Andreas Brust

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9210716/publications.pdf

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34	937	471509 17	454955 30
papers	citations	h-index	g-index

39	39	39	1367
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Differential Evolution and Neofunctionalization of Snake Venom Metalloprotease Domains. Molecular and Cellular Proteomics, 2013, 12, 651-663.	3.8	83
2	Cone snail venomics: from novel biology to novel therapeutics. Future Medicinal Chemistry, 2014, 6, 1659-1675.	2.3	72
3	Ï‡-Conopeptide Pharmacophore Development: Toward a Novel Class of Norepinephrine Transporter Inhibitor (Xen2174) for Pain. Journal of Medicinal Chemistry, 2009, 52, 6991-7002.	6.4	70
4	High-Threshold Mechanosensitive Ion Channels Blocked by a Novel Conopeptide Mediate Pressure-Evoked Pain. PLoS ONE, 2007, 2, e515.	2.5	66
5	Sugar-derived building blocks. Part 26.Part 25. See ref. 1. Hydrophilic pyrroles, pyridazines and diazepinones from d-fructose and isomaltulose. Green Chemistry, 2001, 3, 201-209.	9.0	56
6	Isolation and characterization of Î±-conotoxin LsIA with potent activity at nicotinic acetylcholine receptors. Biochemical Pharmacology, 2013, 86, 791-799.	4.4	51
7	Phosphorylation and metabolism of sucrose and its five linkage-isomeric Î±-d-glucosyl-d-fructoses by Klebsiella pneumoniae. Carbohydrate Research, 2001, 331, 149-161.	2.3	48
8	Stabilization of the Cysteineâ€Rich Conotoxin MrIA by Using a 1,2,3â€Triazole as a Disulfide Bond Mimetic. Angewandte Chemie - International Edition, 2015, 54, 1361-1364.	13.8	45
9	Identifying Key Amino Acid Residues That Affect Î±-Conotoxin AuIB Inhibition of Î±3Î²4 Nicotinic Acetylcholine Receptors. Journal of Biological Chemistry, 2013, 288, 34428-34442.	3.4	43
10	Understanding the Molecular Basis of Toxin Promiscuity: The Analgesic Sea Anemone Peptide APETx2 Interacts with Acid-Sensing Ion Channel 3 and hERG Channels via Overlapping Pharmacophores. Journal of Medicinal Chemistry, 2014, 57, 9195-9203.	6.4	40
11	Vicinal Disulfide Constrained Cyclic Peptidomimetics: a Turn Mimetic Scaffold Targeting the Norepinephrine Transporter. Angewandte Chemie - International Edition, 2013, 52, 12020-12023.	13.8	32
12	Structural mechanisms for Î±-conotoxin activity at the human Î±3Î²4 nicotinic acetylcholine receptor. Scientific Reports, 2017, 7, 45466.	3.3	29
13	Conopeptide-Derived Î¹-Opioid Agonists (Conorphins): Potent, Selective, and Metabolic Stable Dynorphin A Mimetics with Antinociceptive Properties. Journal of Medicinal Chemistry, 2016, 59, 2381-2395.	6.4	28
14	High-throughput synthesis of conopeptides: a safety-catch linker approach enabling disulfide formation in 96-well format. Journal of Peptide Science, 2007, 13, 133-141.	1.4	26
15	Conopeptide Ï•TIA Defines a New Allosteric Site on the Extracellular Surface of the Î±1B-Adrenoceptor. Journal of Biological Chemistry, 2013, 288, 1814-1827.	3.4	23
16	Discovery and mode of action of a novel analgesic Î²-toxin from the African spider Ceratogyrus darlingi. PLoS ONE, 2017, 12, e0182848.	2.5	22
17	Cyclisation Increases the Stability of the Sea Anemone Peptide APETx2 but Decreases Its Activity at Acid-Sensing Ion Channel 3. Marine Drugs, 2012, 10, 1511-1527.	4.6	19
18	Biosynthetic pathways to dichloroimines; precursor incorporation studies on terpene metabolites in the tropical marine sponge Stylotella aurantium. Organic and Biomolecular Chemistry, 2004, 2, 949-956.	2.8	18

#	Article	IF	Citations
19	Functional characterization on invertebrate and vertebrate tissues of tachykinin peptides from octopus venoms. Peptides, 2013, 47, 71-76.	2.4	18
20	Activation of Î¹ Opioid Receptors in Cutaneous Nerve Endings by Conorphin-1, a Novel Subtype-Selective Conopeptide, Does Not Mediate Peripheral Analgesia. ACS Chemical Neuroscience, 2015, 6, 1751-1758.	3.5	17
21	Advanced precursors in marine biosynthetic study. Part 3: The biosynthesis of dichloroimines in the tropical marine sponge Stylotella aurantium. Tetrahedron Letters, 2003, 44, 327-330.	1.4	15
22	Evaluation of COMU as a coupling reagent for in situ neutralization Boc solid phase peptide synthesis. Journal of Peptide Science, 2012, 18, 199-207.	1.4	14
23	Conversion of reducing carbohydrates into hydrophilic substituted imidazoles. Green Chemistry, 2013, 15, 2993.	9.0	14
24	Facile conversion of glycosyloxymethyl-furfural into Î³-keto-carboxylic acid building blocks towards a sustainable chemical industry. Green Chemistry, 2013, 15, 1368.	9.0	14
25	Vampire Venom: Vasodilatory Mechanisms of Vampire Bat (Desmodus rotundus) Blood Feeding. Toxins, 2019, 11, 26.	3.4	11
26	Vicinal Disulfide Constrained Cyclic Peptidomimetics: a Turn Mimetic Scaffold Targeting the Norepinephrine Transporter. Angewandte Chemie, 2013, 125, 12242-12245.	2.0	9
27	Reducing disaccharides and their 1,2-dicarbonyl intermediates as building blocks for nitrogen heterocycles. RSC Advances, 2014, 4, 5759.	3.6	8
28	Inhibition of the norepinephrine transporter by Ï‡â€¢conotoxin dendrimers. Journal of Peptide Science, 2016, 22, 280-289.	1.4	8
29	ERK and mTORC1 Inhibitors Enhance the Anti-Cancer Capacity of the Octpep-1 Venom-Derived Peptide in Melanoma BRAF(V600E) Mutations. Toxins, 2021, 13, 146.	3.4	7
30	Highâ€Throughput Synthesis of Peptide Î±â€Thioesters: A Safety Catch Linker Approach Enabling Parallel Hydrogen Fluoride Cleavage. ChemMedChem, 2014, 9, 1038-1046.	3.2	6
31	â€˜Messyâ€™ Processing of Ï‡-conotoxin MrIA Generates Homologues with Reduced hNET Potency. Marine Drugs, 2019, 17, 165.	4.6	6
32	Benzhydrylamine linker grafting: a strategy for the improved synthesis of Câ€terminal peptide amides. Journal of Peptide Science, 2010, 16, 551-557.	1.4	4
33	The Î±1-adrenoceptor inhibitor Ï•TIA facilitates net hunting in piscivorous Conus tulipa. Scientific Reports, 2019, 9, 17841.	3.3	4
34	Differential Evolution and Neofunctionalization of Snake Venom Metalloprotease Domains. Molecular and Cellular Proteomics, 2013, 12, 1488.	3.8	1