhesus monkeys. Neuropharmacology, 2019, 158, 107730.	2.0	41
60	Identification of a Natural Product Antagonist against the Botulinum Neurotoxin Light Chain Protease. ACS Medicinal Chemistry Letters, 2010, 1, 268-272.	1.3	40
61	Vaccines targeting drugs of abuse: is the glass half-empty or half-full?. Nature Reviews Immunology, 2012, 12, 67-72.	10.6	40
62	Substituted 4-hydroxy-1,2,3-triazoles: synthesis, characterization and first drug design applications through bioisosteric modulation and scaffold hopping approaches. MedChemComm, 2015, 6, 1285-1292.	3.5	40
63	Investigating the Effects of a Hydrolytically Stable Hapten and a Th1 Adjuvant on Heroin Vaccine Performance. Journal of Medicinal Chemistry, 2012, 55, 10776-10780.	2.9	38
64	Investigating Hapten Clustering as a Strategy to Enhance Vaccines against Drugs of Abuse. Bioconjugate Chemistry, 2014, 25, 593-600.	1.8	38
65	Reprofiled anthelmintics abate hypervirulent stationary-phase Clostridium difficile. Scientific Reports, 2016, 6, 33642.	1.6	38
66	Catalytic Antibodies: Structure and Function. Cell Biochemistry and Biophysics, 2001, 35, 63-87.	0.9	37
67	Modulating Cocaine Vaccine Potency through Hapten Fluorination. Journal of the American Chemical Society, 2013, 135, 2971-2974.	6.6	37
68	Evaluation of â€œCredit Cardâ€•Libraries for Inhibition of HIV-1 gp41 Fusogenic Core Formation. ACS Combinatorial Science, 2006, 8, 531-539.	3.3	36
69	Probing Active Cocaine Vaccination Performance through Catalytic and Noncatalytic Hapten Design. Journal of Medicinal Chemistry, 2013, 56, 3701-3709.	2.9	36
70	Developing a Vaccine Against Multiple Psychoactive Targets: A Case Study of Heroin. CNS and Neurological Disorders - Drug Targets, 2011, 10, 865-875.	0.8	36
71	Identification and Characterization of Single Chain Anti-cocaine Catalytic Antibodies. Journal of Molecular Biology, 2007, 365, 722-731.	2.0	35
72	Anti-Cocaine Vaccine Based on Coupling a Cocaine Analog to a Disrupted Adenovirus. CNS and Neurological Disorders - Drug Targets, 2011, 10, 899-904.	0.8	35

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73	A Conjugate Vaccine Using Enantiopure Hapten Imparts Superior Nicotine-Binding Capacity. Journal of Medicinal Chemistry, 2015, 58, 1005-1011.	2.9	34
74	Monitoring Chemical Warfare Agents: A New Method for the Detection of Methylphosphonic Acid. Angewandte Chemie - International Edition, 1999, 38, 1793-1795.	7.2	32
75	An Antidote for Acute Cocaine Toxicity. Molecular Pharmaceutics, 2012, 9, 969-978.	2.3	32
76	Enhancing nicotine vaccine immunogenicity with liposomes. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 975-978.	1.0	32
77	Cocaine Vaccine Development: Evaluation of Carrier and Adjuvant Combinations That Activate Multiple Toll-Like Receptors. Molecular Pharmaceutics, 2016, 13, 3884-3890.	2.3	32
78	A Pentacoordinate Oxorhenium(V) Metallochelate Elicits Antibody Catalysts for Phosphodiester Cleavage. Journal of the American Chemical Society, 1997, 119, 4088-4089.	6.6	31
79	Dual Protonophoreâ€“Chitinase Inhibitors Dramatically Affect O. volvulus Molting. Journal of Medicinal Chemistry, 2014, 57, 5792-5799.	2.9	31
80	Methamphetamine Vaccines: Improvement through Hapten Design. Journal of Medicinal Chemistry, 2016, 59, 3878-3885.	2.9	31
81	Improved Admixture Vaccine of Fentanyl and Heroin Hapten Immunoconjugates: Antinociceptive Evaluation of Fentanyl-Contaminated Heroin. ACS Omega, 2018, 3, 11537-11543.	1.6	31
82	Toward the discovery of potent inhibitors of botulinum neurotoxin A: development of a robust LC MS based assay operational from low to subnanomolar enzyme concentrations. Chemical Communications, 2008, , 3525.	2.2	30
83	3-Hydroxy-1-alkyl-2-methylpyridine-4(1H)-thiones: Inhibition of the Pseudomonas aeruginosa Virulence Factor LasB. ACS Medicinal Chemistry Letters, 2012, 3, 668-672.	1.3	30
84	Newly Designed Quinolinol Inhibitors Mitigate the Effects of Botulinum Neurotoxin A in Enzymatic, Cell-Based, and ex Vivo Assays. Journal of Medicinal Chemistry, 2017, 60, 338-348.	2.9	30
85	Probing the Effects of Hapten Stability on Cocaine Vaccine Immunogenicity. Molecular Pharmaceutics, 2013, 10, 4176-4184.	2.3	29
86	A New Strategy for Smoking Cessation: Characterization of a Bacterial Enzyme for the Degradation of Nicotine. Journal of the American Chemical Society, 2015, 137, 10136-10139.	6.6	29
87	Noninvasive Urine Biomarker Lateral Flow Immunoassay for Monitoring Active Onchocerciasis. ACS Infectious Diseases, 2018, 4, 1423-1431.	1.8	29
88	Toosendanin: Synthesis of the AB-ring and investigations of its anti-botulinum properties (Part II). Bioorganic and Medicinal Chemistry, 2010, 18, 1280-1287.	1.4	28
89	Chirality Holds the Key for Potent Inhibition of the Botulinum Neurotoxin Serotype A Protease. Organic Letters, 2010, 12, 756-759.	2.4	28
90	Benzylidene cyclopentenediones: First irreversible inhibitors against botulinum neurotoxin Aâ€™s zinc endopeptidase. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 206-208.	1.0	27

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91	Disrupted Adenovirus-Based Vaccines Against Small Addictive Molecules Circumvent Anti-Adenovirus Immunity. Human Gene Therapy, 2013, 24, 58-66.	1.4	27
92	In vivo quantification and perturbation of Myc-Max interactions and the impact on oncogenic potential. Oncotarget, 2014, 5, 8869-8878.	0.8	27
93	Function-oriented synthesis applied to the anti-botulinum natural product toosendanin. Bioorganic and Medicinal Chemistry, 2009, 17, 1152-1157.	1.4	26
94	Influencing Antibody-Mediated Attenuation of Methamphetamine CNS Distribution through Vaccine Linker Design. ACS Chemical Neuroscience, 2017, 8, 468-472.	1.7	26
95	Symptomatic Relief of Botulinum Neurotoxin/A Intoxication with Aminopyridines: A New Twist on an Old Molecule. ACS Chemical Biology, 2010, 5, 1183-1191.	1.6	25
96	Preparation of a KrÃ¶hnke Pyridine Combinatorial Library Suitable for Solution-Phase Biological Screening. ACS Combinatorial Science, 2003, 5, 625-631.	3.3	23
97	Active vaccination attenuates the psychostimulant effects of Î±-PVP and MDPV in rats. Neuropharmacology, 2017, 116, 1-8.	2.0	23
98	Immunopharmacotherapies for Treating Opioid Use Disorder. Trends in Pharmacological Sciences, 2018, 39, 908-911.	4.0	23
99	Evaluation of a Dual Fentanyl/Heroin Vaccine on the Antinociceptive and Reinforcing Effects of a Fentanyl/Heroin Mixture in Male and Female Rats. ACS Chemical Neuroscience, 2020, 11, 1300-1310.	1.7	23
100	Antibody-Catalyzed Phosphate Triester Hydrolysis. Angewandte Chemie International Edition in English, 1995, 34, 2275-2277.	4.4	22
101	An enzymatic approach reverses nicotine dependence, decreases compulsive-like intake, and prevents relapse. Science Advances, 2018, 4, eaat4751.	4.7	22
102	A chemically contiguous hapten approach for a heroinâ€“fentanyl vaccine. Beilstein Journal of Organic Chemistry, 2019, 15, 1020-1031.	1.3	22
103	Chemical Interventions for the Opioid Crisis: Key Advances and Remaining Challenges. Journal of the American Chemical Society, 2019, 141, 1798-1806.	6.6	22
104	Design and synthesis of a cocaine-diamide hapten for vaccine development. Tetrahedron Letters, 1996, 37, 5479-5482.	0.7	21
105	Targeting Botulinum A Cellular Toxicity: A Prodrug Approach. Journal of Medicinal Chemistry, 2013, 56, 7870-7879.	2.9	21
106	Investigations of Enantiopure Nicotine Haptens Using an Adjuvanting Carrier in Anti-Nicotine Vaccine Development. Journal of Medicinal Chemistry, 2016, 59, 2523-2529.	2.9	21
107	Validation of onchocerciasis biomarker N -acetyltyramine- O -glucuronide (NATOG). Bioorganic and Medicinal Chemistry Letters, 2017, 27, 3436-3440.	1.0	20
108	Strategies to Counteract Botulinum Neurotoxin A: Natureâ€™s Deadliest Biomolecule. Accounts of Chemical Research, 2019, 52, 2322-2331.	7.6	20

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109	Structural Analysis Provides Mechanistic Insight into Nicotine Oxidoreductase from Pseudomonas putida. Biochemistry, 2016, 55, 6595-6598.	1.2	19
110	Formulating a new basis for the treatment against botulinum neurotoxin intoxication: 3,4-Diaminopyridine prodrug design and characterization. Bioorganic and Medicinal Chemistry, 2011, 19, 6203-6209.	1.4	18
111	Synthesis/biological evaluation of hydroxamic acids and their prodrugs as inhibitors for Botulinum neurotoxin A light chain. Bioorganic and Medicinal Chemistry, 2014, 22, 1208-1217.	1.4	18
112	An enzymatic advance in nicotine cessation therapy. Chemical Communications, 2018, 54, 1686-1689.	2.2	18
113	Ghrelin Receptor Influence on Cocaine Reward is Not Directly Dependent on Peripheral Acyl-Ghrelin. Scientific Reports, 2019, 9, 1841.	1.6	18
114	A synthetic opioid vaccine attenuates fentanyl-vs-food choice in male and female rhesus monkeys. Drug and Alcohol Dependence, 2021, 218, 108348.	1.6	18
115	Liquid-phase combinatorial synthesis: In search of small-molecule enzyme mimics. Molecular Diversity, 1996, 2, 89-96.	2.1	17
116	Immunopharmacotherapeutic manifolds and modulation of cocaine overdose. Pharmacology Biochemistry and Behavior, 2011, 98, 474-484.	1.3	17
117	Benzoquinones as inhibitors of botulinum neurotoxin serotype A. Bioorganic and Medicinal Chemistry, 2014, 22, 3971-3981.	1.4	17
118	Exploiting the Polypharmacology of ÃŸ-Carbolines to Disrupt O. volvulus Molting. ACS Medicinal Chemistry Letters, 2015, 6, 339-343.	1.3	17
119	Lateral Flow Assessment and Unanticipated Toxicity of Kratom. Chemical Research in Toxicology, 2019, 32, 113-121.	1.7	17
120	Synthesis of â€˜clickableâ€™ acylhomoserine lactone quorum sensing probes: Unanticipated effects on mammalian cell activation. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 2702-2705.	1.0	16
121	Facilitating Cytokine-Mediated Cancer Cell Death by Proteobacterial N-Acylhomoserine Lactones. ACS Chemical Biology, 2013, 8, 1117-1120.	1.6	16
122	C-Terminus of Botulinum A Protease Has Profound and Unanticipated Kinetic Consequences upon the Catalytic Cleft. ACS Medicinal Chemistry Letters, 2013, 4, 283-287.	1.3	16
123	Crystallography Coupled with Kinetic Analysis Provides Mechanistic Underpinnings of a Nicotine-Degrading Enzyme. Biochemistry, 2018, 57, 3741-3751.	1.2	16
124	Heroin vaccine: Using titer, affinity, and antinociception as metrics when examining sex and strain differences. Vaccine, 2019, 37, 4155-4163.	1.7	16
125	A Highly Efficacious Carfentanil Vaccine That Blunts Opioid-Induced Antinociception and Respiratory Depression. ACS Chemical Biology, 2021, 16, 277-282.	1.6	16
126	Effects of hydroxamate metalloendoprotease inhibitors on botulinum neurotoxin A poisoned mouse neuromuscular junctions. Neuropharmacology, 2010, 58, 1189-1198.	2.0	15

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127	Toward the discovery of dual inhibitors for botulinum neurotoxin A: concomitant targeting of endocytosis and light chain protease activity. Chemical Communications, 2015, 51, 6226-6229.	2.2	15
128	Cellular Protection of SNAP-25 against Botulinum Neurotoxin/A: Inhibition of Thioredoxin Reductase through a Suicide Substrate Mechanism. Journal of the American Chemical Society, 2016, 138, 5568-5575.	6.6	15
129	The design and synthesis of an Î±-Gal trisaccharide epitope that provides a highly specific anti-Gal immune response. Organic and Biomolecular Chemistry, 2017, 15, 2979-2992.	1.5	15
130	Metal Ions Effectively Ablate the Action of Botulinum Neurotoxin A. Journal of the American Chemical Society, 2017, 139, 7264-7272.	6.6	15
131	Vaccines to combat the opioid crisis. EMBO Reports, 2018, 19, 5-9.	2.0	15
132	Myc and Loss of p53 Cooperate to Drive Formation of Choroid Plexus Carcinoma. Cancer Research, 2019, 79, 2208-2219.	0.4	15
133	Discovery of Chemicals to Either Clear or Indicate Amyloid Aggregates by Targeting Memoryâ€Impairing Antiâ€Parallel AÎ² Dimers. Angewandte Chemie - International Edition, 2020, 59, 11491-11500.	7.2	15
134	Combatting Synthetic Designer Opioids: A Conjugate Vaccine Ablates Lethal Doses of Fentanyl Class Drugs. Angewandte Chemie, 2016, 128, 3836-3839.	1.6	14
135	Enhancement of a Heroin Vaccine through Hapten Deuteration. Journal of the American Chemical Society, 2020, 142, 13294-13298.	6.6	13
136	Catch and Anchor Approach To Combat Both Toxicity and Longevity of Botulinum Toxin A. Journal of Medicinal Chemistry, 2020, 63, 11100-11120.	2.9	13
137	Onchocerca volvulus Molting Inhibitors Identified through Scaffold Hopping. ACS Infectious Diseases, 2015, 1, 198-202.	1.8	12
138	Salicylanilides Reduce SARS-CoV-2 Replication and Suppress Induction of Inflammatory Cytokines in a Rodent Model. ACS Infectious Diseases, 2021, 7, 2229-2237.	1.8	12
139	Immunological Consequences of Methamphetamine Protein Glycation. Journal of the American Chemical Society, 2004, 126, 11446-11447.	6.6	11
140	Synthesis and evaluation of library of betulin derivatives against the botulinum neurotoxin A protease. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 2229-2231.	1.0	11
141	Mining a KrÃ¶hnke Pyridine Library for Anti-Arenavirus Activity. ACS Infectious Diseases, 2018, 4, 815-824.	1.8	11
142	Heat shock proteins: A dual carrier-adjuvant for an anti-drug vaccine against heroin. Bioorganic and Medicinal Chemistry, 2019, 27, 125-132.	1.4	11
143	Developing Translational Vaccines against Heroin and Fentanyl through Investigation of Adjuvants and Stability. Molecular Pharmaceutics, 2021, 18, 228-235.	2.3	11
144	Immunoediting role for major vault protein in apoptotic signaling induced by bacterial N -acyl homoserine lactones. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	11

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145	Current challenges for the creation of effective vaccines against drugs of abuse. Expert Review of Vaccines, 2011, 10, 1637-1639.	2.0	10
146	Litomosoides sigmodontis: A jird urine metabolome study. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 5804-5807.	1.0	10
147	Dissecting AI-2-mediated quorum sensing through C5-analogue synthesis and biochemical analysis. Tetrahedron, 2016, 72, 3593-3598.	1.0	10
148	Vaccine-driven pharmacodynamic dissection and mitigation of fenethylline psychoactivity. Nature, 2017, 548, 476-479.	13.7	10
149	Consequence of Hapten Stereochemistry: An Efficacious Methamphetamine Vaccine. Journal of the American Chemical Society, 2019, 141, 14089-14092.	6.6	10
150	Immunopharmacotherapeutic advancements in addressing methamphetamine abuse. RSC Chemical Biology, 2021, 2, 77-93.	2.0	10
151	Probing BoNT/A Protease Exosites: Implications for Inhibitor Design and Light Chain Longevity. Biochemistry, 2014, 53, 6820-6824.	1.2	9
152	A Vision for Vaccines: Combating the Opioid Epidemic. Biochemistry, 2017, 56, 5625-5627.	1.2	9
153	Efficient Syntheses of Cocaine Vaccines and Their in Vivo Evaluation. ACS Medicinal Chemistry Letters, 2018, 9, 411-416.	1.3	9
154	Broadly Neutralizing Synthetic Cannabinoid Vaccines. Jacs Au, 2021, 1, 31-40.	3.6	9
155	Catalytic antibodies: the rerouting of chemical reactions. Biochemical Society Transactions, 1993, 21, 1090-1095.	1.6	8
156	Synthetic molecules for disruption of the MYC protein-protein interface. Bioorganic and Medicinal Chemistry, 2018, 26, 4234-4239.	1.4	8
157	Irreversible inhibition of BoNT/A protease: proximity-driven reactivity contingent upon a bifunctional approach. RSC Medicinal Chemistry, 2021, 12, 960-969.	1.7	8
158	Fast Kinetics Reveals Rate-Limiting Oxidation and the Role of the Aromatic Cage in the Mechanism of the Nicotine-Degrading Enzyme NicA2. Biochemistry, 2021, 60, 259-273.	1.2	8
159	Investigations into the efficacy of multi-component cocaine vaccines. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 2779-2783.	1.0	7
160	Salicylanilide Analog Minimizes Relapse of Clostridioides difficile Infection in Mice. Journal of Medicinal Chemistry, 2020, 63, 6898-6908.	2.9	7
161	A Vaccine against Benzimidazole-Derived New Psychoactive Substances That Are More Potent Than Fentanyl. Journal of Medicinal Chemistry, 2022, 65, 2522-2531.	2.9	7
162	A human recombinant monoclonal antibody to cocaine: Preparation, characterization and behavioral studies. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 4664-4666.	1.0	6

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163	Picolinic acids as Î²-exosite inhibitors of botulinum neurotoxin A light chain. Chemical Communications, 2016, 52, 12521-12524.	2.2	6
164	MINCR is not a MYC-induced lncRNA. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E496-7.	3.3	6
165	A bioconjugate leveraging xenoreactive antibodies to alleviate cocaine-induced behavior. Chemical Communications, 2017, 53, 8156-8159.	2.2	6
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