

Glenn A Jacobson

List of Publications by Year in descending order

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63
papers

1,046
citations

394421

19
h-index

501196

28
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64
all docs

64
docs citations

64
times ranked

1335
citing authors

#	ARTICLE	IF	CITATIONS
1	Proteoglycans in the central nervous system: Role in development, neural repair, and Alzheimer's disease. <i>IUBMB Life</i> , 2013, 65, 108-120.	3.4	70
2	A simple capillary electrophoresis method for the rapid separation and determination of intact low molecular weight and unfractionated heparins. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 46, 30-35.	2.8	65
3	Beta ₂ -adrenoceptor agonist salbutamol increases protein turnover rates and alters signalling in skeletal muscle after resistance exercise in young men. <i>Journal of Physiology</i> , 2018, 596, 4121-4139.	2.9	46
4	Chronic β_2 -adrenoceptor agonist treatment alters muscle proteome and functional adaptations induced by high intensity training in young men. <i>Journal of Physiology</i> , 2018, 596, 231-252.	2.9	41
5	Effective reversed-phase ion pair high-performance liquid chromatography method for the separation and characterization of intact low-molecular-weight heparins. <i>Analytical Biochemistry</i> , 2009, 387, 113-121.	2.4	40
6	Comparison of methods for the determination of total selenium in plasma by magnetic sector inductively coupled plasma mass spectrometry. <i>Analytica Chimica Acta</i> , 2004, 512, 319-327.	5.4	38
7	High-performance liquid chromatographic assay for the simultaneous determination of ipratropium bromide, fenoterol, salbutamol and terbutaline in nebulizer solution. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1994, 12, 825-832.	2.8	37
8	Bicycle injuries: road trauma is not the only concern. <i>Australian and New Zealand Journal of Public Health</i> , 1998, 22, 451-455.	1.8	35
9	Anabolic and lipolytic actions of beta ₂ -agonists in humans and antidoping challenges. <i>Drug Testing and Analysis</i> , 2020, 12, 597-609.	2.6	33
10	LC-MS method for the determination of albuterol enantiomers in human plasma using manual solid-phase extraction and a non-deuterated internal standard. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003, 31, 1237-1243.	2.8	29
11	Determination of ceftiofur in bovine plasma by HPLC-DAD. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 40, 1249-1252.	2.8	29
12	Citrus bioflavonoids dipeptidyl peptidase-4 inhibition compared with gliptin antidiabetic medications. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 21-25.	2.1	29
13	In vitro antioxidant, antiplatelet and anti-inflammatory activity of <i>Carpobrotus rossii</i> (pigface) extract. <i>Journal of Ethnopharmacology</i> , 2011, 134, 97-103.	4.1	26
14	Plasma glutathione peroxidase by ELISA and relationship to selenium level. <i>Clinica Chimica Acta</i> , 2006, 369, 100-103.	1.1	23
15	Elevated plasma glutathione peroxidase concentration in acute severe asthma: Comparison with plasma glutathione peroxidase activity, selenium and malondialdehyde. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2007, 67, 423-430.	1.2	23
16	Effects of Heparin and Enoxaparin on APP Processing and $A\beta$ Production in Primary Cortical Neurons from Tg2576 Mice. <i>PLoS ONE</i> , 2011, 6, e23007.	2.5	23
17	Modulation of flavonoid and tannin production of <i>Carpobrotus rossii</i> by environmental conditions. <i>Environmental and Experimental Botany</i> , 2013, 87, 19-31.	4.2	23
18	Beta ₂ -adrenergic stimulation increases energy expenditure at rest, but not during submaximal exercise in active overweight men. <i>European Journal of Applied Physiology</i> , 2017, 117, 1907-1915.	2.5	23

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19	SULT 1A3 single nucleotide polymorphism and the single dose pharmacokinetics of inhaled salbutamol enantiomers: Are some athletes at risk of higher urine levels?. <i>Drug Testing and Analysis</i> , 2015, 7, 109-113.	2.6	22
20	Beta ₂ -adrenergic agonist clenbuterol increases energy expenditure and fat oxidation, and induces mTOR phosphorylation in skeletal muscle of young healthy men. <i>Drug Testing and Analysis</i> , 2020, 12, 610-618.	2.6	20
21	Biological Monitoring of Low Level Occupational Xylene Exposure and the Role of Recent Exposure. <i>Annals of Occupational Hygiene</i> , 2003, 47, 331-6.	1.9	19
22	Bronchopulmonary pharmacokinetics of (R)-salbutamol and (S)-salbutamol enantiomers in pulmonary epithelial lining fluid and lung tissue of horses. <i>British Journal of Clinical Pharmacology</i> , 2017, 83, 1436-1445.	2.4	19
23	Investigation of the Effect of Heating on the Chemistry and Antifactor Xa Activity of Enoxaparin. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 1700-1711.	3.3	18
24	Plasma glutathione peroxidase (GSH-Px) concentration is elevated in rheumatoid arthritis: a case-control study. <i>Clinical Rheumatology</i> , 2012, 31, 1543-1547.	2.2	17
25	Enantioselective disposition of (R/S)-albuterol in skeletal and cardiac muscle. <i>Drug Testing and Analysis</i> , 2014, 6, 563-567.	2.6	16
26	Investigation of Freezing- and Thawing-Induced Biological, Chemical, and Physical Changes to Enoxaparin Solution. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 1118-1128.	3.3	15
27	Beta2-Agonist Doping Control and Optical Isomer Challenges. <i>Sports Medicine</i> , 2016, 46, 1787-1795.	6.5	15
28	Size and sulfation are critical for the effect of heparin on APP processing and A β production. <i>Journal of Neurochemistry</i> , 2012, 123, 447-457.	3.9	14
29	Enantioselective disposition of (R)-salmeterol and (S)-salmeterol in urine following inhaled dosing and application to doping control. <i>Drug Testing and Analysis</i> , 2017, 9, 1262-1266.	2.6	14
30	Changes in biomarkers of cardiac dysfunction during exacerbations of chronic obstructive pulmonary disease. <i>Respiratory Medicine</i> , 2018, 145, 192-199.	2.9	14
31	Increased Selenium Concentrations in Seronorm Trace Elements Serum (Level 2). <i>Clinical Chemistry</i> , 2004, 50, 1481-1482.	3.2	13
32	An Abductive Inference Approach to Assess the Performance-Enhancing Effects of Drugs Included on the World Anti-Doping Agency Prohibited List. <i>Sports Medicine</i> , 2021, 51, 1353-1376.	6.5	13
33	The effect of varenicline and nicotine patch on smoking rate and satisfaction with smoking: an examination of the mechanism of action of two pre-quit pharmacotherapies. <i>Psychopharmacology</i> , 2017, 234, 1969-1976.	3.1	11
34	Long-Acting β ₂ -Agonists in Asthma: Enantioselective Safety Studies are Needed. <i>Drug Safety</i> , 2018, 41, 441-449.	3.2	11
35	Enantioselective disposition of (R)-formoterol, (S)-formoterol and their respective glucuronides in urine following single inhaled dosing and application to doping control. <i>Drug Testing and Analysis</i> , 2019, 11, 950-956.	2.6	11
36	Terbutaline: level the playing field for inhaled β ₂ -agonists by introducing a dosing and urine threshold. <i>British Journal of Sports Medicine</i> , 2017, 51, 1323-1324.	6.7	10

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37	Selenium status in Southern Tasmania. <i>European Journal of Clinical Nutrition</i> , 2007, 61, 1057-1063.	2.9	9
38	Beta ₂ -adrenergic ligand racemic formoterol exhibits enantioselective disposition in blood and skeletal muscle of humans, and elicits myocellular PKA signaling at therapeutic inhaled doses. <i>Drug Testing and Analysis</i> , 2019, 11, 1048-1056.	2.6	9
39	(R,S)-Salbutamol plasma concentrations in severe asthma. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 2003, 28, 235-238.	1.5	8
40	In vitro stability of enoxaparin solutions (20 mg/mL) diluted in 4% glucose. <i>Clinical Therapeutics</i> , 2008, 30, 1880-1885.	2.5	8
41	Determination of pergolide in horse plasma by UPLC-MS/MS for pharmacokinetic applications. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 94, 54-57.	2.8	8
42	Asperuloside Enhances Taste Perception and Prevents Weight Gain in High-Fat Fed Mice. <i>Frontiers in Endocrinology</i> , 2021, 12, 615446.	3.5	8
43	Beta ₂ -adrenergic agonists can enhance intense performance and muscle strength in healthy individuals. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 2318-2319.	5.7	8
44	Selenoprotein P Analysis in Human Plasma: A Discrepancy Between HPLC Fractionation of Human Plasma with Heparin-Affinity Chromatography and SDS-PAGE with Immunoblot Analysis. <i>Biological Trace Element Research</i> , 2005, 107, 213-220.	3.5	7
45	Effect of celecoxib on cyclooxygenase-2 expression and possible variants in a patient with Barrett's esophagus. <i>Ecological Management and Restoration</i> , 2007, 20, 265-268.	0.4	7
46	Stability of ipratropium bromide and salbutamol nebuliser admixtures. <i>International Journal of Pharmacy Practice</i> , 2011, 3, 169-173.	0.6	7
47	Peripheral treatment with enoxaparin exacerbates amyloid plaque pathology in Tg2576 mice. <i>Journal of Neuroscience Research</i> , 2017, 95, 992-999.	2.9	7
48	Determination of Albuterol Enantiomers in Animal Tissue Matrices by LC-MS/MS: Application in Therapeutic Myoanabolic Studies. <i>Chromatographia</i> , 2011, 74, 355-358.	1.3	6
49	Hypolipidaemic effect of crude extract from <i>Carpobrotus rossii</i> (pigface) in healthy rats. <i>Food and Chemical Toxicology</i> , 2014, 66, 134-139.	3.6	6
50	Relationship between cotinine and trans-3-hydroxycotinine glucuronidation and the nicotine metabolite ratio in Caucasian smokers. <i>Biomarkers</i> , 2014, 19, 679-683.	1.9	6
51	Pharmacokinetic and pharmacodynamic effects of 2 registered omeprazole preparations and varying dose rates in horses. <i>Journal of Veterinary Internal Medicine</i> , 2021, 35, 620-631.	1.6	6
52	Evaluation of a covered-rod silicone implant containing ivermectin for long-term prevention of heartworm infection in dogs. <i>American Journal of Veterinary Research</i> , 2006, 67, 1564-1569.	0.6	4
53	Albuterol enantiomer levels, lung function and QTc interval in patients with acute severe asthma and COPD in the emergency department. <i>International Journal of Emergency Medicine</i> , 2011, 4, 30.	1.6	4
54	Determination of Nicotine in Cartridge-Based Electronic Cigarettes. <i>Analytical Letters</i> , 2015, 48, 2715-2722.	1.8	4

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55	Phytosterol supplements do not inhibit dipeptidyl peptidase-4. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2020, 14, 1475-1478.	3.6	4
56	Determination of Cotinine, 3- ² -Hydroxycotinine, and Their Glucuronides in Urine by Ultra-high Performance Liquid Chromatography. <i>Analytical Letters</i> , 2015, 48, 1217-1233.	1.8	3
57	Salmeterol undergoes enantioselective bronchopulmonary distribution with receptor localisation a likely determinant of duration of action. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 154, 102-107.	2.8	3
58	The salmeterol anomaly and the need for a urine threshold. <i>Drug Testing and Analysis</i> , 2022, 14, 997-1003.	2.6	3
59	Reliability of <i>Haemophilus influenzae</i> biofilm measurement via static method, and determinants of in vitro biofilm production. <i>Canadian Journal of Microbiology</i> , 2016, 62, 1013-1020.	1.7	2
60	Application of an assay for 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanol (NNAL) in urine for the assessment of tobacco-related harm. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 131, 327-332.	2.8	2
61	Implementation of mouth rinsing after use of inhaled corticosteroids in Australia. <i>International Journal of Clinical Pharmacy</i> , 2021, 43, 549-555.	2.1	1
62	Protoanemonin Content Variation between <i>Clematis</i> spp.: Leaf, Stem and Root. <i>Natural Product Communications</i> , 2013, 8, 1934578X1300800.	0.5	0
63	Effect of one-week oral or inhaled salbutamol treatment with washout on repeated sprint performance in trained subjects. <i>Translational Sports Medicine</i> , 2021, 4, 241-249.	1.1	0