

Theodore A Alston

List of Publications by Year in descending order

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120
papers

767
citations

567281

15
h-index

642732

23
g-index

126
all docs

126
docs citations

126
times ranked

637
citing authors

#	ARTICLE	IF	CITATIONS
1	Substrate specificity of nicotinamide methyltransferase isolated from porcine liver. Archives of Biochemistry and Biophysics, 1988, 260, 601-608.	3.0	71
2	Stomach gas laboratory in critical care. Critical Care Medicine, 2002, 30, 251-252.	0.9	48
3	Enzyme inhibition by nitro and nitroso compounds. Accounts of Chemical Research, 1983, 16, 418-424.	15.6	46
4	Enzymatic conversion of the antibiotic metronidazole to an analog of thiamine. Archives of Biochemistry and Biophysics, 1987, 257, 357-362.	3.0	43
5	Suicide substrates for mitochondrial enzymes. , 1981, 12, 1-41.		30
6	Spontaneous Intracranial Hypotension. Anesthesiology, 2014, 121, 1327-1333.	2.5	23
7	The bioorganic chemistry of the nitroalkyl group. Bioorganic Chemistry, 1985, 13, 375-403.	4.1	22
8	Conversion of 3-nitro-1-propanol (miserotoxin aglycone) to cytotoxic acrolein by alcohol dehydrogenase. Biochemical Pharmacology, 1981, 30, 2719-2720.	4.4	21
9	Conversion of trifluoromethionine to a cross-linking agent by \hat{I}^3 -cystathionase. Biochemical Pharmacology, 1983, 32, 947-950.	4.4	21
10	Inactivation of alcohol dehydrogenase by 3-butyn-1-ol. Archives of Biochemistry and Biophysics, 1979, 197, 516-523.	3.0	20
11	Lack of associations of the opioid receptor mu 1 (OPRM1) A118G polymorphism (rs1799971) with alcohol dependence: review and meta-analysis of retrospective controlled studies. BMC Medical Genetics, 2017, 18, 120.	2.1	19
12	Inactivation of alanine aminotransferase by the neurotoxin \hat{I}^2 -cyano-L-alanine. Biochemical and Biophysical Research Communications, 1980, 92, 299-304.	2.1	18
13	Amino Acid Neurotransmitters in the CNS: Properties of Diaminobutyric Acid Transport. Journal of Neurochemistry, 1986, 46, 1452-1457.	3.9	18
14	Inhibition of vitamin B12-dependent methionine biosynthesis by chloroform and carbon tetrachloride. Biochemical Pharmacology, 1991, 42, R25-R28.	4.4	18
15	Reaction of Lactobacillus histidine decarboxylase with L-histidine methyl ester. Biochemistry, 1987, 26, 4082-4085.	2.5	16
16	The Contributions of A. W. Hofmann. Anesthesia and Analgesia, 2003, 96, 622-625.	2.2	16
17	Perioral Stains after Ortho-Phthalaldehyde Disinfection of Echo Probes. Anesthesiology, 2003, 99, 1032-1032.	2.5	16
18	Inactivation of \hat{I}^2 -cystathionase by \hat{I}^2 -fluorinated amino acids. FEBS Letters, 1981, 128, 293-297.	2.8	15

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19	The Contributions of A. W. Hofmann. <i>Anesthesia and Analgesia</i> , 2003, 96, 622-625.	2.2	15
20	Inhibition of succinate dehydrogenase by nitroacetate and by the toxic antibiotic nitraminoacetate. <i>Biochemical and Biophysical Research Communications</i> , 1980, 97, 294-300.	2.1	14
21	Neurotoxicity of Metronidazole. <i>Annals of Internal Medicine</i> , 1985, 103, 161.	3.9	13
22	Blood Gases and pH During Hypothermia: The "-Stats". <i>International Anesthesiology Clinics</i> , 2004, 42, 73-80.	0.8	13
23	Enzymatic release of nitric oxide from L-alanosine, an antineoplastic antibiotic. <i>Biochemical and Biophysical Research Communications</i> , 1982, 105, 560-566.	2.1	11
24	Precipitation of sugammadex by protamine. <i>Journal of Clinical Anesthesia</i> , 2011, 23, 593.	1.6	11
25	Inactivation of pyridoxal 5'-phosphate-dependent enzymes by 5-nitro-L-norvaline, an analog of L-glutamate. <i>FEBS Letters</i> , 1981, 126, 269-271.	2.8	10
26	Aprotinin. <i>International Anesthesiology Clinics</i> , 2004, 42, 81-91.	0.8	9
27	Nitrous or nitric? Same difference. Molecular formulas in the 1840s. <i>Journal of Clinical Anesthesia</i> , 2007, 19, 159-161.	1.6	8
28	Oxidation of N-nitroethylenediamine, a GABA analog from <i>Agaricussilvaticus</i> , by GABA aminotransferase. <i>Biochemical and Biophysical Research Communications</i> , 1981, 103, 1077-1082.	2.1	7
29	Mechanism-based inactivation of GABA aminotransferase by 3,5-dioxocyclohexanecarboxylic acid. <i>Biochemical Pharmacology</i> , 1982, 31, 4081-4084.	4.4	7
30	Inhibition of vitamin B12-dependent microbial growth by nitrous oxide. <i>Life Sciences</i> , 1991, 48, 1591-1595.	4.3	7
31	Pralidoxime Rescues Both Muscarinic and Nicotinic Systems. <i>Anesthesia and Analgesia</i> , 2005, 101, 926.	2.2	7
32	Transesophageal Echocardiographic Bullâ€™s Eye. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2006, 20, 894-895.	1.3	7
33	Lipmann and Anfinson: Nobel biochemists of Beecher's anesthesia laboratory. <i>Journal of Clinical Anesthesia</i> , 2008, 20, 61-63.	1.6	7
34	Early misconceptions about nitrous oxide, an "invigorating" asphyxiant. <i>Journal of Clinical Anesthesia</i> , 2010, 22, 59-63.	1.6	7
35	Association of opioid receptor mu 1 (OPRM1) A118G polymorphism (rs1799971) with nicotine dependence. <i>Oncotarget</i> , 2017, 8, 84329-84337.	1.8	7
36	Elevated hypoxanthine in endotoxic shock. <i>Critical Care Medicine</i> , 1999, 27, 690-691.	0.9	7

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37	The role of multimodal analgesia in preventing the development of chronic postsurgical pain and reducing postoperative opioid use. <i>Journal of Opioid Management</i> , 2018, 14, 453-461.	0.5	7
38	Potential toxicity from prolonged anesthesia: A case report of a thirty-hour anesthetic. <i>Journal of Clinical Anesthesia</i> , 1990, 2, 183-187.	1.6	6
39	Elton Romeo Smilie, the Not-Quite Discoverer of Ether Anesthesia. <i>Anesthesia and Analgesia</i> , 2010, 110, 195-197.	2.2	6
40	Why does methylene blue reduce methemoglobin in benzocaine poisoning but beneficially oxidize hemoglobin in cyanide poisoning?. <i>Journal of Clinical Anesthesia</i> , 2014, 26, 702-703.	1.6	6
41	Egg Allergy and Blood Products: You Say Albumen, I Say Albumin. <i>Anesthesiology</i> , 2003, 98, 1304-1305.	2.5	6
42	Echocardiographic Reflections on a Pericardium. <i>Anesthesia and Analgesia</i> , 2007, 104, 506.	2.2	5
43	Liquor made quicker: alcohol as a synthetic reagent for molecules in anesthesia. <i>Journal of Clinical Anesthesia</i> , 2008, 20, 556-559.	1.6	5
44	Echo Bib. <i>Anesthesiology</i> , 2002, 97, 763-763.	2.5	5
45	Oxygen Flush Valve Booby Trap. <i>Anesthesiology</i> , 2004, 101, 558-558.	2.5	4
46	Sepsis and hypovolemia: Two bad *. <i>Critical Care Medicine</i> , 2003, 31, 991-992.	0.9	4
47	PaO ₂ exceeding the barometric pressure: An explosive situation?. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2001, 15, 655.	1.3	3
48	Temporary Pacemaker Who Wouldn't Quit. <i>Anesthesiology</i> , 2004, 101, 810-810.	2.5	3
49	Detection of an Ill-Poised Thread of Lint by Transesophageal Echocardiography After Aortic Valve Replacement. <i>Anesthesia and Analgesia</i> , 2006, 103, 40.	2.2	3
50	Daniel Bovet: 1957 Nobel Laureate and Developer of Succinylcholine. <i>Journal of Anesthesia History</i> , 2015, 1, 76-78.	0.2	3
51	Obstetric and Other Uses of Ether Before Ether Day, According to the Boston Medical and Surgical Journal of 1828-1846. <i>Journal of Anesthesia History</i> , 2016, 2, 57-61.	0.2	3
52	The Perfect and Famous Anesthetic Known as Methyl in Boston in 1895. <i>Journal of Anesthesia History</i> , 2018, 4, 115-122.	0.2	3
53	Nuclear fallout in sepsis *. <i>Critical Care Medicine</i> , 2003, 31, 2076-2077.	0.9	2
54	Bubble trouble. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2004, 18, 112-113.	1.3	2

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55	A Duplicate Inferior Vena Cava?. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2006, 20, 284-285.	1.3	2
56	Ptomaine Poisons as Clues to Chemical Neurotransmission. <i>Bulletin of Anesthesia History</i> , 2006, 24, 33-37.	0.1	2
57	Atracurium-like decomposition of remifentanyl. <i>Journal of Clinical Anesthesia</i> , 2010, 22, 72-73.	1.6	2
58	A little hypothermia goes a long way. <i>Critical Care Medicine</i> , 2012, 40, 1369-1370.	0.9	2
59	Does anesthetic technique influence cancer?. <i>Journal of Clinical Anesthesia</i> , 2012, 24, 1-2.	1.6	2
60	Effect of the Daguerreotype Process on Morton's Part in History. <i>Bulletin of Anesthesia History</i> , 2013, 31, 7-8.	0.1	2
61	Gardner Q. Colton Publicly Demonstrated Chloroform for Surgery in His Eclectic Exhibitions of 1848. <i>Journal of Anesthesia History</i> , 2017, 3, 35-36.	0.2	2
62	Charles T. Jackson and William T.G. Morton Patented the "Ethereal Solution of Opium" of Elton Romeo Smilie. <i>Journal of Anesthesia History</i> , 2018, 4, 128-129.	0.2	2
63	Divine's CO2 Absorber of 1867. <i>Journal of Anesthesia History</i> , 2019, 5, 36-43.	0.2	2
64	Chicken soup for the stomach. <i>Critical Care Medicine</i> , 2001, 29, 2033-2034.	0.9	2
65	Inactivation of GABA Aminotransferase by 3-Nitro-1-Propanamine. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 1987, 1, 215-222.	0.5	1
66	Aprotinin does not neutralize heparin. <i>Annals of Thoracic Surgery</i> , 1994, 57, 516.	1.3	1
67	Procoagulant Action of Aprotinin. <i>Anesthesia and Analgesia</i> , 1996, 82, 1305.	2.2	1
68	Don't have a cow! Fight global warming with CFC. <i>Nature</i> , 2004, 430, 965-965.	27.8	1
69	Black and white and read all over: The human genome *. <i>Critical Care Medicine</i> , 2004, 32, 1073-1074.	0.9	1
70	An Echogenic Mass After Composite Aortic Root Replacement. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2008, 22, 160-161.	1.3	1
71	Frogs Featured Prominently in Basic Science Contributing to Anesthesiology. <i>Bulletin of Anesthesia History</i> , 2009, 27, 21-25.	0.1	1
72	Commonly used eponyms in anesthesia. <i>Journal of Clinical Anesthesia</i> , 2009, 21, 67-71.	1.6	1

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73	Blockade of sodium importation in resuscitation*. Critical Care Medicine, 2009, 37, 2126-2127.	0.9	1
74	Sustained airway pressure after transient occlusion of a valve venting a self-inflating manual resuscitator. Journal of Clinical Anesthesia, 2013, 25, 424-425.	1.6	1
75	To Breathe, or Not to Breathe?*. Critical Care Medicine, 2013, 41, 346-348.	0.9	1
76	George Bernard Shaw on Anesthesia. Journal of Anesthesia History, 2016, 2, 37-41.	0.2	1
77	Antoine Lavoisier on Ether, 1789. Journal of Anesthesia History, 2017, 3, 63-64.	0.2	1
78	Morphine Zwitterion. Journal of Anesthesia History, 2017, 3, 69-70.	0.2	1
79	Phineas T. Barnum, Gardner Q. Colton, and Painless Parker Were Kindred Princes of Humbug. Journal of Anesthesia History, 2019, 5, 13-21.	0.2	1
80	Henry Jacob Bigelow Inhaled Nitrous Oxide While an Undergraduate at Harvard College. Journal of Anesthesia History, 2020, 6, 1-7.	0.2	1
81	Freshly Isolated Mitochondria as Therapeutic Agents in Sepsis: Can They Go Home Again?*. Critical Care Medicine, 2021, 49, 1584-1587.	0.9	1
82	Horner Syndrome After Lumbar Epidural Analgesia in a Patient with Ehlers-danlos Syndrome. Open Anesthesiology Journal, 2017, 11, 12-16.	0.4	1
83	Berend Mets. Journal of Anesthesia History, 2020, 6, 1-2.	0.2	1
84	Unlucky bleeding: factor XIII. Minerva Anesthesiologica, 2022, 88, .	1.0	1
85	Participation of the Atrial Components of a Dual-Chamber Cardiac Pacemaker During Ventricular Pacing. Journal of Cardiothoracic and Vascular Anesthesia, 2005, 19, 377-378.	1.3	0
86	Echocardiographic papillary rarity. Journal of Cardiothoracic and Vascular Anesthesia, 2005, 19, 126-127.	1.3	0
87	Intra-annular Leak of a Pericardial Prosthetic Valve. Journal of Cardiothoracic and Vascular Anesthesia, 2005, 19, 691-692.	1.3	0
88	Quick fix of bent prongs of the thermodilution cardiac output connector of a Swan-Ganz catheter. Journal of Clinical Anesthesia, 2005, 17, 407-408.	1.6	0
89	A Couple of Long Intervals in Intraoperative Cardiac Pacing. Journal of Cardiothoracic and Vascular Anesthesia, 2006, 20, 117-118.	1.3	0
90	Tuning up the compression and applying the choke for better horsepower in resuscitation*. Critical Care Medicine, 2006, 34, 1563-1564.	0.9	0

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91	ST-Segment Changes. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2007, 21, 908-909.	1.3	0
92	Teasing and skinning muscles in sepsis research*. <i>Critical Care Medicine</i> , 2008, 36, 1674-1675.	0.9	0
93	Worse bleeding but better survival associated with N-acetylcysteine in cardiac surgery*. <i>Critical Care Medicine</i> , 2009, 37, 2113-2114.	0.9	0
94	Caspase: The unfriendly "meat tenderizer" of sepsis*. <i>Critical Care Medicine</i> , 2010, 38, 2075-2076.	0.9	0
95	Stemming electrical outage in myocardial infarction*. <i>Critical Care Medicine</i> , 2011, 39, 1222-1223.	0.9	0
96	Gallic treatment is galling to <i>Pseudomonas</i> *. <i>Critical Care Medicine</i> , 2012, 40, 690-691.	0.9	0
97	An Unusual Cause for an Irregularly Irregular Pulse. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2012, 26, 751-752.	1.3	0
98	Reflections on an Electrocardiogram: Inverted T Waves. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2013, 27, 819-820.	1.3	0
99	Help for the Miffed Heart*. <i>Critical Care Medicine</i> , 2013, 41, 1829-1830.	0.9	0
100	Tracking the Wily Speckle in Darkest Sepsis*. <i>Critical Care Medicine</i> , 2014, 42, 1577-1579.	0.9	0
101	The Heart of Diabetes*. <i>Critical Care Medicine</i> , 2015, 43, 1552-1554.	0.9	0
102	Release of Endotoxin After an Arrest*. <i>Critical Care Medicine</i> , 2015, 43, 2687-2688.	0.9	0
103	Dr. Mütter's Marvels: A True Tale of Intrigue and Innovation at the Dawn of Modern Medicine. <i>Anesthesiology</i> , 2015, 123, 981-981.	2.5	0
104	Noteworthy Chemistry of Chloroform. <i>Journal of Anesthesia History</i> , 2016, 2, 85-88.	0.2	0
105	Henry Jacob Bigelow: Scholar and Antischolar. <i>Journal of Anesthesia History</i> , 2017, 3, 107.	0.2	0
106	John Collins Warren, Surgeon of Ether Day, Entered Sulphuric Ether into The Pharmacopoeia of the Massachusetts Medical Society in 1808. <i>Journal of Anesthesia History</i> , 2017, 3, 138-139.	0.2	0
107	Edison Etherscope. <i>Journal of Anesthesia History</i> , 2017, 3, 110-111.	0.2	0
108	John Snow and the First Second-Gas Effect. <i>Journal of Anesthesia History</i> , 2018, 4, 9-10.	0.2	0

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109	George Washington Frost Mellen and Resuscitation with Nitrous Oxide in 1847. <i>Journal of Anesthesia History</i> , 2019, 5, 60-61.	0.2	0
110	Anesthesia-related Ramifications of Benjamin Franklin's Ether-based Refrigeration. <i>Journal of Anesthesia History</i> , 2020, 6, 29-34.	0.2	0
111	Kety-Schmidt Application of Nitrous Oxide to Determine Cerebral Blood Flow. <i>Journal of Anesthesia History</i> , 2020, 6, 98-100.	0.2	0
112	Burnett's "Cocaine" for dandruff. <i>Journal of Anesthesia History</i> , 2020, 6, 172-173.	0.2	0
113	Oxygen Was Almost Named Nitrogen. <i>Journal of Anesthesia History</i> , 2020, 6, 96-97.	0.2	0
114	Pulmonary catheter fear factor *. <i>Critical Care Medicine</i> , 2002, 30, 1383-1384.	0.9	0
115	Nitric oxide, fever, and brimstone: Babylon revisited *. <i>Critical Care Medicine</i> , 2002, 30, 2600-2601.	0.9	0
116	Therapeutic Hypothermia for Cardiopulmonary Resuscitation: Why, When and How. <i>Current Cardiology Reviews</i> , 2007, 3, 199-206.	1.5	0
117	CASE REPORT - Combined General and Spinal Anesthesia for Lumbar decompression in an Opioid-intolerant Patient: Intra-operative Administration of Intrathecal Bupivacaine via the Surgical Incision. <i>Open Anesthesiology Journal</i> , 2012, 6, 9-11.	0.4	0
118	Eponymous plot of Richard J. Kitz and Irwin B. Wilson in biochemistry. <i>Journal of Anesthesia History</i> , 2020, 6, 3-4.	0.2	0
119	Aerobic life is a tough exercise. <i>Minerva Anesthesiologica</i> , 2020, 86, 9-11.	1.0	0
120	Perioperative cognitive function: must the poor get poorer?. <i>Minerva Anesthesiologica</i> , 2020, 86, 368-370.	1.0	0