

# Debra A Schwinn

## List of Publications by Citations

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118  
papers

5,699  
citations

39  
h-index

73  
g-index

129  
ext. papers

6,052  
ext. citations

4.6  
avg, IF

5.14  
L-index

#	Paper	IF	Citations
118	Molecular cloning and expression of the cDNA for the hamster alpha 1-adrenergic receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1988</b> , 85, 7159-63	11.5	450
117	Identification, quantification, and localization of mRNA for three distinct alpha 1 adrenergic receptor subtypes in human prostate. <i>Journal of Urology</i> , <b>1993</b> , 150, 546-51	2.5	282
116	Subtype specific regulation of human vascular alpha(1)-adrenergic receptors by vessel bed and age. <i>Circulation</i> , <b>1999</b> , 100, 2336-43	16.7	240
115	Alpha1-adrenergic receptors and their inhibitors in lower urinary tract symptoms and benign prostatic hyperplasia. <i>Journal of Urology</i> , <b>2004</b> , 171, 1029-35	2.5	228
114	alpha 1-ADRENERGIC RECEPTOR SUBTYPES IN HUMAN DETRUSOR. <i>Journal of Urology</i> , <b>1998</b> , 160, 937-943		218
113	Structural basis for receptor subtype-specific regulation revealed by a chimeric beta 3/beta 2-adrenergic receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1993</b> , 90, 3665-9	11.5	193
112	Alpha 1-adrenergic receptor regulation: basic science and clinical implications <b>2000</b> , 88, 281-309		188
111	MODULATION OF BLADDER $\alpha$ -ADRENERGIC RECEPTOR SUBTYPE EXPRESSION BY BLADDER OUTLET OBSTRUCTION. <i>Journal of Urology</i> , <b>2002</b> , 167, 1513-1521	2.5	159
110	Distribution of beta 3-adrenoceptor mRNA in human tissues. <i>European Journal of Pharmacology</i> , <b>1995</b> , 289, 223-8		141
109	Alpha1-adrenergic receptors in human spinal cord: specific localized expression of mRNA encoding alpha1-adrenergic receptor subtypes at four distinct levels. <i>Molecular Brain Research</i> , <b>1999</b> , 63, 254-61		139
108	Alpha1-adrenoceptor subtypes and lower urinary tract symptoms. <i>International Journal of Urology</i> , <b>2008</b> , 15, 193-9	2.3	135
107	Classification of alpha 1-adrenoceptor subtypes. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>1995</b> , 352, 1-10	3.4	131
106	Beta(2)-adrenergic and several other G protein-coupled receptors in human atrial membranes activate both G(s) and G(i). <i>Circulation Research</i> , <b>2000</b> , 87, 705-9	15.7	128
105	Metabolomic profiling reveals distinct patterns of myocardial substrate use in humans with coronary artery disease or left ventricular dysfunction during surgical ischemia/reperfusion. <i>Circulation</i> , <b>2009</b> , 119, 1736-46	16.7	122
104	ACTIVATION OF EXTRACELLULAR SIGNAL-REGULATED KINASE IN HUMAN PROSTATE CANCER. <i>Journal of Urology</i> , <b>1999</b> , 162, 1537-1542	2.5	105
103	Long-term agonist exposure induces upregulation of beta 3-adrenergic receptor expression via multiple cAMP response elements. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1992</b> , 89, 4490-4	11.5	103
102	Genetic variants in P-selectin and C-reactive protein influence susceptibility to cognitive decline after cardiac surgery. <i>Journal of the American College of Cardiology</i> , <b>2007</b> , 49, 1934-42	15.1	97

101	Anesthesiology physician scientists in academic medicine: a wake-up call. <i>Anesthesiology</i> , <b>2006</b> , 104, 170-83	4.3	97
100	Desensitization of myocardial beta-adrenergic receptors during cardiopulmonary bypass. Evidence for early uncoupling and late downregulation. <i>Circulation</i> , <b>1991</b> , 84, 2559-67	16.7	97
99	Pharmacologic characterization of cloned alpha 1-adrenoceptor subtypes: selective antagonists suggest the existence of a fourth subtype. <i>European Journal of Pharmacology</i> , <b>1992</b> , 227, 433-6		97
98	Association of genetic polymorphisms with risk of renal injury after coronary bypass graft surgery. <i>American Journal of Kidney Diseases</i> , <b>2005</b> , 45, 519-30	7.4	93
97	Patients' views on identifiability of samples and informed consent for genetic research. <i>American Journal of Bioethics</i> , <b>2008</b> , 8, 62-70	1.1	89
96	alpha 2-Adrenergic receptors in human spinal cord: specific localized expression of mRNA encoding alpha 2-adrenergic receptor subtypes at four distinct levels. <i>Molecular Brain Research</i> , <b>1995</b> , 34, 109-17		80
95	Genetic polymorphisms and the risk of stroke after cardiac surgery. <i>Stroke</i> , <b>2005</b> , 36, 1854-8	6.7	74
94	Pharmacology of tamsulosin: saturation-binding isotherms and competition analysis using cloned alpha 1-adrenergic receptor subtypes. <i>Prostate</i> , <b>1997</b> , 33, 55-9	4.2	73
93	APOE polymorphism is associated with risk of severe sepsis in surgical patients. <i>Critical Care Medicine</i> , <b>2005</b> , 33, 2521-6	1.4	70
92	alpha(1)-Adrenergic receptor antagonists and the iris: new mechanistic insights into floppy iris syndrome. <i>Survey of Ophthalmology</i> , <b>2006</b> , 51, 501-12	6.1	68
91	Update on human alpha1-adrenoceptor subtype signaling and genomic organization. <i>Trends in Pharmacological Sciences</i> , <b>2004</b> , 25, 449-55	13.2	67
90	Localization of messenger RNA for three distinct alpha 2-adrenergic receptor subtypes in human tissues. Evidence for species heterogeneity and implications for human pharmacology. <i>Anesthesiology</i> , <b>1994</b> , 81, 1235-44	4.3	67
89	Genetic factors contribute to bleeding after cardiac surgery. <i>Journal of Thrombosis and Haemostasis</i> , <b>2005</b> , 3, 1206-12	15.4	60
88	Alpha1-adrenergic receptor subtypes in human detrusor. <i>Journal of Urology</i> , <b>1998</b> , 160, 937-43	2.5	59
87	Desensitization of myocardial beta-adrenergic receptors and deterioration of left ventricular function after brain death. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>1995</b> , 110, 746-51	1.5	56
86	High spinal anesthesia for cardiac surgery: effects on beta-adrenergic receptor function, stress response, and hemodynamics. <i>Anesthesiology</i> , <b>2003</b> , 98, 499-510	4.3	55
85	Neuroprotection is associated with beta-adrenergic receptor antagonists during cardiac surgery: evidence from 2,575 patients. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , <b>2002</b> , 16, 270-7	2.1	55
84	Effects of cardiopulmonary bypass and circulatory arrest on endothelium-dependent vasodilation in the lung. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>1996</b> , 111, 1248-56	1.5	55

83	Cellular trafficking of human alpha1a-adrenergic receptors is continuous and primarily agonist-independent. <i>Molecular Pharmacology</i> , <b>2004</b> , 66, 843-54	4.3	54
82	New paradigms in cardiovascular medicine: emerging technologies and practices: perioperative genomics. <i>Journal of the American College of Cardiology</i> , <b>2005</b> , 46, 1965-77	15.1	48
81	Evidence that phosphorylation of the RNA polymerase II carboxyl-terminal repeats is similar in yeast and humans. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 31368-77	5.4	43
80	Isoflurane-induced vasodilation: role of the alpha-adrenergic nervous system. <i>Anesthesia and Analgesia</i> , <b>1990</b> , 71, 451-9	3.9	42
79	Acute agonist-mediated desensitization of the human alpha 1a-adrenergic receptor is primarily independent of carboxyl terminus regulation: implications for regulation of alpha 1aAR splice variants. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 9570-9	5.4	37
78	Epigenetic regulation of human alpha1d-adrenergic receptor gene expression: a role for DNA methylation in Sp1-dependent regulation. <i>FASEB Journal</i> , <b>2007</b> , 21, 1979-93	0.9	35
77	The alpha1a-adrenergic receptor occupies membrane rafts with its G protein effectors but internalizes via clathrin-coated pits. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 2973-85	5.4	34
76	alpha1-Adrenoceptor subtype selectivity and lower urinary tract symptoms. <i>Mayo Clinic Proceedings</i> , <b>2004</b> , 79, 1423-34	6.4	33
75	Acute depression of myocardial beta-adrenergic receptor signaling during cardiopulmonary bypass: impairment of the adenylyl cyclase moiety. Duke Heart Center Perioperative Desensitization Group. <i>Anesthesiology</i> , <b>1998</b> , 89, 602-11	4.3	33
74	Modulation of bladder alpha1-adrenergic receptor subtype expression by bladder outlet obstruction. <i>Journal of Urology</i> , <b>2002</b> , 167, 1513-21	2.5	33
73	Novel human alpha1a-adrenoceptor single nucleotide polymorphisms alter receptor pharmacology and biological function. <i>Naunyn-Schmiedeberg Archives of Pharmacology</i> , <b>2005</b> , 371, 229-39	3.4	32
72	Postoperative complications due to paradoxical vocal cord motion. <i>Anesthesiology</i> , <b>1987</b> , 66, 686-7	4.3	32
71	Effects of alpha 1-adrenergic receptor subtype selective antagonists on lower urinary tract function in rats with bladder outlet obstruction. <i>Journal of Urology</i> , <b>2004</b> , 172, 758-62	2.5	31
70	Fostering interprofessional teamwork in an academic medical center: Near-peer education for students during gross medical anatomy. <i>Anatomical Sciences Education</i> , <b>2015</b> , 8, 331-7	6.8	30
69	Effect of Chronic and Acute Thyroid Hormone Reduction on Perioperative Outcome. <i>Anesthesia and Analgesia</i> , <b>1997</b> , 85, 30-36	3.9	29
68	Discovery of biomarker candidates for coronary artery disease from an APOE-knock out mouse model using iTRAQ-based multiplex quantitative proteomics. <i>Proteomics</i> , <b>2011</b> , 11, 2763-76	4.8	28
67	Relationship of genetic variability and depressive symptoms to adverse events after coronary artery bypass graft surgery. <i>Psychosomatic Medicine</i> , <b>2008</b> , 70, 953-9	3.7	28
66	CHARACTERIZATION OF $\alpha$ ADRENOCEPTOR SUBTYPES IN THE CORPUS CAVERNOSUM OF PATIENTS UNDERGOING SEX CHANGE SURGERY. <i>Journal of Urology</i> , <b>1999</b> , 162, 1793-1799	2.5	28

65	Neuron specific alpha-adrenergic receptor expression in human cerebellum: implications for emerging cerebellar roles in neurologic disease. <i>Neuroscience</i> , <b>2005</b> , 135, 507-23	3.9	27
64	Transcriptional regulation of the human alpha1a-adrenergic receptor gene. Characterization Of the 5Rregulatory and promoter region. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 28237-46	5.4	26
63	Do not resuscitate (DNR) orders during surgery: ethical foundations for institutional policies in the United States. <i>Anesthesia and Analgesia</i> , <b>1995</b> , 80, 806-9	3.9	26
62	Differential cardiac gene expression during cardiopulmonary bypass: ischemia-independent upregulation of proinflammatory genes. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2005</b> , 130, 330-9 <sup>1.5</sup>		25
61	Cardiopulmonary bypass and circulatory arrest increase endothelin-1 production and receptor expression in the lung. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>1997</b> , 113, 777-83	1.5	24
60	Esmolol improves left ventricular function via enhanced beta-adrenergic receptor signaling in a canine model of coronary revascularization. <i>Anesthesiology</i> , <b>2002</b> , 97, 162-9	4.3	24
59	Constitutive coupling of a naturally occurring human alpha1a-adrenergic receptor genetic variant to EGFR transactivation pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 19796-801	11.5	23
58	New developments in cardiovascular adrenergic receptor pharmacology: molecular mechanisms and clinical relevance. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , <b>1998</b> , 12, 80-95	2.1	23
57	Characterization of GRK2-catalyzed phosphorylation of the human substance P receptor in Sf9 membranes. <i>Biochemistry</i> , <b>1998</b> , 37, 1192-8	3.2	22
56	Adrenoceptors as models for G protein-coupled receptors: structure, function and regulation. <i>British Journal of Anaesthesia</i> , <b>1993</b> , 71, 77-85	5.4	21
55	Molecular pharmacology of human alpha1-adrenergic receptors: unique features of the alpha 1a-subtype. <i>European Urology</i> , <b>1999</b> , 36 Suppl 1, 7-10	10.2	19
54	Multiple potential regulatory elements in the 5Rflanking region of the beta 3-adrenergic receptor. <i>DNA Sequence</i> , <b>1991</b> , 2, 61-3		19
53	alpha 1-Adrenergic responsiveness during coronary artery bypass surgery: effect of preoperative ejection fraction. <i>Anesthesiology</i> , <b>1988</b> , 69, 206-17	4.3	19
52	Cardiopulmonary bypass decreases G protein-coupled receptor kinase activity and expression in human peripheral blood mononuclear cells. <i>Anesthesiology</i> , <b>2003</b> , 98, 343-8	4.3	16
51	Effects of androgen deprivation on prostate alpha 1-adrenergic receptors. <i>Urology</i> , <b>1996</b> , 48, 335-41	1.6	16
50	Genetics infuses new life into human physiology: implications of the human genome project for anesthesiology and perioperative medicine. <i>Anesthesiology</i> , <b>2002</b> , 96, 261-3	4.3	16
49	Pharmacogenomics of Eadrenergic receptor physiology and response to Eblockade. <i>Anesthesia and Analgesia</i> , <b>2011</b> , 113, 1305-18	3.9	15
48	Immunoaffinity purification of epitope-tagged human beta 2-adrenergic receptor to homogeneity. <i>Protein Expression and Purification</i> , <b>1995</b> , 6, 717-21	2	14

47	A two-allele PstI RFLP for the alpha-1C adrenergic receptor gene (ADRA1C). <i>Human Molecular Genetics</i> , <b>1992</b> , 1, 349	5.6	14
46	Multiple potential regulatory elements in the 5Rflanking region of the human alpha 1a-adrenergic receptor. <i>DNA Sequence</i> , <b>1998</b> , 8, 271-6		13
45	Cloning and characterization of the rat alpha 1a-adrenergic receptor gene promoter. Demonstration of cell specificity and regulation by hypoxia. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 8693-705	5.4	13
44	Association of the 98T ELAM-1 polymorphism with increased bleeding after cardiac surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , <b>2010</b> , 24, 427-33	2.1	12
43	Lipid rafts constrain basal alpha(1A)-adrenergic receptor signaling by maintaining receptor in an inactive conformation. <i>Cellular Signalling</i> , <b>2009</b> , 21, 1532-9	4.9	12
42	IMMORTALIZATION OF A HUMAN PROSTATE STROMAL CELL LINE USING A RECOMBINANT RETROVIRAL APPROACH. <i>Journal of Urology</i> , <b>2000</b> , 164, 2145-2150	2.5	12
41	Hypotension resistant to therapy with alpha receptor agonists complicating cardiopulmonary bypass: lithium as a potential cause. <i>Anesthesia and Analgesia</i> , <b>1996</b> , 82, 1082-5	3.9	11
40	Research in academic medical centers: two threats to sustainable support. <i>Science Translational Medicine</i> , <b>2015</b> , 7, 289fs22	17.5	10
39	Understanding the TXA seizure connection. <i>Journal of Clinical Investigation</i> , <b>2012</b> , 122, 4339-41	15.9	10
38	Alpha-adrenergic mRNA subtype expression in the human nasal turbinate. <i>Canadian Journal of Anaesthesia</i> , <b>2007</b> , 54, 549-55	3	10
37	Comprehensive history of 3-year and accelerated US medical school programs: a century in review. <i>Medical Education Online</i> , <b>2018</b> , 23, 1530557	4.4	10
36	Stimulation of $\alpha_1a$ adrenergic receptors induces cellular proliferation or antiproliferative hypertrophy dependent solely on agonist concentration. <i>PLoS ONE</i> , <b>2013</b> , 8, e72430	3.7	9
35	Mechanistic insights into the role of alpha1adrenergic receptors in lower urinary tract symptoms. <i>Current Urology Reports</i> , <b>2004</b> , 5, 258-66	2.9	9
34	Adrenergic receptors: unique localization in human tissues. <i>Advances in Pharmacology</i> , <b>1994</b> , 31, 333-41	5.7	9
33	MODULATION OF BLADDER $\alpha_1$ -ADRENERGIC RECEPTOR SUBTYPE EXPRESSION BY BLADDER OUTLET OBSTRUCTION. <i>Journal of Urology</i> , <b>2002</b> , 1513-1521	2.5	9
32	Alpha1a-adrenoceptor genetic variant induces cardiomyoblast-to-fibroblast-like cell transition via distinct signaling pathways. <i>Cellular Signalling</i> , <b>2014</b> , 26, 1985-97	4.9	8
31	In situ hybridization: identification of rare mRNAs in human tissues. <i>Brain Research Protocols</i> , <b>1997</b> , 1, 175-85		8
30	Genomics and the circulation. <i>British Journal of Anaesthesia</i> , <b>2004</b> , 93, 140-8	5.4	8

29	Effect of chronic and acute thyroid hormone reduction on perioperative outcome. <i>Anesthesia and Analgesia</i> , <b>1997</b> , 85, 30-6	3.9	7
28	$\alpha_1$ -Adrenoceptor Subtypes in the Human Cardiovascular and Urogenital Systems. <i>Advances in Pharmacology</i> , <b>1997</b> , 42, 390-394	5.7	7
27	Endogenous circulating sympatholytic factor in orthostatic intolerance. <i>Hypertension</i> , <b>2000</b> , 36, 553-60	8.5	7
26	Pharmacogenomics and end-organ susceptibility to injury in the perioperative period. <i>Baillieres Best Practice and Research in Clinical Anaesthesiology</i> , <b>2008</b> , 22, 23-37	4	6
25	Molecular biology and medicine. A primer for the clinician. <i>Anesthesiology</i> , <b>1996</b> , 85, 1462-78	4.3	6
24	The United States critical illness and injury trials group: an introduction. <i>Journal of Trauma</i> , <b>2009</b> , 67, S159-60		5
23	Metoprolol and coronary artery bypass grafting surgery: does intraoperative metoprolol attenuate acute beta-adrenergic receptor desensitization during cardiac surgery?. <i>Anesthesia and Analgesia</i> , <b>2004</b> , 98, 1224-31, table of contents	3.9	5
22	Temporal Dissection of Rate Limiting Transcriptional Events Using Pol II ChIP and RNA Analysis of Adrenergic Stress Gene Activation. <i>PLoS ONE</i> , <b>2015</b> , 10, e0134442	3.7	5
21	Genetic predictors of perioperative neurological and cognitive injury and recovery. <i>Baillieres Best Practice and Research in Clinical Anaesthesiology</i> , <b>2001</b> , 15, 247-276	4	4
20	Transcriptional regulation of alpha-1 adrenergic receptors. <i>Frontiers in Bioscience - Landmark</i> , <b>1998</b> , 3, d348-53	2.8	4
19	Alpha1a-Adrenoceptor Genetic Variant Triggers Vascular Smooth Muscle Cell Hyperproliferation and Agonist Induced Hypertrophy via EGFR Transactivation Pathway. <i>PLoS ONE</i> , <b>2015</b> , 10, e0142787	3.7	4
18	CHARACTERIZATION OF $\alpha_1$ -ADRENOCEPTOR SUBTYPES IN THE CORPUS CAVERNOSUM OF PATIENTS UNDERGOING SEX CHANGE SURGERY. <i>Journal of Urology</i> , <b>1999</b> , 1793	2.5	4
17	Characteristics of a human prostate stromal cell line related to its use in a stromal-epithelial coculture model for the study of cancer chemoprevention. <i>In Vitro Cellular and Developmental Biology - Animal</i> , <b>2005</b> , 41, 142-8	2.6	3
16	IL-8 $\alpha_1$ -Adrenergic Receptors and LUTS. <i>Japanese Journal of Urology</i> , <b>2007</b> , 98, 61		3
15	Limitations of genetic findings that are not in Hardy-Weinberg equilibrium. <i>Anesthesiology</i> , <b>2008</b> , 108, 338; author reply 338-9	4.3	3
14	Case 4-2011: malignant hyperthermia in cardiac surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , <b>2011</b> , 25, 731-5	2.1	2
13	Acute myelogenous leukemia: implications of acute blast crisis and cardiopulmonary bypass. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , <b>1993</b> , 7, 455-7	2.1	2
12	Pharmacology of tamsulosin: Saturation-binding isotherms and competition analysis using cloned $\alpha_1$ -adrenergic receptor subtypes <b>1997</b> , 33, 55		2

11	Time-variable medical education innovation in context. <i>Advances in Medical Education and Practice</i> , <b>2018</b> , 9, 469-481	1.5	1
10	Understanding the transition to acute illness: the promise of perioperative genomics. <i>Journal of Cardiovascular Translational Research</i> , <b>2008</b> , 1, 171-3	3.3	1
9	EDUCATE TO TRANSFORM: THE ART OF DEVELOPING CURIOUS MINDS. <i>Transactions of the American Clinical and Climatological Association</i> , <b>2016</b> , 127, 259-271	0.9	1
8	Community and Academic Physicians Working Together in Integrated Health Care Systems. <i>Mayo Clinic Proceedings Innovations, Quality &amp; Outcomes</i> , <b>2021</b> , 5, 951-960	3.1	0
7	Mechanistic insights into the role of $\alpha$ -adrenergic receptors in lower urinary tract symptoms. <i>Current Prostate Reports</i> , <b>2004</b> , 2, 78-86		
6	Management of a difficult intubation during acute myocardial ischemia following a failed angioplasty. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , <b>1992</b> , 6, 335-7	2.1	
5	Genomic Medicine: Why Do "Similar" Patients Have Different Outcomes? <b>2012</b> , 2012, 30-34		
4	Genomics and proteomics <b>2006</b> , 71-78		
3	Genomics of Perioperative and Procedural Medicine <b>2009</b> , 794-805		
2	Novel Mechanism for Sympathetically-Mediated Hypertension by Naturally Occurring Human Alpha1aAR Genetic Variant. <i>FASEB Journal</i> , <b>2010</b> , 24, 701.7	0.9	
1	A History of Pharmacogenomics Related to Anesthesiology <b>2014</b> , 585-596		