

# Roderic G Eckenhoff

## List of Publications by Year in descending order

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186  
papers

6,799  
citations

66343

42  
h-index

76900

74  
g-index

255  
all docs

255  
docs citations

255  
times ranked

5023  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recommendations for the nomenclature of cognitive change associated with anaesthesia and surgeryâ€”2018. <i>British Journal of Anaesthesia</i> , 2018, 121, 1005-1012.	3.4	420
2	Inhaled Anesthetic Enhancement of Amyloid-Î² Oligomerization and Cytotoxicity. <i>Anesthesiology</i> , 2004, 101, 703-709.	2.5	360
3	Brain and behavior changes in 12-month-old Tg2576 and nontransgenic mice exposed to anesthetics. <i>Neurobiology of Aging</i> , 2008, 29, 1002-1010.	3.1	226
4	Independent cerebral vasoconstrictive effects of hyperoxia and accompanying arterial hypocapnia at 1 ATA. <i>Journal of Applied Physiology</i> , 2003, 95, 2453-2461.	2.5	208
5	Isoflurane and sevoflurane affect cell survival and BCL-2/BAX ratio differently. <i>Brain Research</i> , 2005, 1037, 139-147.	2.2	192
6	Best Practices for Postoperative Brain Health. <i>Anesthesia and Analgesia</i> , 2018, 127, 1406-1413.	2.2	183
7	Human Alzheimer and Inflammation Biomarkers after Anesthesia and Surgery. <i>Anesthesiology</i> , 2011, 115, 727-732.	2.5	182
8	A Conserved Behavioral State Barrier Impedes Transitions between Anesthetic-Induced Unconsciousness and Wakefulness: Evidence for Neural Inertia. <i>PLoS ONE</i> , 2010, 5, e11903.	2.5	178
9	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.	2.5	176
10	Towards a Comprehensive Understanding of Anesthetic Mechanisms of Action: A Decade of Discovery. <i>Trends in Pharmacological Sciences</i> , 2019, 40, 464-481.	8.7	156
11	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.	7.1	148
12	Structural basis for high-affinity volatile anesthetic binding in a natural 4-helix bundle protein. <i>FASEB Journal</i> , 2005, 19, 567-576.	0.5	125
13	Binding of Halothane to Serum Albumin Demonstrated Using Tryptophan Fluorescence. <i>Anesthesiology</i> , 1995, 83, 316-324..	2.5	118
14	Consensus Statement: First International Workshop on Anesthetics and Alzheimerâ€™s Disease. <i>Anesthesia and Analgesia</i> , 2009, 108, 1627-1630.	2.2	112
15	Multiple Propofol-binding Sites in a Î³-Aminobutyric Acid Type A Receptor (GABAAR) Identified Using a Photoreactive Propofol Analog. <i>Journal of Biological Chemistry</i> , 2014, 289, 27456-27468.	3.4	106
16	Perioperative Neurocognitive Disorder. <i>Anesthesiology</i> , 2020, 132, 55-68.	2.5	106
17	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.	7.1	103
18	Identification of Nicotinic Acetylcholine Receptor Amino Acids Photolabeled by the Volatile Anesthetic Halothane. <i>Biochemistry</i> , 2003, 42, 13457-13467.	2.5	95

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19	Mechanisms of the Immunological Effects of Volatile Anesthetics: A Review. <i>Anesthesia and Analgesia</i> , 2016, 123, 326-335.	2.2	78
20	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.	3.4	78
21	A Designed Four- $\alpha$ -Helix Bundle That Binds the Volatile General Anesthetic Halothane with High Affinity. <i>Biophysical Journal</i> , 2000, 78, 982-993.	0.5	70
22	Thermodynamics of Xenon Binding to Cryptophane in Water and Human Plasma. <i>Journal of the American Chemical Society</i> , 2007, 129, 9262-9263.	13.7	69
23	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.	3.4	69
24	Partitioning of Anesthetics into a Lipid Bilayer and their Interaction with Membrane-Bound Peptide Bundles. <i>Biophysical Journal</i> , 2006, 91, 2815-2825.	0.5	67
25	A Unitary Anesthetic Binding Site at High Resolution. <i>Journal of Biological Chemistry</i> , 2009, 284, 24176-24184.	3.4	67
26	General anesthetic and the risk of dementia in elderly patients: current insights. <i>Clinical Interventions in Aging</i> , 2014, 9, 1619.	2.9	67
27	Anesthetic-Induced Neurodegeneration Mediated via Inositol 1,4,5-Trisphosphate Receptors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 333, 14-22.	2.5	66
28	<i>m</i> -Azipropofol ( <i>m</i> -AziP) a Photoactive Analogue of the Intravenous General Anesthetic Propofol. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 5667-5675.	6.4	65
29	Amino Acid Resolution of Halothane Binding Sites in Serum Albumin. <i>Journal of Biological Chemistry</i> , 1996, 271, 15521-15526.	3.4	60
30	Differential General Anesthetic Effects on Microglial Cytokine Expression. <i>PLoS ONE</i> , 2013, 8, e52887.	2.5	60
31	Anesthesia and the Old Brain. <i>Anesthesia and Analgesia</i> , 2010, 110, 421-426.	2.2	59
32	General Anesthetics Predicted to Block the GLIC Pore with Micromolar Affinity. <i>PLoS Computational Biology</i> , 2012, 8, e1002532.	3.2	59
33	Modulation of a voltage-gated Na <sup>+</sup> 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.	7.1	58
34	G Protein-Coupled Receptors as Direct Targets of Inhaled Anesthetics. <i>Molecular Pharmacology</i> , 2002, 61, 945-952.	2.3	56
35	Modulation of Murine Alzheimer Pathogenesis and Behavior by Surgery. <i>Annals of Surgery</i> , 2013, 257, 439-448.	4.2	55
36	A Presenilin-1 Mutation Renders Neurons Vulnerable to Isoflurane Toxicity. <i>Anesthesia and Analgesia</i> , 2008, 106, 492-500.	2.2	54

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37	Anesthesia in presymptomatic Alzheimer's disease: A study using the triple-transgenic mouse model. <i>Alzheimer's and Dementia</i> , 2011, 7, 521.	0.8	53
38	Anesthesia, surgery, illness and Alzheimer's disease. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2013, 47, 162-166.	4.8	53
39	Inhalational Anesthetic-binding Proteins in Rat Neuronal Membranes. <i>Journal of Biological Chemistry</i> , 2004, 279, 19628-19633.	3.4	49
40	Inhaled Anesthetic Binding Sites in Human Serum Albumin. <i>Journal of Biological Chemistry</i> , 2000, 275, 30439-30444.	3.4	48
41	Mechanistic Insights into the Modulation of Voltage-Gated Ion Channels by Inhalational Anesthetics. <i>Biophysical Journal</i> , 2015, 109, 2003-2011.	0.5	46
42	Direct Modulation of Microtubule Stability Contributes to Anthracene General Anesthesia. <i>Journal of the American Chemical Society</i> , 2013, 135, 5389-5398.	13.7	45
43	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.	7.1	44
44	Comparative binding character of two general anaesthetics for sites on human serum albumin. <i>Biochemical Journal</i> , 2004, 380, 147-152.	3.7	43
45	Computational Investigation of Cholesterol Binding Sites on Mitochondrial VDAC. <i>Journal of Physical Chemistry B</i> , 2014, 118, 9852-9860.	2.6	43
46	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.	6.4	41
47	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.	7.1	41
48	Halothane Binding Proteome in Human Brain Cortex. <i>Journal of Proteome Research</i> , 2007, 6, 582-592.	3.7	40
49	Isoflurane binds and stabilizes a closed conformation of the leukocyte function-associated antigen-1. <i>FASEB Journal</i> , 2012, 26, 4408-4417.	0.5	40
50	Multiple Specific Binding Targets for Inhaled Anesthetics in the Mammalian Brain. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002, 300, 172-179.	2.5	38
51	Azi-isoflurane, a Photolabel Analog of the Commonly Used Inhaled General Anesthetic Isoflurane. <i>ACS Chemical Neuroscience</i> , 2010, 1, 139-145.	3.5	38
52	The Role of Electrostatic Interactions in Human Serum Albumin Binding and Stabilization by Halothane. <i>Journal of Biological Chemistry</i> , 2002, 277, 36373-36379.	3.4	37
53	Anesthetic drug development: Novel drugs and new approaches. , 2013, 4, 2.		37
54	Photoaffinity Labeling the Propofol Binding Site in GLIC. <i>Biochemistry</i> , 2014, 53, 135-142.	2.5	36

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55	Ferritin couples iron and fatty acid metabolism. <i>FASEB Journal</i> , 2012, 26, 2394-2400.	0.5	35
56	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.	7.1	34
57	Inhaled anesthetics elicit region-specific changes in protein expression in mammalian brain. <i>Proteomics</i> , 2008, 8, 2983-2992.	2.2	33
58	Halothane, an inhalational anesthetic agent, increases folding stability of serum albumin. <i>BBA - Proteins and Proteomics</i> , 1999, 1430, 46-56.	2.1	32
59	Weak Polar Interactions Confer Albumin Binding Site Selectivity for Haloether Anesthetics. <i>Anesthesiology</i> , 2005, 102, 799-805.	2.5	32
60	General Anesthetic Binding to Gramicidin A: The Structural Requirements. <i>Biophysical Journal</i> , 2000, 78, 1804-1809.	0.5	31
61	International drive to illuminate delirium: A developing public health blueprint for action. <i>Alzheimer's and Dementia</i> , 2020, 16, 711-725.	0.8	31
62	Halothane Binding to a G Protein Coupled Receptor in Retinal Membranes by Photoaffinity Labeling. <i>Biochemistry</i> , 2000, 39, 8497-8502.	2.5	30
63	High throughput modular chambers for rapid evaluation of anesthetic sensitivity. <i>BMC Anesthesiology</i> , 2006, 6, 13.	1.8	30
64	Photoaffinity Ligand for the Inhalational Anesthetic Sevoflurane Allows Mechanistic Insight into Potassium Channel Modulation. <i>ACS Chemical Biology</i> , 2017, 12, 1353-1362.	3.4	29
65	Volatile anesthetics isoflurane and sevoflurane directly target and attenuate Toll-like receptor 4 system. <i>FASEB Journal</i> , 2019, 33, 14528-14541.	0.5	29
66	Differential Halothane Binding and Effects on Serum Albumin and Myoglobin. <i>Biophysical Journal</i> , 1998, 75, 477-483.	0.5	27
67	Role for the Propofol Hydroxyl in Anesthetic Protein Target Molecular Recognition. <i>ACS Chemical Neuroscience</i> , 2015, 6, 927-935.	3.5	27
68	Human plasma biomarker responses to inhalational general anaesthesia without surgery. <i>British Journal of Anaesthesia</i> , 2020, 125, 282-290.	3.4	27
69	Anesthetic modulation of neuroinflammation in Alzheimer's disease. <i>Current Opinion in Anaesthesiology</i> , 2011, 24, 389-394.	2.0	26
70	In Vivo Activation of Azipropofol Prolongs Anesthesia and Reveals Synaptic Targets. <i>Journal of Biological Chemistry</i> , 2013, 288, 1279-1285.	3.4	26
71	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.	2.5	26
72	A Novel Bifunctional Alkylphenol Anesthetic Allows Characterization of $\gamma$ -Aminobutyric Acid, Type A (GABAA), Receptor Subunit Binding Selectivity in Synaptosomes. <i>Journal of Biological Chemistry</i> , 2016, 291, 20473-20486.	3.4	26

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73	Sites Contributing to TRPA1 Activation by the Anesthetic Propofol Identified by Photoaffinity Labeling. <i>Biophysical Journal</i> , 2017, 113, 2168-2172.	0.5	26
74	Recent progress on the molecular pharmacology of propofol. <i>F1000Research</i> , 2018, 7, 123.	1.6	26
75	Neurodevelopmental Consequences of Sub-Clinical Carbon Monoxide Exposure in Newborn Mice. <i>PLoS ONE</i> , 2012, 7, e32029.	2.5	26
76	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.	2.6	25
77	Mechanisms Revealed Through General Anesthetic Photolabeling. <i>Current Anesthesiology Reports</i> , 2014, 4, 57-66.	2.0	25
78	Volatile anesthetics affect macrophage phagocytosis. <i>PLoS ONE</i> , 2019, 14, e0216163.	2.5	25
79	Steric Hindrance Is Not Required for <i>n</i> -Alkanol Cutoff in Soluble Proteins. <i>Molecular Pharmacology</i> , 1999, 56, 414-418.	2.3	24
80	Binding of the volatile general anesthetics halothane and isoflurane to a mammalian $\beta$ -barrel protein. <i>FEBS Journal</i> , 2005, 272, 573-581.	4.7	24
81	Why Can All of Biology Be Anesthetized?. <i>Anesthesia and Analgesia</i> , 2008, 107, 859-861.	2.2	24
82	An Atomistic Model for Simulations of the General Anesthetic Isoflurane. <i>Journal of Physical Chemistry B</i> , 2010, 114, 604-612.	2.6	24
83	Shedding Light on Anesthetic Mechanisms: Application of Photoaffinity Ligands. <i>Anesthesia and Analgesia</i> , 2016, 123, 1253-1262.	2.2	24
84	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.	7.1	24
85	Propofol Shares the Binding Site with Isoflurane and Sevoflurane on Leukocyte Function-Associated Antigen-1. <i>Anesthesia and Analgesia</i> , 2013, 117, 803-811.	2.2	23
86	Image Not Living Up to Goal. <i>Anesthesiology</i> , 2006, 105, 626-627.	2.5	22
87	Inhaled Anesthetic Potency in Aged Alzheimer Mice. <i>Anesthesia and Analgesia</i> , 2010, 110, 427-430.	2.2	22
88	Propofol inhibits the voltage-gated sodium channel NaChBac at multiple sites. <i>Journal of General Physiology</i> , 2018, 150, 1317-1331.	1.9	22
89	Identification of binding sites contributing to volatile anesthetic effects on GABA type A receptors. <i>FASEB Journal</i> , 2018, 32, 4172-4189.	0.5	22
90	Halogenated Diazirines as Photolabel Mimics of the Inhaled Haloalkane Anesthetics. <i>Journal of Medicinal Chemistry</i> , 2002, 45, 1879-1886.	6.4	21

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91	Rat brain DNA transcript profile of halothane and isoflurane exposure. <i>Pharmacogenetics and Genomics</i> , 2006, 16, 171-182.	1.5	21
92	Selective activation of G-protein coupled receptors by volatile anesthetics. <i>Molecular and Cellular Neurosciences</i> , 2005, 30, 506-512.	2.2	20
93	Sites and Functional Consequence of Alkylphenol Anesthetic Binding to Kv1.2 Channels. <i>Molecular Neurobiology</i> , 2018, 55, 1692-1702.	4.0	18
94	A High-Throughput Approach for Identification of Novel General Anesthetics. <i>PLoS ONE</i> , 2009, 4, e7150.	2.5	18
95	Heterogeneous halothane binding in the SR Ca <sup>2+</sup> -ATPase. <i>FEBS Letters</i> , 1997, 402, 189-192.	2.8	17
96	Truncated human serum albumin retains general anaesthetic binding activity. <i>Biochemical Journal</i> , 2005, 388, 39-45.	3.7	17
97	Interactions of Volatile Anesthetics with Neurodegenerative-Disease-Associated Proteins. <i>Anesthesiology Clinics</i> , 2006, 24, 381-405.	1.4	17
98	Discovery of a Novel General Anesthetic Chemotype Using High-throughput Screening. <i>Anesthesiology</i> , 2015, 122, 325-333.	2.5	17
99	Propofol inhibits prokaryotic voltage-gated Na <sup>+</sup> channels by promoting activation-coupled inactivation. <i>Journal of General Physiology</i> , 2018, 150, 1299-1316.	1.9	17
100	Absence of pressure antagonism of ethanol narcosis in <i>C. elegans</i> . <i>NeuroReport</i> , 1994, 6, 77-80.	1.2	16
101	Anesthetic Stabilization of Protein Intermediates: Myoglobin and Halothane. <i>Biochemistry</i> , 2001, 40, 10819-10824.	2.5	16
102	Molecular mechanism of anesthetic-induced depression of myocardial contraction. <i>FASEB Journal</i> , 2016, 30, 2915-2925.	0.5	16
103	An allosteric propofol-binding site in kinesin disrupts kinesin-mediated processive movement on microtubules. <i>Journal of Biological Chemistry</i> , 2018, 293, 11283-11295.	3.4	16
104	Is Hydrogen Sulfide-Induced Suspended Animation General Anesthesia?. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012, 341, 735-742.	2.5	15
105	Postoperative Cognitive Decline. <i>Anesthesiology</i> , 2012, 116, 751-752.	2.5	14
106	Molecular recognition of ketamine by a subset of olfactory G protein-coupled receptors. <i>Science Signaling</i> , 2015, 8, ra33.	3.6	14
107	Common Anesthetic-binding Site for Inhibition of Pentameric Ligand-gated Ion Channels. <i>Anesthesiology</i> , 2016, 124, 664-673.	2.5	14
108	Sex effects on behavioral markers of emergence from propofol and isoflurane anesthesia in rats. <i>Behavioural Brain Research</i> , 2019, 367, 59-67.	2.2	14

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109	Propofol prevents disease progression in mice with hypertrophic cardiomyopathy. <i>Cardiovascular Research</i> , 2020, 116, 1175-1185.	3.8	14
110	Structure-based shape pharmacophore modeling for the discovery of novel anesthetic compounds. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 5133-5138.	3.0	13
111	The Role of Mentoring in Aiding Academic Integrity. <i>Anesthesia and Analgesia</i> , 2011, 112, 732-734.	2.2	13
112	Recognition of Anesthetic Barbiturates by a Protein Binding Site: A High Resolution Structural Analysis. <i>PLoS ONE</i> , 2012, 7, e32070.	2.5	13
113	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.	2.6	13
114	Ketamine Metabolite (2 <i>R</i> ,6 <i>R</i> )-Hydroxynorketamine Interacts with $\mu$ and $\delta$ Opioid Receptors. <i>ACS Chemical Neuroscience</i> , 2021, 12, 1487-1497.	3.5	13
115	Cardiac mitochondrial calcium content during fatal doxorubicin toxicity. <i>Toxicology and Applied Pharmacology</i> , 1989, 97, 167-172.	2.8	12
116	Low-Affinity Analytical Chromatography for Measuring Inhaled Anesthetic Binding to Isolated Proteins. <i>Analytical Biochemistry</i> , 2002, 301, 308-313.	2.4	12
117	Volatile anesthetic modulation of oligomerization equilibria in a hexameric model peptide. <i>FEBS Letters</i> , 2004, 578, 140-144.	2.8	12
118	Neurocognitive Adverse Effects of Anesthesia in Adults and Children: Gaps in Knowledge. <i>Drug Safety</i> , 2016, 39, 613-626.	3.2	12
119	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, .	7.1	12
120	Predictability of Weak Binding from X-ray Crystallography: Inhaled Anesthetics and Myoglobin. <i>Biochemistry</i> , 2001, 40, 5075-5080.	2.5	11
121	Photoactive Analogues of the Haloether Anesthetics Provide High-Resolution Features from Low-Affinity Interactions. <i>ACS Chemical Biology</i> , 2006, 1, 377-384.	3.4	11
122	Propofol Inhibits SIRT2 Deacetylase through a Conformation-specific, Allosteric Site. <i>Journal of Biological Chemistry</i> , 2015, 290, 8559-8568.	3.4	11
123	Intravenous anesthetic propofol binds to $5\alpha$ -lipoxygenase and attenuates leukotriene B <sub>4</sub> production. <i>FASEB Journal</i> , 2017, 31, 1584-1594.	0.5	11
124	Identification of General Anesthetic Target Protein-Binding Sites by Photoaffinity Labeling and Mass Spectrometry. <i>Methods in Enzymology</i> , 2018, 602, 231-246.	1.0	11
125	Sites and functional consequence of VDAC-alkylphenol anesthetic interactions. <i>FEBS Letters</i> , 2014, 588, 4398-4403.	2.8	10
126	Mechanistic insights into volatile anesthetic modulation of K2P channels. <i>ELife</i> , 2020, 9, .	6.0	10

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127	Localization of Volatile Anesthetic Molecules at the Subcellular and Molecular Level. <i>Annals of the New York Academy of Sciences</i> , 1991, 625, 755-759.	3.8	8
128	Recommendations for a new perioperative cognitive impairment nomenclature. <i>Alzheimer's and Dementia</i> , 2019, 15, 1115-1116.	0.8	8
129	Determination of the Hydrophobicity of Local Anesthetic Agents. <i>Analytical Biochemistry</i> , 2001, 292, 102-106.	2.4	7
130	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.	2.3	7
131	Fropofol decreases force development in cardiac muscle. <i>FASEB Journal</i> , 2018, 32, 4203-4213.	0.5	7
132	Volatile anesthetics alter protein stability <sup>1</sup> Based 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.	0.8	6
133	Limitations of Microarray Studies. <i>Anesthesia and Analgesia</i> , 2007, 104, 1300-1301.	2.2	6
134	Second International Perioperative Neurotoxicity Workshop Summary. <i>Anesthesia and Analgesia</i> , 2011, 112, 1253-1254.	2.2	6
135	Stereoselectivity of Isoflurane in Adhesion Molecule Leukocyte Function-Associated Antigen-1. <i>PLoS ONE</i> , 2014, 9, e96649.	2.5	6
136	Functional Outcomes After Critical Illness in the Elderly*. <i>Critical Care Medicine</i> , 2015, 43, 1340-1341.	0.9	6
137	Alzheimer's Dementia After Exposure to Anesthesia and Surgery in the Elderly. <i>Annals of Surgery</i> , 2022, 276, e377-e385.	4.2	6
138	A guest molecule's host cavity fitting algorithm to mine PDB for small molecule targets. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2006, 1764, 1320-1324.	2.3	5
139	Azi-medetomidine: Synthesis and Characterization of a Novel $\pm$ Adrenergic Photoaffinity Ligand. <i>ACS Chemical Neuroscience</i> , 2019, 10, 4716-4728.	3.5	5
140	The role of propofol hydroxyl group in 5-lipoxygenase recognition. <i>Biochemical and Biophysical Research Communications</i> , 2020, 525, 909-914.	2.1	5
141	A Novel Fluorescent General Anesthetic Enables Imaging of Sites of Action <i>In Vivo</i> . <i>Anesthesiology</i> , 2012, 116, 1363-1363.	2.5	5
142	Does It Add Up?. <i>Anesthesia and Analgesia</i> , 2008, 107, 365-366.	2.2	4
143	Macroscopic and Macromolecular Specificity of Alkylphenol Anesthetics for Neuronal Substrates. <i>Scientific Reports</i> , 2015, 5, 9695.	3.3	4
144	Taxane modulation of anesthetic sensitivity in surgery for nonmetastatic breast cancer. <i>Journal of Clinical Anesthesia</i> , 2015, 27, 481-485.	1.6	4

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145	High-Throughput Screening to Identify Anesthetic Ligands Using <i>Xenopus laevis</i> Tadpoles. <i>Methods in Enzymology</i> , 2018, 602, 177-187.	1.0	4
146	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.	4.4	4
147	Inhalational Anesthetic Photolabeling. <i>Methods in Molecular Biology</i> , 2010, 617, 437-443.	0.9	4
148	Synthesis and Characterization of a Diazirine-Based Photolabel of the Nonanesthetic Propofol. <i>ACS Chemical Neuroscience</i> , 2021, 12, 176-183.	3.5	4
149	Tests of Anesthesia Relevance. <i>Anesthesia and Analgesia</i> , 1995, 81, 431-432.	2.2	3
150	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.	2.3	3
151	The future of research in anesthesiology. <i>International Anesthesiology Clinics</i> , 2020, 58, 41-45.	0.8	3
152	A vertebrate model to reveal neural substrates underlying the transitions between conscious and unconscious states. <i>Scientific Reports</i> , 2020, 10, 15789.	3.3	3
153	The effect of anesthetics on toll like receptor 9. <i>FASEB Journal</i> , 2020, 34, 14645-14654.	0.5	3
154	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.	3.5	3
155	The four-helix bundle: An attractive fold. <i>International Congress Series</i> , 2005, 1283, 15-20.	0.2	2
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