

Roderic G Eckenhoff

List of Publications by Year in descending order

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Version: 2024-02-01

186
papers

6,799
citations

76031

42
h-index

87275

74
g-index

255
all docs

255
docs citations

255
times ranked

5451
citing authors

#	ARTICLE	IF	CITATIONS
1	Alzheimer's Dementia After Exposure to Anesthesia and Surgery in the Elderly. <i>Annals of Surgery</i> , 2022, 276, e377-e385.	2.1	6
2	Risk of Parkinson's disease after anaesthesia and surgery. <i>British Journal of Anaesthesia</i> , 2022, , .	1.5	0
3	Association Between Exposure to General Versus Regional Anesthesia and Risk of Dementia in Older Adults. <i>Journal of the American Geriatrics Society</i> , 2021, 69, 58-67.	1.3	13
4	Improving perioperative brain health: an expert consensus review of key actions for the perioperative care team. <i>British Journal of Anaesthesia</i> , 2021, 126, 423-432.	1.5	78
5	Ketamine Metabolite (2 <i>R</i> ,6 <i>R</i>)-Hydroxynorketamine Interacts with μ and δ Opioid Receptors. <i>ACS Chemical Neuroscience</i> , 2021, 12, 1487-1497.	1.7	13
6	Regulation and drug modulation of a voltage-gated sodium channel: Pivotal role of the S4-S5 linker in activation and slow inactivation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	12
7	Anesthetic Effects on the Progression of Parkinson Disease in the Rat DJ-1 Model. <i>Anesthesia and Analgesia</i> , 2021, 133, 1140-1151.	1.1	1
8	Binding Sites and the Mechanism of Action of Propofol and a Photoreactive Analogue in Prokaryotic Voltage-Gated Sodium Channels. <i>ACS Chemical Neuroscience</i> , 2021, 12, 3898-3914.	1.7	3
9	Synthesis and Characterization of a Diazirine-Based Photolabel of the Nonanesthetic Propofol. <i>ACS Chemical Neuroscience</i> , 2021, 12, 176-183.	1.7	4
10	Propofol prevents disease progression in mice with hypertrophic cardiomyopathy. <i>Cardiovascular Research</i> , 2020, 116, 1175-1185.	1.8	14
11	Perioperative Neurocognitive Disorder. <i>Anesthesiology</i> , 2020, 132, 55-68.	1.3	106
12	The future of research in anesthesiology. <i>International Anesthesiology Clinics</i> , 2020, 58, 41-45.	0.3	3
13	A vertebrate model to reveal neural substrates underlying the transitions between conscious and unconscious states. <i>Scientific Reports</i> , 2020, 10, 15789.	1.6	3
14	Untangling anaesthesia and amyloid. <i>British Journal of Anaesthesia</i> , 2020, 125, 232-235.	1.5	2
15	The effect of anesthetics on toll like receptor 9. <i>FASEB Journal</i> , 2020, 34, 14645-14654.	0.2	3
16	Human plasma biomarker responses to inhalational general anaesthesia without surgery. <i>British Journal of Anaesthesia</i> , 2020, 125, 282-290.	1.5	27
17	The role of propofol hydroxyl group in 5-lipoxygenase recognition. <i>Biochemical and Biophysical Research Communications</i> , 2020, 525, 909-914.	1.0	5
18	International drive to illuminate delirium: A developing public health blueprint for action. <i>Alzheimer's and Dementia</i> , 2020, 16, 711-725.	0.4	31

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19	Mechanistic insights into volatile anesthetic modulation of K2P channels. <i>ELife</i> , 2020, 9, .	2.8	10
20	Perioperative Neurocognitive Disorder: Reply. <i>Anesthesiology</i> , 2020, 133, 243-244.	1.3	0
21	Azi-medetomidine: Synthesis and Characterization of a Novel α_2 Adrenergic Photoaffinity Ligand. <i>ACS Chemical Neuroscience</i> , 2019, 10, 4716-4728.	1.7	5
22	Volatile anesthetics isoflurane and sevoflurane directly target and attenuate Toll-like receptor 4 system. <i>FASEB Journal</i> , 2019, 33, 14528-14541.	0.2	29
23	Recommendations for a new perioperative cognitive impairment nomenclature. <i>Alzheimer's and Dementia</i> , 2019, 15, 1115-1116.	0.4	8
24	Towards a Comprehensive Understanding of Anesthetic Mechanisms of Action: A Decade of Discovery. <i>Trends in Pharmacological Sciences</i> , 2019, 40, 464-481.	4.0	156
25	Volatile anesthetics affect macrophage phagocytosis. <i>PLoS ONE</i> , 2019, 14, e0216163.	1.1	25
26	Emergence Delirium. , 2019, , 1-10.		1
27	Perioperative Neurocognitive Disorder Mitigation Strategies. , 2019, , 190-198.		0
28	Postoperative Cognitive Dysfunction. , 2019, , 24-33.		2
29	Persistent Perioperative Neurocognitive Disorder. , 2019, , 48-60.		0
30	Animal Models and Cognitive Testing of Perioperative Neurocognitive Disorders. , 2019, , 61-81.		0
31	Anesthesia and Neurodegeneration. , 2019, , 82-91.		0
32	Comorbidities and Postoperative Neurocognitive Disorder. , 2019, , 115-122.		1
33	Biomarkers of Postoperative Cognitive Dysfunction: Finding the Signal amid the Noise. , 2019, , 134-151.		0
34	Informed Consent and Cognitive Impairment. , 2019, , 179-189.		0
35	Sex effects on behavioral markers of emergence from propofol and isoflurane anesthesia in rats. <i>Behavioural Brain Research</i> , 2019, 367, 59-67.	1.2	14
36	Alkylphenol inverse agonists of HCN1 gating: H-bond propensity, ring saturation and adduct geometry differentially determine efficacy and potency. <i>Biochemical Pharmacology</i> , 2019, 163, 493-508.	2.0	4

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37	Between a ROCK and an IR Place. <i>Anesthesia and Analgesia</i> , 2018, 126, 750-751.	1.1	0
38	Identification of General Anesthetic Target Protein-Binding Sites by Photoaffinity Labeling and Mass Spectrometry. <i>Methods in Enzymology</i> , 2018, 602, 231-246.	0.4	11
39	Sites and Functional Consequence of Alkylphenol Anesthetic Binding to Kv1.2 Channels. <i>Molecular Neurobiology</i> , 2018, 55, 1692-1702.	1.9	18
40	Best Practices for Postoperative Brain Health. <i>Anesthesia and Analgesia</i> , 2018, 127, 1406-1413.	1.1	183
41	Gone Fishing. <i>Anesthesiology</i> , 2018, 129, 392-393.	1.3	1
42	An allosteric propofol-binding site in kinesin disrupts kinesin-mediated processive movement on microtubules. <i>Journal of Biological Chemistry</i> , 2018, 293, 11283-11295.	1.6	16
43	Propofol decreases force development in cardiac muscle. <i>FASEB Journal</i> , 2018, 32, 4203-4213.	0.2	7
44	Preface. <i>Methods in Enzymology</i> , 2018, 602, xv-xvi.	0.4	0
45	Preface. <i>Methods in Enzymology</i> , 2018, 603, xv-xvi.	0.4	0
46	High-Throughput Screening to Identify Anesthetic Ligands Using <i>Xenopus laevis</i> Tadpoles. <i>Methods in Enzymology</i> , 2018, 602, 177-187.	0.4	4
47	Propofol inhibits prokaryotic voltage-gated Na ⁺ channels by promoting activation-coupled inactivation. <i>Journal of General Physiology</i> , 2018, 150, 1299-1316.	0.9	17
48	Propofol inhibits the voltage-gated sodium channel NaChBac at multiple sites. <i>Journal of General Physiology</i> , 2018, 150, 1317-1331.	0.9	22
49	Identification of binding sites contributing to volatile anesthetic effects on GABA type A receptors. <i>FASEB Journal</i> , 2018, 32, 4172-4189.	0.2	22
50	Recommendations for the nomenclature of cognitive change associated with anaesthesia and surgery. <i>British Journal of Anaesthesia</i> , 2018, 121, 1005-1012.	1.5	420
51	Recent progress on the molecular pharmacology of propofol. <i>F1000Research</i> , 2018, 7, 123.	0.8	26
52	Intravenous anesthetic propofol binds to 5-lipoxygenase and attenuates leukotriene B ₄ production. <i>FASEB Journal</i> , 2017, 31, 1584-1594.	0.2	11
53	Common general anesthetic propofol impairs kinesin processivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E4281-E4287.	3.3	24
54	Photoaffinity Ligand for the Inhalational Anesthetic Sevoflurane Allows Mechanistic Insight into Potassium Channel Modulation. <i>ACS Chemical Biology</i> , 2017, 12, 1353-1362.	1.6	29

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55	Sites Contributing to TRPA1 Activation by the Anesthetic Propofol Identified by Photoaffinity Labeling. <i>Biophysical Journal</i> , 2017, 113, 2168-2172.	0.2	26
56	Perioperative Neurotoxicity in the Elderly. , 2017, , 65-80.		1
57	Common Anesthetic-binding Site for Inhibition of Pentameric Ligand-gated Ion Channels. <i>Anesthesiology</i> , 2016, 124, 664-673.	1.3	14
58	Neurocognitive Adverse Effects of Anesthesia in Adults and Children: Gaps in Knowledge. <i>Drug Safety</i> , 2016, 39, 613-626.	1.4	12
59	Molecular mechanism of anesthetic-induced depression of myocardial contraction. <i>FASEB Journal</i> , 2016, 30, 2915-2925.	0.2	16
60	A Novel Bifunctional Alkylphenol Anesthetic Allows Characterization of γ -Aminobutyric Acid, Type A (GABAA), Receptor Subunit Binding Selectivity in Synaptosomes. <i>Journal of Biological Chemistry</i> , 2016, 291, 20473-20486.	1.6	26
61	Fluorine-19 NMR and computational quantification of isoflurane binding to the voltage-gated sodium channel NaChBac. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13762-13767.	3.3	34
62	Mechanisms of the Immunological Effects of Volatile Anesthetics: A Review. <i>Anesthesia and Analgesia</i> , 2016, 123, 326-335.	1.1	78
63	Fallacy . Really?. <i>Anesthesiology</i> , 2016, 125, 426-428.	1.3	2
64	Shedding Light on Anesthetic Mechanisms: Application of Photoaffinity Ligands. <i>Anesthesia and Analgesia</i> , 2016, 123, 1253-1262.	1.1	24
65	Macroscopic and Macromolecular Specificity of Alkylphenol Anesthetics for Neuronal Substrates. <i>Scientific Reports</i> , 2015, 5, 9695.	1.6	4
66	Functional Outcomes After Critical Illness in the Elderly*. <i>Critical Care Medicine</i> , 2015, 43, 1340-1341.	0.4	6
67	Discovery of a Novel General Anesthetic Chemotype Using High-throughput Screening. <i>Anesthesiology</i> , 2015, 122, 325-333.	1.3	17
68	Molecular recognition of ketamine by a subset of olfactory G protein-coupled receptors. <i>Science Signaling</i> , 2015, 8, ra33.	1.6	14
69	Propofol Inhibits SIRT2 Deacetylase through a Conformation-specific, Allosteric Site. <i>Journal of Biological Chemistry</i> , 2015, 290, 8559-8568.	1.6	11
70	Potential Adverse Effects of Anesthesia in Children. <i>JAMA - Journal of the American Medical Association</i> , 2015, 314, 408.	3.8	0
71	Forward to the Past. <i>Anesthesia and Analgesia</i> , 2015, 120, 259-260.	1.1	0
72	Role for the Propofol Hydroxyl in Anesthetic Protein Target Molecular Recognition. <i>ACS Chemical Neuroscience</i> , 2015, 6, 927-935.	1.7	27

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73	Mechanistic Insights into the Modulation of Voltage-Gated Ion Channels by Inhalational Anesthetics. <i>Biophysical Journal</i> , 2015, 109, 2003-2011.	0.2	46
74	Taxane modulation of anesthetic sensitivity in surgery for nonmetastatic breast cancer. <i>Journal of Clinical Anesthesia</i> , 2015, 27, 481-485.	0.7	4
75	General anesthetic and the risk of dementia in elderly patients: current insights. <i>Clinical Interventions in Aging</i> , 2014, 9, 1619.	1.3	67
76	Stereoselectivity of Isoflurane in Adhesion Molecule Leukocyte Function-Associated Antigen-1. <i>PLoS ONE</i> , 2014, 9, e96649.	1.1	6
77	Mechanisms Revealed Through General Anesthetic Photolabeling. <i>Current Anesthesiology Reports</i> , 2014, 4, 57-66.	0.9	25
78	Sites and functional consequence of VDAC-alkylphenol anesthetic interactions. <i>FEBS Letters</i> , 2014, 588, 4398-4403.	1.3	10
79	Multiple Propofol-binding Sites in a \hat{I}^3 -Aminobutyric Acid Type A Receptor (GABAAR) Identified Using a Photoreactive Propofol Analog. <i>Journal of Biological Chemistry</i> , 2014, 289, 27456-27468.	1.6	106
80	Computational Investigation of Cholesterol Binding Sites on Mitochondrial VDAC. <i>Journal of Physical Chemistry B</i> , 2014, 118, 9852-9860.	1.2	43
81	Photoaffinity Labeling the Propofol Binding Site in GLIC. <i>Biochemistry</i> , 2014, 53, 135-142.	1.2	36
82	â€˜Clickableâ€™-Photoactive Propofol Analogue for the Identification of Anesthetic Targets. <i>Biophysical Journal</i> , 2014, 106, 478a.	0.2	1
83	Modulation of a voltage-gated Na ⁺ channel by sevoflurane involves multiple sites and distinct mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6726-6731.	3.3	58
84	Anesthesia, surgery, illness and Alzheimer's disease. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2013, 47, 162-166.	2.5	53
85	Identifying the Propofol Binding Site(S) in Heterologously Expressed Human Alpha1 Beta3 Gaba-A Receptors using a Photoreactive Propofol Analog. <i>Biophysical Journal</i> , 2013, 104, 637a.	0.2	1
86	Using the problem-based learning discussion (PBLD) to facilitate research. <i>Journal of Clinical Anesthesia</i> , 2013, 25, 433.	0.7	0
87	Direct Modulation of Microtubule Stability Contributes to Anthracene General Anesthesia. <i>Journal of the American Chemical Society</i> , 2013, 135, 5389-5398.	6.6	45
88	Anesthetic drug development: Novel drugs and new approaches. , 2013, 4, 2.		37
89	Identification of Propofol Binding Sites in a Nicotinic Acetylcholine Receptor with a Photoreactive Propofol Analog*. <i>Journal of Biological Chemistry</i> , 2013, 288, 6178-6189.	1.6	69
90	Propofol Shares the Binding Site with Isoflurane and Sevoflurane on Leukocyte Function-Associated Antigen-1. <i>Anesthesia and Analgesia</i> , 2013, 117, 803-811.	1.1	23

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91	In Vivo Activation of Azipropofol Prolongs Anesthesia and Reveals Synaptic Targets. <i>Journal of Biological Chemistry</i> , 2013, 288, 1279-1285.	1.6	26
92	Modulation of Murine Alzheimer Pathogenesis and Behavior by Surgery. <i>Annals of Surgery</i> , 2013, 257, 439-448.	2.1	55
93	In Reply:. <i>Anesthesiology</i> , 2013, 118, 466-466.	1.3	0
94	Differential General Anesthetic Effects on Microglial Cytokine Expression. <i>PLoS ONE</i> , 2013, 8, e52887.	1.1	60
95	Volatile Anesthetics, Not Intravenous Anesthetic Propofol Bind to and Attenuate the Activation of Platelet Receptor Integrin $\alpha_{IIb}\beta_3$. <i>PLoS ONE</i> , 2013, 8, e60415.	1.1	26
96	General Anesthetics Predicted to Block the GLIC Pore with Micromolar Affinity. <i>PLoS Computational Biology</i> , 2012, 8, e1002532.	1.5	59
97	Isoflurane binds and stabilizes a closed conformation of the leukocyte function-associated antigen-1. <i>FASEB Journal</i> , 2012, 26, 4408-4417.	0.2	40
98	Ferritin couples iron and fatty acid metabolism. <i>FASEB Journal</i> , 2012, 26, 2394-2400.	0.2	35
99	Is Hydrogen Sulfide-Induced Suspended Animation General Anesthesia?. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012, 341, 735-742.	1.3	15
100	NMR structure and dynamics of a designed water-soluble transmembrane domain of nicotinic acetylcholine receptor. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 617-626.	1.4	25
101	Recognition of Anesthetic Barbiturates by a Protein Binding Site: A High Resolution Structural Analysis. <i>PLoS ONE</i> , 2012, 7, e32070.	1.1	13
102	Postoperative Cognitive Decline. <i>Anesthesiology</i> , 2012, 116, 751-752.	1.3	14
103	A Novel Fluorescent General Anesthetic Enables Imaging of Sites of Action <i>In Vivo</i> . <i>Anesthesiology</i> , 2012, 116, 1363-1363.	1.3	5
104	Neurodevelopmental Consequences of Sub-Clinical Carbon Monoxide Exposure in Newborn Mice. <i>PLoS ONE</i> , 2012, 7, e32029.	1.1	26
105	Anesthesia in presymptomatic Alzheimer's disease: A study using the triple-transgenic mouse model. <i>Alzheimer's and Dementia</i> , 2011, 7, 521.	0.4	53
106	Human Alzheimer and Inflammation Biomarkers after Anesthesia and Surgery. <i>Anesthesiology</i> , 2011, 115, 727-732.	1.3	182
107	The Role of Mentoring in Aiding Academic Integrity. <i>Anesthesia and Analgesia</i> , 2011, 112, 732-734.	1.1	13
108	Anesthetic modulation of neuroinflammation in Alzheimer's disease. <i>Current Opinion in Anaesthesiology</i> , 2011, 24, 389-394.	0.9	26

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109	Second International Perioperative Neurotoxicity Workshop Summary. <i>Anesthesia and Analgesia</i> , 2011, 112, 1253-1254.	1.1	6
110	Anesthetic Mechanisms: Worms Light the Way. <i>Current Biology</i> , 2011, 21, R985-R986.	1.8	1
111	A Smoking Gun but Still No Victim. <i>Journal of Alzheimer's Disease</i> , 2010, 19, 1259-1260.	1.2	0
112	Anesthetic-Induced Neurodegeneration Mediated via Inositol 1,4,5-Trisphosphate Receptors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 333, 14-22.	1.3	66
113	Multiple binding sites for the general anesthetic isoflurane identified in the nicotinic acetylcholine receptor transmembrane domain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 14122-14127.	3.3	103
114	Anesthesia and the Old Brain. <i>Anesthesia and Analgesia</i> , 2010, 110, 421-426.	1.1	59
115	Inhaled Anesthetic Potency in Aged Alzheimer Mice. <i>Anesthesia and Analgesia</i> , 2010, 110, 427-430.	1.1	22
116	<i>m</i> -Azipropofol (<i>m</i>) a Photoactive Analogue of the Intravenous General Anesthetic Propofol. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 5667-5675.	2.9	65
117	An Atomistic Model for Simulations of the General Anesthetic Isoflurane. <i>Journal of Physical Chemistry B</i> , 2010, 114, 604-612.	1.2	24
118	Azi-isoflurane, a Photolabel Analog of the Commonly Used Inhaled General Anesthetic Isoflurane. <i>ACS Chemical Neuroscience</i> , 2010, 1, 139-145.	1.7	38
119	Inhalational Anesthetic Photolabeling. <i>Methods in Molecular Biology</i> , 2010, 617, 437-443.	0.4	4
120	A Conserved Behavioral State Barrier Impedes Transitions between Anesthetic-Induced Unconsciousness and Wakefulness: Evidence for Neural Inertia. <i>PLoS ONE</i> , 2010, 5, e11903.	1.1	178
121	A Unitary Anesthetic Binding Site at High Resolution. <i>Journal of Biological Chemistry</i> , 2009, 284, 24176-24184.	1.6	67
122	Consensus Statement: First International Workshop on Anesthetics and Alzheimer's Disease. <i>Anesthesia and Analgesia</i> , 2009, 108, 1627-1630.	1.1	112
123	Structure-based shape pharmacophore modeling for the discovery of novel anesthetic compounds. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 5133-5138.	1.4	13
124	Identification of a fluorescent general anesthetic, 1-aminoanthracene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 6501-6506.	3.3	44
125	A High-Throughput Approach for Identification of Novel General Anesthetics. <i>PLoS ONE</i> , 2009, 4, e7150.	1.1	18
126	Inhaled anesthetics elicit region-specific changes in protein expression in mammalian brain. <i>Proteomics</i> , 2008, 8, 2983-2992.	1.3	33

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127	Brain and behavior changes in 12-month-old Tg2576 and nontransgenic mice exposed to anesthetics. <i>Neurobiology of Aging</i> , 2008, 29, 1002-1010.	1.5	226
128	Embedded cholesterol in the nicotinic acetylcholine receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 14418-14423.	3.3	148
129	A Presenilin-1 Mutation Renders Neurons Vulnerable to Isoflurane Toxicity. <i>Anesthesia and Analgesia</i> , 2008, 106, 492-500.	1.1	54
130	NMR studies of a channel protein without membranes: Structure and dynamics of water-solubilized KcsA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 16537-16542.	3.3	41
131	Does It Add Up?. <i>Anesthesia and Analgesia</i> , 2008, 107, 365-366.	1.1	4
132	Why Can All of Biology Be Anesthetized?. <i>Anesthesia and Analgesia</i> , 2008, 107, 859-861.	1.1	24
133	The Common Inhalational Anesthetic Isoflurane Induces Apoptosis <i>via</i> Activation of Inositol 1,4,5-Trisphosphate Receptors. <i>Anesthesiology</i> , 2008, 108, 251-260.	1.3	176
134	Limitations of Microarray Studies. <i>Anesthesia and Analgesia</i> , 2007, 104, 1300-1301.	1.1	6
135	Halothane Binding Proteome in Human Brain Cortex. <i>Journal of Proteome Research</i> , 2007, 6, 582-592.	1.8	40
136	Thermodynamics of Xenon Binding to Cryptophane in Water and Human Plasma. <i>Journal of the American Chemical Society</i> , 2007, 129, 9262-9263.	6.6	69
137	Partitioning of Anesthetics into a Lipid Bilayer and their Interaction with Membrane-Bound Peptide Bundles. <i>Biophysical Journal</i> , 2006, 91, 2815-2825.	0.2	67
138	Photoactive Analogues of the Haloether Anesthetics Provide High-Resolution Features from Low-Affinity Interactions. <i>ACS Chemical Biology</i> , 2006, 1, 377-384.	1.6	11
139	Image Not Living Up to Goal. <i>Anesthesiology</i> , 2006, 105, 626-627.	1.3	22
140	High throughput modular chambers for rapid evaluation of anesthetic sensitivity. <i>BMC Anesthesiology</i> , 2006, 6, 13.	0.7	30
141	A guest molecule-host cavity fitting algorithm to mine PDB for small molecule targets. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2006, 1764, 1320-1324.	1.1	5
142	Interactions of Volatile Anesthetics with Neurodegenerative-Disease-Associated Proteins. <i>Anesthesiology Clinics</i> , 2006, 24, 381-405.	1.4	17
143	Rat brain DNA transcript profile of halothane and isoflurane exposure. <i>Pharmacogenetics and Genomics</i> , 2006, 16, 171-182.	0.7	21
144	Weak Polar Interactions Confer Albumin Binding Site Selectivity for Haloether Anesthetics. <i>Anesthesiology</i> , 2005, 102, 799-805.	1.3	32

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145	Truncated human serum albumin retains general anaesthetic binding activity. <i>Biochemical Journal</i> , 2005, 388, 39-45.	1.7	17
146	Measurement of resiniferatoxin in serum samples by high-performance liquid chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 823, 184-188.	1.2	3
147	Binding of the volatile general anesthetics halothane and isoflurane to a mammalian β -barrel protein. <i>FEBS Journal</i> , 2005, 272, 573-581.	2.2	24
148	Isoflurane and sevoflurane affect cell survival and BCL-2/BAX ratio differently. <i>Brain Research</i> , 2005, 1037, 139-147.	1.1	192
149	Structural basis for high-affinity volatile anesthetic binding in a natural 4-helix bundle protein. <i>FASEB Journal</i> , 2005, 19, 567-576.	0.2	125
150	Anesthetic Potency of Two Novel Synthetic Polyhydric Alkanols Longer than then-Alkanol Cutoff: Evidence for a Bilayer-Mediated Mechanism of Anesthesia?. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 4172-4176.	2.9	41
151	The four-helix bundle: An attractive fold. <i>International Congress Series</i> , 2005, 1283, 15-20.	0.2	2
152	Selective activation of G-protein coupled receptors by volatile anesthetics. <i>Molecular and Cellular Neurosciences</i> , 2005, 30, 506-512.	1.0	20
153	Comparative binding character of two general anaesthetics for sites on human serum albumin. <i>Biochemical Journal</i> , 2004, 380, 147-152.	1.7	43
154	Inhalational Anesthetic-binding Proteins in Rat Neuronal Membranes. <i>Journal of Biological Chemistry</i> , 2004, 279, 19628-19633.	1.6	49
155	Volatile anesthetic modulation of oligomerization equilibria in a hexameric model peptide. <i>FEBS Letters</i> , 2004, 578, 140-144.	1.3	12
156	Inhaled Anesthetic Enhancement of Amyloid- β Oligomerization and Cytotoxicity. <i>Anesthesiology</i> , 2004, 101, 703-709.	1.3	360
157	Identification of Nicotinic Acetylcholine Receptor Amino Acids Photolabeled by the Volatile Anesthetic Halothane. <i>Biochemistry</i> , 2003, 42, 13457-13467.	1.2	95
158	Independent cerebral vasoconstrictive effects of hyperoxia and accompanying arterial hypocapnia at 1 ATA. <i>Journal of Applied Physiology</i> , 2003, 95, 2453-2461.	1.2	208
159	G Protein-Coupled Receptors as Direct Targets of Inhaled Anesthetics. <i>Molecular Pharmacology</i> , 2002, 61, 945-952.	1.0	56
160	Multiple Specific Binding Targets for Inhaled Anesthetics in the Mammalian Brain. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002, 300, 172-179.	1.3	38
161	Halogenated Diazirines as Photolabel Mimics of the Inhaled Haloalkane Anesthetics. <i>Journal of Medicinal Chemistry</i> , 2002, 45, 1879-1886.	2.9	21
162	The Role of Electrostatic Interactions in Human Serum Albumin Binding and Stabilization by Halothane. <i>Journal of Biological Chemistry</i> , 2002, 277, 36373-36379.	1.6	37

#	ARTICLE	IF	CITATIONS
163	Low-Affinity Analytical Chromatography for Measuring Inhaled Anesthetic Binding to Isolated Proteins. <i>Analytical Biochemistry</i> , 2002, 301, 308-313.	1.1	12
164	Chromatographic approach for determining the relative membrane permeability of drugs. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002, 774, 89-95.	1.2	7
165	Anesthetic Stabilization of Protein Intermediates:â€‰‰ Myoglobin and Halothane. <i>Biochemistry</i> , 2001, 40, 10819-10824.	1.2	16
166	Predictability of Weak Binding from X-ray Crystallography:â€‰‰ Inhaled Anesthetics and Myoglobin. <i>Biochemistry</i> , 2001, 40, 5075-5080.	1.2	11
167	Determination of the Hydrophobicity of Local Anesthetic Agents. <i>Analytical Biochemistry</i> , 2001, 292, 102-106.	1.1	7
168	Inhaled Anesthetic Binding Sites in Human Serum Albumin. <i>Journal of Biological Chemistry</i> , 2000, 275, 30439-30444.	1.6	48
169	A Designed Four-Î±-Helix Bundle That Binds the Volatile General Anesthetic Halothane with High Affinity. <i>Biophysical Journal</i> , 2000, 78, 982-993.	0.2	70
170	General Anesthetic Binding to Gramicidin A: The Structural Requirements. <i>Biophysical Journal</i> , 2000, 78, 1804-1809.	0.2	31
171	Halothane Binding to a G Protein Coupled Receptor in Retinal Membranes by Photoaffinity Labelingâ€‰. <i>Biochemistry</i> , 2000, 39, 8497-8502.	1.2	30
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174	Halothane, an inhalational anesthetic agent, increases folding stability of serum albumin. <i>BBA - Proteins and Proteomics</i> , 1999, 1430, 46-56.	2.1	32
175	Differential Halothane Binding and Effects on Serum Albumin and Myoglobin. <i>Biophysical Journal</i> , 1998, 75, 477-483.	0.2	27
176	Volatile anesthetics alter protein stability1Based on a poster presentation at the 5th International Meeting on the Cellular and Molecular Mechanisms of Anaesthesia held in Calgary, June 1997.1. <i>Toxicology Letters</i> , 1998, 100-101, 387-391.	0.4	6
177	A Noble Approach to Mechanisms. <i>Anesthesia and Analgesia</i> , 1998, 87, 239-241.	1.1	1
178	Heterogeneous halothane binding in the SR Ca ²⁺ -ATPase. <i>FEBS Letters</i> , 1997, 402, 189-192.	1.3	17
179	Amino Acid Resolution of Halothane Binding Sites in Serum Albumin. <i>Journal of Biological Chemistry</i> , 1996, 271, 15521-15526.	1.6	60
180	Tests of Anesthesia Relevance. <i>Anesthesia and Analgesia</i> , 1995, 81, 431-432.	1.1	3

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181	Tests of Anesthesia Relevance. Anesthesia and Analgesia, 1995, 81, 431-432.	1.1	0
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183	Absence of pressure antagonism of ethanol narcosis in <i>C. elegans</i> . NeuroReport, 1994, 6, 77-80.	0.6	16
184	Localization of Volatile Anesthetic Molecules at the Subcellular and Molecular Level. Annals of the New York Academy of Sciences, 1991, 625, 755-759.	1.8	8
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