

Jane E Carland

List of Publications by Year in descending order

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56
papers

1,189
citations

430442

18
h-index

414034

32
g-index

57
all docs

57
docs citations

57
times ranked

1269
citing authors

#	ARTICLE	IF	CITATIONS
1	Clinical Pharmacokinetics in Kidney Disease. Clinical Journal of the American Society of Nephrology: CJASN, 2018, 13, 1085-1095.	2.2	142
2	Common Determinants of Single Channel Conductance within the Large Cytoplasmic Loop of 5-Hydroxytryptamine Type 3 and $\alpha 4\beta 2$ Nicotinic Acetylcholine Receptors. Journal of Biological Chemistry, 2006, 281, 8062-8071.	1.6	90
3	Glycine transport inhibitors for the treatment of pain. Trends in Pharmacological Sciences, 2014, 35, 423-430.	4.0	69
4	Methyllycaconitine analogues have mixed antagonist effects at nicotinic acetylcholine receptors. Bioorganic and Medicinal Chemistry, 2005, 13, 4565-4575.	1.4	61
5	Clinical Pharmacokinetics in Kidney Disease. Clinical Journal of the American Society of Nephrology: CJASN, 2018, 13, 1254-1263.	2.2	59
6	Characterization of the Effects of Charged Residues in the Intracellular Loop on Ion Permeation in $\alpha 1$ Glycine Receptor Channels. Journal of Biological Chemistry, 2009, 284, 2023-2030.	1.6	56
7	A Model Averaging/Selection Approach Improves the Predictive Performance of Model-Informed Precision Dosing: Vancomycin as a Case Study. Clinical Pharmacology and Therapeutics, 2021, 109, 175-183.	2.3	42
8	Structural Determinants of Ca^{2+} Permeability and Conduction in the Human 5-Hydroxytryptamine Type 3A Receptor. Journal of Biological Chemistry, 2008, 283, 19301-19313.	1.6	41
9	Novel structural determinants of single channel conductance and ion selectivity in 5-hydroxytryptamine type 3 and nicotinic acetylcholine receptors. Journal of Physiology, 2010, 588, 587-596.	1.3	41
10	Patients' use of mobile health applications: what general practitioners think. Family Practice, 2019, 36, 214-218.	0.8	38
11	Oleoyl carnitine inhibits glycine transport by $GLYT2$. British Journal of Pharmacology, 2013, 168, 891-902.	2.7	30
12	Molecular Determinants for Substrate Interactions with the Glycine Transporter GlyT2. ACS Chemical Neuroscience, 2018, 9, 603-614.	1.7	30
13	Synthesis and Characterization of Novel Acyl-Glycine Inhibitors of GlyT2. ACS Chemical Neuroscience, 2017, 8, 1949-1959.	1.7	29
14	Population Pharmacokinetic Models of Tacrolimus in Adult Transplant Recipients: A Systematic Review. Clinical Pharmacokinetics, 2020, 59, 1357-1392.	1.6	29
15	Identification of a 3rd Na^{+} Binding Site of the Glycine Transporter, GlyT2. PLoS ONE, 2016, 11, e0157583.	1.1	28
16	Charged Residues at the $\alpha 2$ Position of Human GABAC $\alpha 1$ Receptors Invert Ion Selectivity and Influence Open State Probability. Journal of Biological Chemistry, 2004, 279, 54153-54160.	1.6	27
17	Dynamic Modification of a Mutant Cytoplasmic Cysteine Residue Modulates the Conductance of the Human 5-HT3A Receptor. Journal of Biological Chemistry, 2007, 282, 6172-6182.	1.6	25
18	Allopurinol: insights from studies of dose-response relationships. Expert Opinion on Drug Metabolism and Toxicology, 2017, 13, 449-462.	1.5	21

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19	Glycine transporter2 inhibitors: Getting the balance right. <i>Neurochemistry International</i> , 2016, 98, 89-93.	1.9	20
20	Mutations of the ϵ^2 proline in the M2 domain of the human GABAC α_1 subunit alter agonist responses. <i>Neuropharmacology</i> , 2004, 46, 770-781.	2.0	18
21	Researchers's™ views on, and experiences with, the requirement to obtain informed consent in research involving human participants: a qualitative study. <i>BMC Medical Ethics</i> , 2020, 21, 93.	1.0	18
22	Assessing the accuracy of two Bayesian forecasting programs in estimating vancomycin drug exposure. <i>Journal of Antimicrobial Chemotherapy</i> , 2020, 75, 3293-3302.	1.3	18
23	Evaluation of a Pilot Vancomycin Precision Dosing Advisory Service on Target Exposure Attainment Using an Interrupted Time Series Analysis. <i>Clinical Pharmacology and Therapeutics</i> , 2021, 109, 212-221.	2.3	16
24	Are vancomycin dosing guidelines followed? A mixed methods study of vancomycin prescribing practices. <i>British Journal of Clinical Pharmacology</i> , 2021, 87, 4221-4229.	1.1	16
25	Lipid inhibitors of high affinity glycine transporters: Identification of a novel class of analgesics. <i>Neurochemistry International</i> , 2014, 73, 211-216.	1.9	15
26	Barriers and facilitators of appropriate vancomycin use: prescribing context is key. <i>European Journal of Clinical Pharmacology</i> , 2018, 74, 1523-1529.	0.8	15
27	Novel structural determinants of single-channel conductance in nicotinic acetylcholine and 5-hydroxytryptamine type-3 receptors. <i>Biochemical Society Transactions</i> , 2006, 34, 882-886.	1.6	14
28	Mutagenic Analysis of the Intracellular Portals of the Human 5-HT3A Receptor. <i>Journal of Biological Chemistry</i> , 2013, 288, 31592-31601.	1.6	14
29	Would they trust it? An exploration of psychosocial and environmental factors affecting prescriber acceptance of computerised dose recommendation software. <i>British Journal of Clinical Pharmacology</i> , 2021, 87, 1215-1233.	1.1	14
30	Structurally Diverse GABA Antagonists Interact Differently with Open and Closed Conformational States of the α_1 Receptor. <i>ACS Chemical Neuroscience</i> , 2012, 3, 293-301.	1.7	13
31	The safety and pharmacokinetics of metformin in patients with chronic liver disease. <i>Alimentary Pharmacology and Therapeutics</i> , 2020, 51, 565-575.	1.9	12
32	Is the use of metformin in patients undergoing dialysis hazardous for life? A systematic review of the safety of metformin in patients undergoing dialysis. <i>British Journal of Clinical Pharmacology</i> , 2019, 85, 2772-2783.	1.1	11
33	Comparison of the Area Under the Curve for Vancomycin Estimated Using Compartmental and Noncompartmental Methods in Adult Patients With Normal Renal Function. <i>Therapeutic Drug Monitoring</i> , 2019, 41, 726-731.	1.0	11
34	Accuracy of documented administration times for intravenous antimicrobial drugs and impact on dosing decisions. <i>British Journal of Clinical Pharmacology</i> , 2021, 87, 4273-4282.	1.1	11
35	Education to improve vancomycin use: the perspectives of educators and education recipients. <i>Internal Medicine Journal</i> , 2020, 50, 565-572.	0.5	10
36	Voriconazole: an audit of hospital-based dosing and monitoring and evaluation of the predictive performance of a dose-prediction software package. <i>Journal of Antimicrobial Chemotherapy</i> , 2020, 75, 1981-1984.	1.3	10

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37	Relative impact of residues at the intracellular and extracellular ends of the human GABA _A receptor M2 domain on picrotoxinin activity. <i>European Journal of Pharmacology</i> , 2008, 580, 27-35.	1.7	9
38	Differentiating Enantioselective Actions of GABOB: A Possible Role for Threonine 244 in the Binding Site of GABA _C Receptors. <i>ACS Chemical Neuroscience</i> , 2012, 3, 665-673.	1.7	8
39	Determination of febuxostat in human plasma by high performance liquid chromatography (HPLC) with fluorescence-detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1126-1127, 121764.	1.2	7
40	External divalent cations increase anion/cation permeability ratio in glycine receptor channels. <i>Pflügers Archiv European Journal of Physiology</i> , 2010, 460, 131-152.	1.3	6
41	Evaluation of amikacin use and comparison of the models implemented in two Bayesian forecasting software packages to guide dosing. <i>British Journal of Clinical Pharmacology</i> , 2021, 87, 1422-1431.	1.1	6
42	Factors Determining Medical Students' Experience in an Independent Research Year During the Medical Program. <i>Medical Science Educator</i> , 2021, 31, 1471-1478.	0.7	6
43	Management of gout in older people. <i>Journal of Pharmacy Practice and Research</i> , 2019, 49, 90-97.	0.5	5
44	Usability of Reports Generated by a Computerised Dose Prediction Software. <i>Studies in Health Technology and Informatics</i> , 2018, 252, 27-32.	0.2	5
45	A pharmacokinetic/pharmacodynamic study of a single dose of febuxostat in healthy subjects. <i>British Journal of Clinical Pharmacology</i> , 2020, 86, 2486-2496.	1.1	4
46	Tacrolimus Therapy in Adult Heart Transplant Recipients. <i>Therapeutic Drug Monitoring</i> , 2021, Publish Ahead of Print, 736-746.	1.0	3
47	Evaluation of published population pharmacokinetic models to inform tacrolimus dosing in adult heart transplant recipients. <i>British Journal of Clinical Pharmacology</i> , 2021, , .	1.1	3
48	Would they accept it? An interview study to identify barriers and facilitators to user acceptance of a prescribing advice service. <i>BMC Health Services Research</i> , 2022, 22, 514.	0.9	3
49	Australian hospital outpatient pharmacies: service adaptations during the 2020 national coronavirus disease 2019 lockdown. <i>Journal of Pharmacy Practice and Research</i> , 2022, 52, 326-328.	0.5	3
50	Rebranding Gout: Could a Name Change for Gout Improve Adherence to Urate-Lowering Therapy?. <i>Therapeutic Innovation and Regulatory Science</i> , 2021, 55, 138-141.	0.8	2
51	Experiences of Australian women on returning to work after miscarriage. <i>Community, Work and Family</i> , 2023, 26, 258-267.	1.5	2
52	Could metformin be used in patients with advanced chronic kidney disease?. <i>Diabetes, Obesity and Metabolism</i> , 2017, 19, 302-303.	2.2	1
53	A Hydrophobic Area of the GABA _A Receptor Containing Phenylalanine 124 Influences Both Receptor Activation and Deactivation. <i>Journal of Molecular Neuroscience</i> , 2015, 55, 305-313.	1.1	0
54	Lactic Acidosis, Metformin Use, and Dose-Response Association. <i>JAMA Internal Medicine</i> , 2018, 178, 1428.	2.6	0

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55	Anion selectivity and counterion cation permeation in glycine receptor channels. FASEB Journal, 2012, 26, 901.2.	0.2	0
56	Molecular Basis for Substrate and Inhibitor Interactions with the Glycine Transporter, GlyT2. FASEB Journal, 2015, 29, 566.6.	0.2	0