Michael P Blanton

List of Publications by Year
in descending order

31 papers	1,410 citations	361413 20 h-index	434195 31 g-index
31 all docs	31 docs citations	31 times ranked	687 citing authors

#	Article	IF	Citations
1	Identifying the Lipid-Protein Interface of the Torpedo Nicotinic Acetylcholine Receptor: Secondary Structure Implications. Biochemistry, 1994, 33, 2859-2872.	2.5	221
2	Mapping the lipid-exposed regions in the Torpedo californica nicotinic acetylcholine receptor. Biochemistry, 1992, 31, 3738-3750.	2.5	149
3	Lipid-Protein Interactions at the Nicotinic Acetylcholine Receptor. Journal of Biological Chemistry, 2002, 277, 201-208.	3.4	108
4	Cholesterol Interacts with Transmembrane Î±-Helices M1, M3, and M4 of theTorpedoNicotinic Acetylcholine Receptor:Â Photolabeling Studies Using [3H]Azicholesterolâ€. Biochemistry, 2006, 45, 976-986.	2.5	79
5	Identifying the cholesterol binding domain in the nicotinic acetylcholine receptor with [125I]azido-cholesterol. Biochimica Et Biophysica Acta - Biomembranes, 1998, 1414, 65-74.	2.6	72
6	Secondary Structure Analysis of Individual Transmembrane Segments of the Nicotinic Acetylcholine Receptor by Circular Dichroism and Fourier Transform Infrared Spectroscopy. Journal of Biological Chemistry, 1998, 273, 771-777.	3.4	72
7	Assessing the Lipid Requirements of theTorpedo californicaNicotinic Acetylcholine Receptorâ€. Biochemistry, 2006, 45, 4327-4337.	2.5	68
8	Topography of Nicotinic Acetylcholine Receptor Membrane-embedded Domains. Journal of Biological Chemistry, 2000, 275, 37333-37339.	3.4	65
9	The Steroid Promegestone Is a Noncompetitive Antagonist of theTorpedoNicotinic Acetylcholine Receptor that Interacts with the Lipid-Protein Interface. Molecular Pharmacology, 1999, 55, 269-278.	2.3	58
10	Probing the Structure of the Nicotinic Acetylcholine Receptor Ion Channel with the Uncharged Photoactivable Compound [3H]Diazofluorene. Journal of Biological Chemistry, 1998, 273, 8659-8668.	3.4	57
11	Conformation-dependent hydrophobic photolabeling of the nicotinic receptor: Electrophysiology-coordinated photochemistry and mass spectrometry. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 13054-13059.	7.1	52
12	Probing the Structure of the Nicotinic Acetylcholine Receptor with the Hydrophobic Photoreactive Probes [125I]TID-BE and [125I]TIDPC/16â€. Biochemistry, 1998, 37, 14545-14555.	2.5	38
13	Noncompetitive Antagonist Binding Sites in the Torpedo Nicotinic Acetylcholine Receptor Ion Channel. Structureâ"Activity Relationship Studies Using Adamantane Derivatives. Biochemistry, 2003, 42, 7358-7370.	2.5	38
14	Structural Sensitivity of a Prokaryotic Pentameric Ligand-gated Ion Channel to Its Membrane Environment. Journal of Biological Chemistry, 2013, 288, 11294-11303.	3.4	34
15	Structure of the Pore-forming Transmembrane Domain of a Ligand-gated Ion Channel. Journal of Biological Chemistry, 2001, 276, 23726-23732.	3.4	33
16	Probing the Structure of the Affinity-Purified and Lipid-Reconstituted Torpedo Nicotinic Acetylcholine Receptor. Biochemistry, 2008, 47, 12787-12794.	2.5	33
17	Allosterically linked noncompetitive antagonist binding sites in the resting nicotinic acetylcholine receptor ion channel. Archives of Biochemistry and Biophysics, 2002, 403, 121-131.	3.0	24
18	Identifying the binding site(s) for antidepressants on the Torpedo nicotinic acetylcholine receptor: [3H]2-azidoimipramine photolabeling and molecular dynamics studies. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 2690-2699.	2.6	24

#	Article	IF	Citations
19	Bupropion Binds to Two Sites in theTorpedoNicotinic Acetylcholine Receptor Transmembrane Domain: A Photoaffinity Labeling Study with the Bupropion Analogue [125I]-SADU-3-72. Biochemistry, 2012, 51, 2425-2435.	2.5	24
20	A Conformational Intermediate between the Resting and Desensitized States of the Nicotinic Acetylcholine Receptor. Journal of Biological Chemistry, 2001, 276, 4796-4803.	3.4	21
21	Examining the Noncompetitive Antagonist-binding Site in the Ion Channel of the Nicotinic Acetylcholine Receptor in the Resting State. Journal of Biological Chemistry, 2000, 275, 3469-3478.	3.4	18
22	Characterization of the Dizocilpine Binding Site on the Nicotinic Acetylcholine Receptor. Molecular Pharmacology, 2001, 59, 1051-1060.	2.3	17
23	Identifying the Lipidâ^'Protein Interface of the Î±4Î²2 Neuronal Nicotinic Acetylcholine Receptor:â€‰Hydrophobic Photolabeling Studies with 3-(Trifluoromethyl)-3-(m-[¹²⁵I]iodophenyl)diazirine. Biochemistry, 2007, 46, 13837-13846.	2.5	17
24	Unique general anesthetic binding sites within distinct conformational states of the nicotinic acetylcholine receptor. International Review of Neurobiology, 2003, 54, 1-50.	2.0	16
25	Localization of regions of the Torpedo californica nicotinic acetylcholine receptor labeled with an aryl azide derivative of phosphatidylserine. Biochimica Et Biophysica Acta - Biomembranes, 1991, 1067, 1-8.	2.6	14
26	Identification and characterization of membrane-associated polypeptides in Torpedo nicotinic acetylcholine receptor-rich membranes by hydrophobic photolabeling. Biochimica Et Biophysica Acta - Biomembranes, 2001, 1512, 215-224.	2.6	14
27	[3H]Epibatidine Photolabels Non-equivalent Amino Acids in the Agonist Binding Site of Torpedo and Î±4Î²2 Nicotinic Acetylcholine Receptors. Journal of Biological Chemistry, 2009, 284, 24939-24947.	3.4	12
28	Identifying the Lipidâ^'Protein Interface and Transmembrane Structural Transitions of the Torpedo Na,K-ATPase Using Hydrophobic Photoreactive Probes. Biochemistry, 2000, 39, 13534-13544.	2.5	10
29	(Â±)-2-(N-tert-Butylamino)-3â€²-[125I]-iodo-4â€²-azidopropiophenone: A dopamine transporter and nicotinic acetylcholine receptor photoaffinity ligand based on bupropion (Wellbutrin, Zyban). Bioorganic and Medicinal Chemistry Letters, 2012, 22, 523-526.	2.2	10
30	Structural characterization and agonist binding to human Î±4Î²2 nicotinic receptors. Biochemical and Biophysical Research Communications, 2011, 407, 456-460.	2.1	7
31	Biososteric Replacement in the Design and Synthesis of Ligands for Nicotinic Acetylcholine Receptors. Medicinal Chemistry Research, 2005, 14, 241-259.	2.4	5