

Edward J Bertaccini

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6731892/publications.pdf>

Version: 2024-02-01

28
papers

998
citations

623734

14
h-index

526287

27
g-index

60
all docs

60
docs citations

60
times ranked

829
citing authors

#	ARTICLE	IF	CITATIONS
1	Anesthetics and Ion Channels: Molecular Models and Sites of Action. Annual Review of Pharmacology and Toxicology, 2001, 41, 23-51.	9.4	231
2	Evidence for a Common Binding Cavity for Three General Anesthetics within the GABA _A Receptor. Journal of Neuroscience, 2001, 21, RC136-RC136.	3.6	220
3	Microsecond Simulations Indicate that Ethanol Binds between Subunits and Could Stabilize an Open-State Model of a Glycine Receptor. Biophysical Journal, 2011, 100, 1642-1650.	0.5	72
4	Evidence that ethanol acts on a target in Loop 2 of the extracellular domain of $\alpha 1$ glycine receptors. Journal of Neurochemistry, 2007, 102, 2097-2109.	3.9	58
5	Structural Models of Ligand-Gated Ion Channels: Sites of Action for Anesthetics and Ethanol. Alcoholism: Clinical and Experimental Research, 2014, 38, 595-603.	2.4	47
6	The Common Chemical Motifs Within Anesthetic Binding Sites. Anesthesia and Analgesia, 2007, 104, 318-324.	2.2	45
7	Homology Modeling of a Human Glycine Alpha 1 Receptor Reveals a Plausible Anesthetic Binding Site. Journal of Chemical Information and Modeling, 2005, 45, 128-135.	5.4	36
8	Molecular Mechanism for the Dual Alcohol Modulation of Cys-loop Receptors. PLoS Computational Biology, 2012, 8, e1002710.	3.2	35
9	Assessment of Homology Templates and an Anesthetic Binding Site within the $\beta 3$ -Aminobutyric Acid Receptor. Anesthesiology, 2013, 119, 1087-1095.	2.5	33
10	Normal-Mode Analysis of the Glycine Alpha1 Receptor by Three Separate Methods. Journal of Chemical Information and Modeling, 2007, 47, 1572-1579.	5.4	32
11	Modeling Anesthetic Binding Sites within the Glycine Alpha One Receptor Based on Prokaryotic Ion Channel Templates: The Problem with TM4. Journal of Chemical Information and Modeling, 2010, 50, 2248-2255.	5.4	24
12	Molecular Modeling of a Tandem Two Pore Domain Potassium Channel Reveals a Putative Binding Site for General Anesthetics. ACS Chemical Neuroscience, 2014, 5, 1246-1252.	3.5	19
13	Roles for Loop 2 Residues of $\alpha 1$ Glycine Receptors in Agonist Activation. Journal of Biological Chemistry, 2008, 283, 27698-27706.	3.4	17
14	Molecular Modeling and Mutagenesis Reveals a Tetradentate Binding Site for Zn ²⁺ in GABA _A $\alpha 2$ Receptors and Provides a Structural Basis for the Modulating Effect of the $\beta 3$ Subunit. Journal of Chemical Information and Modeling, 2008, 48, 344-349.	5.4	16
15	Effect of Cobratoxin Binding on the Normal Mode Vibration within Acetylcholine Binding Protein. Journal of Chemical Information and Modeling, 2008, 48, 855-860.	5.4	14
16	The Role of the Hydroxyl Group in Propofol-Protein Target Recognition: Insights from ONIOM Studies. Journal of Physical Chemistry B, 2017, 121, 5883-5896.	2.6	14
17	A newly developed anesthetic based on a unique chemical core. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 15706-15715.	7.1	14
18	Identification of an Inhibitory Alcohol Binding Site in GABA _A Receptors. ACS Chemical Neuroscience, 2016, 7, 100-108.	3.5	12

#	ARTICLE	IF	CITATIONS
19	The Molecular Mechanisms of Anesthetic Action: Updates and Cutting Edge Developments from the Field of Molecular Modeling. <i>Pharmaceuticals</i> , 2010, 3, 2178-2196.	3.8	11
20	Teaching an Old GABA Receptor New Tricks. <i>Anesthesia and Analgesia</i> , 2012, 115, 270-273.	2.2	11
21	Insights into the Nature of Anesthetic-Protein Interactions: An ONIOM Study. <i>Journal of Physical Chemistry B</i> , 2015, 119, 12771-12782.	2.6	8
22	Normal Mode Gating Motions of a Ligand-Gated Ion Channel Persist in a Fully Hydrated Lipid Bilayer Model. <i>ACS Chemical Neuroscience</i> , 2010, 1, 552-558.	3.5	7
23	Invasive Mechanical Ventilation in California Over 2000-2009: Implications for Emergency Medicine. <i>Western Journal of Emergency Medicine</i> , 2015, 16, 696-706.	1.1	6
24	Evaluation of forcefields for molecular mechanics/dynamics calculations involving halogenated anesthetics. <i>Toxicology Letters</i> , 1998, 100-101, 413-419.	0.8	5
25	Insights Into Receptor-Based Anesthetic Pharmacophores and Anesthetic-Protein Interactions. <i>Methods in Enzymology</i> , 2018, 602, 77-95.	1.0	5
26	Modulation of γ -GABA _A receptors expressed in <i>X. laevis</i> oocytes using a propofol photoswitch tethered to the transmembrane helix. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	4
27	Induced changes in protein receptors conferring resistance to anesthetics. <i>Current Opinion in Anaesthesiology</i> , 2012, 25, 405-410.	2.0	2
28	Homology Modeling of a Human Glycine Alpha 1 Receptor Reveals a Plausible Anesthetic Binding Site.. <i>ChemInform</i> , 2005, 36, no.	0.0	0