

Dominique Bonnet

List of Publications by Year in descending order

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218381

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#	ARTICLE	IF	CITATIONS
1	Functional Rescue of a Nephrogenic Diabetes Insipidus Causing Mutation in the V2 Vasopressin Receptor by Specific Antagonist and Agonist Pharmacochaperones. <i>Frontiers in Pharmacology</i> , 2022, 13, 811836.	1.6	6
2	Self-Organization Properties of a GPCR-Binding Peptide with a Fluorinated Tail Studied by Fluorine NMR Spectroscopy. <i>ChemBioChem</i> , 2021, 22, 657-661.	1.3	3
3	Nile Red-Based GPCR Ligands as Ultrasensitive Probes of the Local Lipid Microenvironment of the Receptor. <i>ACS Chemical Biology</i> , 2021, 16, 651-660.	1.6	12
4	LIT01-196, a Metabolically Stable Apelin-17 Analog, Normalizes Blood Pressure in Hypertensive DOCA-Salt Rats via a NO Synthase-dependent Mechanism. <i>Frontiers in Pharmacology</i> , 2021, 12, 715095.	1.6	6
5	A metabolically stable apelin-17 analog decreases AVP-induced antidiuresis and improves hyponatremia. <i>Nature Communications</i> , 2021, 12, 305.	5.8	15
6	A Selective Neutraligand for CXCL12/SDF-1 α With Beneficial Regulatory Functions in MRL/Lpr Lupus Prone Mice. <i>Frontiers in Pharmacology</i> , 2021, 12, 752194.	1.6	3
7	Neutralization of CXCL12 attenuates established pulmonary hypertension in rats. <i>Cardiovascular Research</i> , 2020, 116, 686-697.	1.8	54
8	Endocyclic Enamides Derived from Aza-Diketopiperazines as Olefin Partners in Povarov Reaction: An Access to Tetracyclic Heterocycles. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 7385-7395.	1.2	4
9	A near-infrared fluorogenic dimer enables background-free imaging of endogenous GPCRs in living mice. <i>Chemical Science</i> , 2020, 11, 6824-6829.	3.7	15
10	Pharmacological tools to mobilise mesenchymal stromal cells into the blood promote bone formation after surgery. <i>Npj Regenerative Medicine</i> , 2020, 5, 3.	2.5	6
11	Three cheers for nitrogen: aza-DKPs, the aza analogues of 2,5-diketopiperazines. <i>RSC Advances</i> , 2020, 10, 43358-43370.	1.7	3
12	Chemoselective Acylation of Hydrazinopeptides to Access Fluorescent Probes for Time-Resolved FRET Assays on GPCRs. <i>Methods in Molecular Biology</i> , 2019, 1947, 137-147.	0.4	0
13	Time-Resolved FRET-Based Assays to Characterize G Protein-Coupled Receptor Hetero-oligomer Pharmacology. <i>Methods in Molecular Biology</i> , 2019, 1947, 151-168.	0.4	3
14	From the Promiscuous Asenapine to Potent Fluorescent Ligands Acting at a Series of Aminergic G-Protein-Coupled Receptors. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 174-188.	2.9	13
15	Versatile Synthetic Approach for Selective Diversification of Bicyclic Aza-Diketopiperazines. <i>ACS Omega</i> , 2018, 3, 15182-15192.	1.6	4
16	LIT-001, the First Nonpeptide Oxytocin Receptor Agonist that Improves Social Interaction in a Mouse Model of Autism. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 8670-8692.	2.9	33
17	Discovery of a Locally and Orally Active CXCL12 Neutraligand (LIT-927) with Anti-inflammatory Effect in a Murine Model of Allergic Airway Hypereosinophilia. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 7671-7686.	2.9	26
18	Comparative Study of the Synthesis and Structural and Physicochemical Properties of Diketopiperazines vs Aza-diketopiperazines. <i>Journal of Organic Chemistry</i> , 2017, 82, 3239-3244.	1.7	7

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19	A Time-Resolved FRET Cell-Based Binding Assay for the Apelin Receptor. <i>ChemMedChem</i> , 2017, 12, 925-931.	1.6	10
20	Development of original metabolically stable apelin ¹⁻⁷ analogs with diuretic and cardiovascular effects. <i>FASEB Journal</i> , 2017, 31, 687-700.	0.2	48
21	Two distinct CXCR4 antagonists mobilize progenitor cells in mice by different mechanisms. <i>Blood Advances</i> , 2017, 1, 1934-1943.	2.5	19
22	Decreased Migration of Dendritic Cells into the Jugular-Nodose Ganglia by the CXCL12 Neutraligand Chalcone 4 in Ovalbumin-Sensitized Asthmatic Mice. <i>NeuroImmunoModulation</i> , 2017, 24, 331-340.	0.9	6
23	Neutralization of CXCL12 reverses established pulmonary hypertension in the sugen-hypoxia rat model. , 2017, , .		0
24	Convenient Access to Fluorescent Probes by Chemoselective Acylation of Hydrazinopeptides: Application to the Synthesis of the First Far-Red Ligand for Apelin Receptor Imaging. <i>Chemistry - A European Journal</i> , 2016, 22, 1399-1405.	1.7	9
25	A step-economical multicomponent synthesis of 3D-shaped aza-diketopiperazines and their drug-like chemical space analysis. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 8859-8863.	1.5	9
26	Push-pull dioxaborine as fluorescent molecular rotor: far-red fluorogenic probe for ligand-receptor interactions. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3002-3009.	2.7	77
27	A strategy to discover decoy chemokine ligands with an anti-inflammatory activity. <i>Scientific Reports</i> , 2015, 5, 14746.	1.6	22
28	Increasing cellular immunogenicity to peptide-based vaccine candidates using a fluorocarbon antigen delivery system. <i>Vaccine</i> , 2015, 33, 1071-1076.	1.7	5
29	Selective Nonpeptidic Fluorescent Ligands for Oxytocin Receptor: Design, Synthesis, and Application to Time-Resolved FRET Binding Assay. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 2547-2552.	2.9	19
30	Squaraine as a bright, stable and environment-sensitive far-red label for receptor-specific cellular imaging. <i>Chemical Communications</i> , 2015, 51, 2960-2963.	2.2	47
31	New Fluorescein Precursors for Live Bacteria Detection. <i>Analytical Chemistry</i> , 2015, 87, 8858-8866.	3.2	27
32	Fluorogenic Squaraine Dimers with Polarity-Sensitive Folding As Bright Far-Red Probes for Background-Free Bioimaging. <i>Journal of the American Chemical Society</i> , 2015, 137, 405-412.	6.6	87
33	Time-Resolved FRET Binding Assay to Investigate Hetero-Oligomer Binding Properties: Proof of Concept with Dopamine D ₁ /D ₃ Heterodimer. <i>ACS Chemical Biology</i> , 2015, 10, 466-474.	1.6	39
34	Red Fluorescent Turn-On Ligands for Imaging and Quantifying G Protein-Coupled Receptors in Living Cells. <i>ChemBioChem</i> , 2014, 15, 359-363.	1.3	47
35	Diastereoselective synthesis of novel aza-diketopiperazines <i>via</i> a domino cyclohydrocarbonylation/addition process. <i>Chemical Communications</i> , 2014, 50, 9657-9660.	2.2	15
36	Structure-Activity Relationship Studies toward the Discovery of Selective Apelin Receptor Agonists. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 2908-2919.	2.9	27

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37	Exploration of the Orthosteric/Allosteric Interface in Human M1 Muscarinic Receptors by Bitopic Fluorescent Ligands. <i>Molecular Pharmacology</i> , 2013, 84, 71-85.	1.0	24
38	An Antedrug of the CXCL12 Neutraligand Blocks Experimental Allergic Asthma without Systemic Effect in Mice. <i>Journal of Biological Chemistry</i> , 2013, 288, 11865-11876.	1.6	32
39	Prodrugs of a CXC Chemokine-12 (CXCL12) Neutraligand Prevent Inflammatory Reactions in an Asthma Model in Vivo. <i>ACS Medicinal Chemistry Letters</i> , 2012, 3, 10-14.	1.3	26
40	Fluorescent Derivatives of AC-42 To Probe Bitopic Orthosteric/Allosteric Binding Mechanisms on Muscarinic M1 Receptors. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 2125-2143.	2.9	33
41	Selective Fluorescent Nonpeptidic Antagonists For Vasopressin V ₂ GPCR: Application To Ligand Screening and Oligomerization Assays.. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 8588-8602.	2.9	52
42	Proper desensitization of CXCR4 is required for lymphocyte development and peripheral compartmentalization in mice. <i>Blood</i> , 2012, 119, 5722-5730.	0.6	105
43	Involvement of the TGF β 2 pathway in the regulation of α 5 β 1 integrins by caveolin-1 in human glioblastoma. <i>International Journal of Cancer</i> , 2012, 131, 601-611.	2.3	29
44	Combinatorial Aid for Underprivileged Scaffolds: Solution and Solid-phase Strategies for a Rapid and Efficient Access To Novel Aza-diketopiperazines (Aza-DKP). <i>ACS Combinatorial Science</i> , 2012, 14, 323-334.	3.8	26
45	Identification and pharmacological properties of E339 α 3D6, the first nonpeptidic apelin receptor agonist. <i>FASEB Journal</i> , 2010, 24, 1506-1517.	0.2	95
46	Neutralizing endogenous chemokines with small molecules. , 2010, 126, 39-55.		28
47	α 5 β 1 integrin antagonists reduce chemotherapy-induced premature senescence and facilitate apoptosis in human glioblastoma cells. <i>International Journal of Cancer</i> , 2010, 127, 1240-1248.	2.3	65
48	Homodimerization of the Death-Associated Protein Kinase Catalytic Domain: Development of a New Small Molecule Fluorescent Reporter. <i>PLoS ONE</i> , 2010, 5, e14120.	1.1	12
49	Biased Agonist Pharmacochaperones of the AVP V2 Receptor May Treat Congenital Nephrogenic Diabetes Insipidus. <i>Journal of the American Society of Nephrology: JASN</i> , 2009, 20, 2190-2203.	3.0	93
50	Solid-Phase Organic Tagging Resins for Labeling Biomolecules by 1,3-Dipolar Cycloaddition: Application to the Synthesis of a Fluorescent Nonpeptidic Vasopressin Receptor Ligand. <i>Chemistry - A European Journal</i> , 2008, 14, 6247-6254.	1.7	26
51	Small Neutralizing Molecules to Inhibit Actions of the Chemokine CXCL12. <i>Journal of Biological Chemistry</i> , 2008, 283, 23189-23199.	1.6	85
52	Convenient Method To Access New 4,4-Dialkoxy- and 4,4-Diaryloxy-diaza-s-indacene Dyes: Synthesis and Spectroscopic Evaluation. <i>Journal of Organic Chemistry</i> , 2007, 72, 269-272.	1.7	152
53	Solid-Phase Preparation of a Pilot Library Derived from the 2,3,4,5-Tetrahydro-1H-benzo[b]azepin-5-amine Scaffold. <i>ACS Combinatorial Science</i> , 2007, 9, 487-500.	3.3	33
54	A Rapid and Versatile Method to Label Receptor Ligands Using Click-Chemistry: Validation with the Muscarinic M1 Antagonist Pirenzepine. <i>Bioconjugate Chemistry</i> , 2006, 17, 1618-1623.	1.8	36

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55	Use of a fluorescent polarization based high throughput assay to identify new Calmodulin ligands. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2006, 1763, 1250-1255.	1.9	18
56	Effect of Glycoamphiphiles on the Solubilization and Dendritic Cell Uptake of a Lipopeptide: A Preliminary Study. <i>Molecular Pharmaceutics</i> , 2005, 2, 420-427.	2.3	2
57	Efficient preparation of carbohydrate- and related polyol-amphiphiles by hydrazone ligation. <i>Tetrahedron Letters</i> , 2004, 45, 3451-3454.	0.7	7
58	Solid-Phase Functionalization of Peptides by an α -Hydrazinoacetyl Group. <i>Journal of Organic Chemistry</i> , 2003, 68, 7033-7040.	1.7	31
59	Simultaneous Lipidation of a Characterized Peptide Mixture by Chemoselective Ligation. <i>Bioconjugate Chemistry</i> , 2003, 14, 494-499.	1.8	25
60	Solid-Phase Synthesis of Tetrahydro- β -carbolinehydantoins via the N-Acyliminium Pictet-Spengler Reaction and Cyclative Cleavage. <i>ACS Combinatorial Science</i> , 2002, 4, 546-548.	3.3	50
61	Chemoselective Acylation of Fully Deprotected Hydrazino Acetyl Peptides. Application to the Synthesis of Lipopeptides. <i>Journal of Organic Chemistry</i> , 2001, 66, 443-449.	1.7	30
62	Synthesis by Chemoselective Ligation and Biological Evaluation of Novel Cell-Permeable PKC- α Pseudosubstrate Lipopeptides. <i>Journal of Medicinal Chemistry</i> , 2001, 44, 468-471.	2.9	14
63	Synthesis of an amphiphilic aldehyde using as a key step the condensation of a lipophilic glyoxylic acid amide derivative with tris(hydroxymethyl)aminomethane. <i>Tetrahedron Letters</i> , 2001, 42, 1875-1877.	0.7	10
64	A novel lipophilic glyoxylic acid derivative for the lipidation of peptides using salt-free hydrazone ligation. <i>Tetrahedron Letters</i> , 2000, 41, 10003-10007.	0.7	14
65	Chemoselective acylation of hydrazinopeptides: a novel and mild method for the derivatization of peptides with sensitive fatty acids. <i>Tetrahedron Letters</i> , 2000, 41, 45-48.	0.7	19
66	A novel and mild solid phase hydroperoxydeamination reaction. <i>Tetrahedron Letters</i> , 1999, 40, 7315-7318.	0.7	12
67	Synthesis of hydrazinopeptides using solid-phase N -electrophilic amination: extension to the Fmoc/tert -butyl strategy and chemistry of the N-N bond in strong acid media. <i>Chemical Biology and Drug Design</i> , 1999, 54, 270-278.	1.2	17
68	Reactivity of Lys(NH ₂)-containing peptides toward endopeptidases. , 1999, 5, 352-359.		5
69	Inhibition of farnesyl protein transferase by new farnesyl phosphonate derivatives of phenylalanine. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1996, 6, 1291-1296.	1.0	11