Andreas Brust

List of Publications by Year
in descending order

34 papers	937 citations	535685 17 h-index	511568 30 g-index
39 all docs	39 docs citations	39 times ranked	1492 citing authors

#	Article	IF	Citations
1	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.	1.5	7
2	Vampire Venom: Vasodilatory Mechanisms of Vampire Bat (Desmodus rotundus) Blood Feeding. Toxins, 2019, 11, 26.	1.5	11
3	â€˜Messyâ€™ Processing of Ï‡-conotoxin MrIA Generates Homologues with Reduced hNET Potency. Marine Drugs, 2019, 17, 165.	2.2	6
4	The Î±1-adrenoceptor inhibitor Ï•TIA facilitates net hunting in piscivorous Conus tulipa. Scientific Reports, 2019, 9, 17841.	1.6	4
5	Structural mechanisms for Î±-conotoxin activity at the human Î±3Î²4 nicotinic acetylcholine receptor. Scientific Reports, 2017, 7, 45466.	1.6	29
6	Discovery and mode of action of a novel analgesic Î²-toxin from the African spider Ceratogyrus darlingi. PLoS ONE, 2017, 12, e0182848.	1.1	22
7	Inhibition of the norepinephrine transporter by Ï‡â€conotoxin dendrimers. Journal of Peptide Science, 2016, 22, 280-289.	0.8	8
8	Conopeptide-Derived Îº-Opioid Agonists (Conorphins): Potent, Selective, and Metabolic Stable Dynorphin A Mimetics with Antinociceptive Properties. Journal of Medicinal Chemistry, 2016, 59, 2381-2395.	2.9	28
9	Activation of Îº 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.	1.7	17
10	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.	7.2	45
11	Cone snail venomics: from novel biology to novel therapeutics. Future Medicinal Chemistry, 2014, 6, 1659-1675.	1.1	72
12	Highâ€Throughput Synthesis of Peptide Î±â€Thioesters: A Safety Catch Linker Approach Enabling Parallel Hydrogen Fluoride Cleavage. ChemMedChem, 2014, 9, 1038-1046.	1.6	6
13	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.	2.9	40
14	Reducing disaccharides and their 1,2-dicarbonyl intermediates as building blocks for nitrogen heterocycles. RSC Advances, 2014, 4, 5759.	1.7	8
15	Conversion of reducing carbohydrates into hydrophilic substituted imidazoles. Green Chemistry, 2013, 15, 2993.	4.6	14
16	Vicinal Disulfide Constrained Cyclic Peptidomimetics: a Turn Mimetic Scaffold Targeting the Norepinephrine Transporter. Angewandte Chemie - International Edition, 2013, 52, 12020-12023.	7.2	32
17	Facile conversion of glycosyloxymethyl-furfural into Î³-keto-carboxylic acid building blocks towards a sustainable chemical industry. Green Chemistry, 2013, 15, 1368.	4.6	14
18	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.	1.6	43

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19	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.	1.6	23
20	Functional characterization on invertebrate and vertebrate tissues of tachykinin peptides from octopus venoms. Peptides, 2013, 47, 71-76.	1.2	18
21	Isolation and characterization of Î±-conotoxin LsIA with potent activity at nicotinic acetylcholine receptors. Biochemical Pharmacology, 2013, 86, 791-799.	2.0	51
22	Differential Evolution and Neofunctionalization of Snake Venom Metalloprotease Domains. Molecular and Cellular Proteomics, 2013, 12, 651-663.	2.5	83
23	Differential Evolution and Neofunctionalization of Snake Venom Metalloprotease Domains. Molecular and Cellular Proteomics, 2013, 12, 1488.	2.5	1
24	Vicinal Disulfide Constrained Cyclic Peptidomimetics: a Turn Mimetic Scaffold Targeting the Norepinephrine Transporter. Angewandte Chemie, 2013, 125, 12242-12245.	1.6	9
25	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.	2.2	19
26	Evaluation of COMU as a coupling reagent for <i>in situ</i> neutralization Boc solid phase peptide synthesis. Journal of Peptide Science, 2012, 18, 199-207.	0.8	14
27	Benzhydrylamine linker grafting: a strategy for the improved synthesis of <i>C</i>â€‘terminal peptide amides. Journal of Peptide Science, 2010, 16, 551-557.	0.8	4
28	Ï‡-Conopeptide Pharmacophore Development: Toward a Novel Class of Norepinephrine Transporter Inhibitor (Xen2174) for Pain. Journal of Medicinal Chemistry, 2009, 52, 6991-7002.	2.9	70
29	High-Threshold Mechanosensitive Ion Channels Blocked by a Novel Conopeptide Mediate Pressure-Evoked Pain. PLoS ONE, 2007, 2, e515.	1.1	66
30	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.	0.8	26
31	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.	1.5	18
32	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.	0.7	15
33	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.	4.6	56
34	Phosphorylation and metabolism of sucrose and its five linkage-isomeric Î±-d-glucosyl-d-fructoses by Klebsiella pneumoniae. Carbohydrate Research, 2001, 331, 149-161.	1.1	48