Dongting Zhangsun

List of Publications by Year
in descending order

54	1,058	394421	434195
papers	citations	19 h-index	31 g-index

58	58	58	679
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cloning, synthesis, and characterization of Î±O-conotoxin GeXIVA, a potent Î±9Î±10 nicotinic acetylcholine receptor antagonist. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4026-35.	7.1	91
2	A novel Î±4/7â€conotoxin LvIA from Conus lividus that selectively blocks Î±3Î²2 vs. Î±6/Î±3Î²2Î²3 nicotinic acetylcholine receptors. FASEB Journal, 2014, 28, 1842-1853.	0.5	64
3	Characterization of a Novel Î±-Conotoxin TxID from Conus textile That Potently Blocks Rat Î±3Î²4 Nicotinic Acetylcholine Receptors. Journal of Medicinal Chemistry, 2013, 56, 9655-9663.	6.4	63
4	Improved Agrobacterium-mediated genetic transformation of GNA transgenic sugarcane. Biologia (Poland), 2007, 62, 386-393.	1.5	53
5	Characterization of a Novel Î±-Conotoxin from Conus textile That Selectively Targets Î±6/Î±3Î²2Î²3 Nicotinic Acetylcholine Receptors. Journal of Biological Chemistry, 2013, 288, 894-902.	3.4	53
6	Atypical Î±-Conotoxin LtIA from Conus litteratus Targets a Novel Microsite of the Î±3Î²2 Nicotinic Receptor. Journal of Biological Chemistry, 2010, 285, 12355-12366.	3.4	49
7	A Novel Inhibitor of Î±9Î±10 Nicotinic Acetylcholine Receptors from Conus vexillum Delineates a New Conotoxin Superfamily. PLoS ONE, 2013, 8, e54648.	2.5	47
8	From crystal structure of Î±-conotoxin GIC in complex with Ac-AChBP to molecular determinants of its high selectivity for Î±3Î²2 nAChR. Scientific Reports, 2016, 6, 22349.	3.3	41
9	The Î±9Î±10 Nicotinic Acetylcholine Receptor Antagonist Î±O-Conotoxin GeXIVA[1,2] Alleviates and Reverses Chemotherapy-Induced Neuropathic Pain. Marine Drugs, 2019, 17, 265.	4.6	39
10	Anti-hypersensitive effect of intramuscular administration of Î±O-conotoxin GeXIVA[1,2] and GeXIVA[1,4] in rats of neuropathic pain. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2016, 66, 112-119.	4.8	33
11	Î±-Conotoxin [S9A]TxID Potently Discriminates between Î±3Î²4 and Î±6/Î±3Î²4 Nicotinic Acetylcholine Receptors. Journal of Medicinal Chemistry, 2017, 60, 5826-5833.	6.4	30
12	Î±O-Conotoxin GeXIVA disulfide bond isomers exhibit differential sensitivity for various nicotinic acetylcholine receptors but retain potency and selectivity for the human Î±9Î±10 subtype. Neuropharmacology, 2017, 127, 243-252.	4.1	29
13	Discovery Methodology of Novel Conotoxins from Conus Species. Marine Drugs, 2018, 16, 417.	4.6	27
14	Novel O-superfamily Conotoxins Identified by cDNA Cloning From Three Vermivorous Conus Species. Chemical Biology and Drug Design, 2006, 68, 256-265.	3.2	26
15	Influence of Disulfide Connectivity on Structure and Bioactivity of Î±-Conotoxin TxIA. Molecules, 2014, 19, 966-979.	3.8	23
16	Recombinant Expression and Characterization of Î±-Conotoxin LvIA in Escherichia coli. Marine Drugs, 2016, 14, 11.	4.6	23
17	d-Amino Acid Substitution of Î±-Conotoxin RgIA Identifies its Critical Residues and Improves the Enzymatic Stability. Marine Drugs, 2019, 17, 142.	4.6	20
18	Î±O-Conotoxin GeXIVA Inhibits the Growth of Breast Cancer Cells via Interaction with Î±9 Nicotine Acetylcholine Receptors. Marine Drugs, 2020, 18, 195.	4.6	20

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19	Optimal Cleavage and Oxidative Folding of Î±-Conotoxin TxIB as a Therapeutic Candidate Peptide. Marine Drugs, 2013, 11, 3537-3553.	4.6	19
20	Alanine-Scanning Mutagenesis of Î±-Conotoxin GI Reveals the Residues Crucial for Activity at the Muscle Acetylcholine Receptor. Marine Drugs, 2018, 16, 507.	4.6	19
21	Single Amino Acid Substitution in Î±-Conotoxin TxID Reveals a Specific Î±3Î²4 Nicotinic Acetylcholine Receptor Antagonist. Journal of Medicinal Chemistry, 2018, 61, 9256-9265.	6.4	19
22	Key Residues in the Nicotinic Acetylcholine Receptor Î²2 Subunit Contribute to Î±-Conotoxin LvIA Binding. Journal of Biological Chemistry, 2015, 290, 9855-9862.	3.4	18
23	High Selectivity of an Î±-Conotoxin LvIA Analogue for Î±3Î²2 Nicotinic Acetylcholine Receptors Is Mediated by Î²2 Functionally Important Residues. Journal of Medicinal Chemistry, 2020, 63, 13656-13668.	6.4	18
24	Differential Expression of Nicotine Acetylcholine Receptors Associates with Human Breast Cancer and Mediates Antitumor Activity of Î±O-Conotoxin GeXIVA. Marine Drugs, 2020, 18, 61.	4.6	18
25	Species specificity of rat and human Î±7 nicotinic acetylcholine receptors towards different classes of peptide and protein antagonists. Neuropharmacology, 2018, 139, 226-237.	4.1	15
26	Î±-Conotoxin TxIB: A Uniquely Selective Ligand for Î±6/Î±3Î²2Î²3 Nicotinic Acetylcholine Receptor Attenuates Nicotine-Induced Conditioned Place Preference in Mice. Marine Drugs, 2019, 17, 490.	4.6	14
27	Cervical Cancer Correlates with the Differential Expression of Nicotinic Acetylcholine Receptors and Reveals Therapeutic Targets. Marine Drugs, 2019, 17, 256.	4.6	14
28	Effects of Cyclization on Activity and Stability of Î±-Conotoxin TxIB. Marine Drugs, 2020, 18, 180.	4.6	14
29	Expression, renaturation and biological activity of recombinant conotoxin GeXIVAWT. Applied Microbiology and Biotechnology, 2013, 97, 1223-1230.	3.6	13
30	Expression and secretion of functional recombinant Î¼O-conotoxin MrVIB-His-tag in Escherichia coli. Toxicon, 2013, 72, 81-89.	1.6	13
31	Expression in Escherichia coli of fusion protein comprising Î±â€conotoxin Tx<scp>IB</scp> and preservation of selectivity to nicotinic acetylcholine receptors in the purified product. Chemical Biology and Drug Design, 2018, 91, 349-358.	3.2	13
32	Structure and Activity Studies of Disulfide-Deficient Analogues of Î±O-Conotoxin GeXIVA. Journal of Medicinal Chemistry, 2020, 63, 1564-1575.	6.4	13
33	Diversity of Conopeptides and Their Precursor Genes of Conus Litteratus. Marine Drugs, 2020, 18, 464.	4.6	11
34	Application of per-Residue Energy Decomposition to Design Peptide Inhibitors of PSD95 GK Domain. Frontiers in Molecular Biosciences, 2022, 9, 848353.	3.5	9
35	Effects of serum, enzyme, thiol, and forced degradation on the stabilities of Î±Oâ€Conotoxin GeXIVA[1,2] and GeXIVA [1,4]. Chemical Biology and Drug Design, 2018, 91, 1030-1041.	3.2	8
36	DSPE-PEG Modification of Î±-Conotoxin TxID. Marine Drugs, 2019, 17, 342.	4.6	8

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37	Novel Î±-conotoxins identified by gene sequencing from cone snails native to Hainan, and their sequence diversity. Journal of Peptide Science, 2006, 12, 693-704.	1.4	7
38	Effect of Methionine Oxidation and Substitution of Î±-Conotoxin TxID on Î±3Î²4 Nicotinic Acetylcholine Receptor. Marine Drugs, 2018, 16, 215.	4.6	7
39	Identification of Crucial Residues in Î±-Conotoxin EI Inhibiting Muscle Nicotinic Acetylcholine Receptor. Toxins, 2019, 11, 603.	3.4	7
40	Engineered Conotoxin Differentially Blocks and Discriminates Rat and Human Î±7 Nicotinic Acetylcholine Receptors. Journal of Medicinal Chemistry, 2021, 64, 5620-5631.	6.4	7
41	Efficient Expression of Acetylcholine-Binding Protein fromAplysia californicain Bac-to-Bac System. BioMed Research International, 2014, 2014, 1-9.	1.9	6
42	Inflammation Regulation via an Agonist and Antagonists of Î±7 Nicotinic Acetylcholine Receptors in RAW264.7 Macrophages. Marine Drugs, 2022, 20, 200.	4.6	6
43	Design, Synthesis, and Activity of an Î±-Conotoxin LtIA Fluorescent Analogue. ACS Chemical Neuroscience, 2021, 12, 3662-3671.	3.5	5
44	Î±-Conotoxin TxID and [S9K]TxID, Î±3Î²4 nAChR Antagonists, Attenuate Expression and Reinstatement of Nicotine-Induced Conditioned Place Preference in Mice. Marine Drugs, 2020, 18, 646.	4.6	4
45	Characterization of an Î± 4/7-Conotoxin LvIF from Conus lividus That Selectively Blocks Î±3Î²2 Nicotinic Acetylcholine Receptor. Marine Drugs, 2021, 19, 398.	4.6	4
46	Degradation kinetics of Î±â€conotoxin TxID. FEBS Open Bio, 2019, 9, 1561-1572.	2.3	3
47	Cysteine [2,4] Disulfide Bond as a New Modifiable Site of Î±-Conotoxin TxIB. Marine Drugs, 2021, 19, 119.	4.6	3
48	Î±-Conotoxin TxIB Improved Behavioral Abnormality and Changed Gene Expression in Zebrafish (Danio) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.5	3
49	Oligo-basic amino acids, potential nicotinic acetylcholine receptor inhibitors. Biomedicine and Pharmacotherapy, 2022, 152, 113215.	5.6	3
50	Synthesis and evaluation of disulfide-rich cyclic Î±-conotoxin [S9A]TxID analogues as novel Î±3Î²4 nAChR antagonists. Bioorganic Chemistry, 2021, 112, 104875.	4.1	2
51	Î±-Conotoxin TxIB Inhibits Development of Morphine-Induced Conditioned Place Preference in Mice via Blocking Î±6Î²2* Nicotinic Acetylcholine Receptors. Frontiers in Pharmacology, 2021, 12, 772990.	3.5	2
52	A Novel Î±4/7-Conotoxin QuIA Selectively Inhibits Î±3Î²2 and Î±6/Î±3Î²4 Nicotinic Acetylcholine Receptor Subtypes with High Efficacy. Marine Drugs, 2022, 20, 146.	4.6	2
53	Conotoxins and Drug Discovery With Special Reference to Hainan Species. Toxinology, 2017, , 149-187.	0.2	0
54	Conotoxins and Drug Discovery With Special Reference to Hainan Species. , 2015, , 1-39.		0