

Frank Sinner

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

4,107
citations

279798

23
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206112

48
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all docs

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docs citations

48
times ranked

8081
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of topical formulations using a combination of in vitro methods to quantify the transdermal passive diffusion of drugs. <i>International Journal of Pharmaceutics</i> , 2022, 620, 121737.	5.2	6
2	Electronic Diabetes Management System Replaces Paper Insulin Chart: Improved Quality in Diabetes Inpatient Care Processes Due to Digitalization. <i>Journal of Diabetes Science and Technology</i> , 2021, 15, 222-230.	2.2	2
3	Dietary spermidine improves cognitive function. <i>Cell Reports</i> , 2021, 35, 108985.	6.4	98
4	Characterizing Cutaneous Drug Delivery Using Open-Flow Microperfusion and Mass Spectrometry Imaging. <i>Molecular Pharmaceutics</i> , 2021, 18, 3063-3072.	4.6	9
5	Comparative in vitro release testing (IVRT) of acyclovir products. <i>International Journal of Pharmaceutics</i> , 2021, 609, 121186.	5.2	6
6	Evaluating Dermal Pharmacokinetics and Pharmacodynamic Effect of Soft Topical PDE4 Inhibitors: Open Flow Microperfusion and Skin Biopsies. <i>Pharmaceutical Research</i> , 2020, 37, 243.	3.5	11
7	Study protocol for assessing the user acceptance, safety and efficacy of a tablet-based workflow and decision support system with incorporated basal insulin algorithm for glycaemic management in participants with type 2 diabetes receiving home health care: A single-centre, open-label, uncontrolled proof-of-concept study. <i>Contemporary Clinical Trials Communications</i> , 2020, 19, 100620.	1.1	3
8	Variability of Skin Pharmacokinetic Data: Insights from a Topical Bioequivalence Study Using Dermal Open Flow Microperfusion. <i>Pharmaceutical Research</i> , 2020, 37, 204.	3.5	14
9	Insulin Distribution in Human Adipose Tissue via a Novel Insulin Infusion Catheter. <i>Diabetes Technology and Therapeutics</i> , 2019, 21, 740-744.	4.4	2
10	Alternate Day Fasting Improves Physiological and Molecular Markers of Aging in Healthy, Non-obese Humans. <i>Cell Metabolism</i> , 2019, 30, 462-476.e6.	16.2	256
11	LC/MS/MS analyses of open-flow microperfusion samples quantify eicosanoids in a rat model of skin inflammation. <i>Journal of Lipid Research</i> , 2019, 60, 758-766.	4.2	11
12	The flavonoid 4,4'-dimethoxychalcone promotes autophagy-dependent longevity across species. <i>Nature Communications</i> , 2019, 10, 651.	12.8	100
13	Comparison of cerebral Open Flow Microperfusion and Microdialysis when sampling small lipophilic and small hydrophilic substances. <i>Journal of Neuroscience Methods</i> , 2019, 311, 394-401.	2.5	13
14	Quantification of acyclovir in dermal interstitial fluid and human serum by ultra-high-performance liquid chromatography-tandem mass spectrometry for topical bioequivalence evaluation. <i>Biomedical Chromatography</i> , 2018, 32, e4194.	1.7	9
15	A comprehensive approach to qualify and validate the essential parameters of an in vitro release test (IVRT) method for acyclovir cream, 5%. <i>International Journal of Pharmaceutics</i> , 2018, 535, 217-227.	5.2	35
16	Quantification of Basal Insulin Peglispro and Human Insulin in Adipose Tissue Interstitial Fluid by Open-Flow Microperfusion. <i>Diabetes Technology and Therapeutics</i> , 2017, 19, 305-314.	4.4	7
17	Assessment of skin permeability to topically applied drugs by skin impedance and admittance. <i>Physiological Measurement</i> , 2017, 38, N138-N150.	2.1	7
18	Î²-Defensin 2 is a responsive biomarker of IL-17A-driven skin pathology in patients with psoriasis. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 923-932.e8.	2.9	175

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19	Open Flow Microperfusion as a Dermal Pharmacokinetic Approach to Evaluate Topical Bioequivalence. <i>Clinical Pharmacokinetics</i> , 2017, 56, 91-98.	3.5	67
20	Cerebral open flow microperfusion (cOFM) an innovative interface to brain tissue. <i>Drug Discovery Today: Technologies</i> , 2016, 20, 19-25.	4.0	20
21	Determination of 2H-enrichment of rat brain interstitial fluid and rat plasma by headspace-gas-chromatography " quadrupole-mass-spectrometry. <i>Analytical Biochemistry</i> , 2016, 509, 130-134.	2.4	1
22	Secukinumab distributes into dermal interstitial fluid of psoriasis patients as demonstrated by open flow microperfusion. <i>Experimental Dermatology</i> , 2016, 25, 157-159.	2.9	38
23	Kinetics of Clobetasol-17-Propionate in Psoriatic Lesional and Non-Lesional Skin Assessed by Dermal Open Flow Microperfusion with Time and Space Resolution. <i>Pharmaceutical Research</i> , 2016, 33, 2229-2238.	3.5	18
24	Matrix removal in state of the art sample preparation methods for serum by charged aerosol detection and metabolomics-based LC-MS. <i>Analytica Chimica Acta</i> , 2016, 915, 56-63.	5.4	6
25	Accumulation of Basic Amino Acids at Mitochondria Dictates the Cytotoxicity of Aberrant Ubiquitin. <i>Cell Reports</i> , 2015, 10, 1557-1571.	6.4	52
26	Modeling non-hereditary mechanisms of Alzheimer disease during apoptosis in yeast. <i>Microbial Cell</i> , 2015, 2, 136-138.	3.2	8
27	Long-Term Implanted cOFM Probe Causes Minimal Tissue Reaction in the Brain. <i>PLoS ONE</i> , 2014, 9, e90221.	2.5	18
28	A histone point mutation that switches on autophagy. <i>Autophagy</i> , 2014, 10, 1143-1145.	9.1	18
29	Acetyl-coenzyme A. <i>Autophagy</i> , 2014, 10, 1335-1337.	9.1	42
30	Nucleocytosolic Depletion of the Energy Metabolite Acetyl-Coenzyme A Stimulates Autophagy and Prolongs Lifespan. <i>Cell Metabolism</i> , 2014, 19, 431-444.	16.2	221
31	Regulation of Autophagy by Cytosolic Acetyl-Coenzyme A. <i>Molecular Cell</i> , 2014, 53, 710-725.	9.7	412
32	Enhanced Doxorubicin Delivery to the Brain Administered Through Glutathione PEGylated Liposomal Doxorubicin (2B3-101) as Compared with Generic Caelyx,®/Doxil®"A Cerebral Open Flow Microperfusion Pilot Study. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 1945-1948.	3.3	87
33	Polyamines in biological samples: Rapid and robust quantification by solid-phase extraction online-coupled to liquid chromatography" tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2014, 1331, 44-51.	3.7	65
34	Assessment of Blood-Brain Barrier Function and the Neuroinflammatory Response in the Rat Brain by Using Cerebral Open Flow Microperfusion (cOFM). <i>PLoS ONE</i> , 2014, 9, e98143.	2.5	51
35	Autophagy extends lifespan via vacuolar acidification. <i>Microbial Cell</i> , 2014, 1, 160-162.	3.2	13
36	Restoring polyamines protects from age-induced memory impairment in an autophagy-dependent manner. <i>Nature Neuroscience</i> , 2013, 16, 1453-1460.	14.8	283

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37	Open Flow Microperfusion: An Alternative Method to Microdialysis?. AAPS Advances in the Pharmaceutical Sciences Series, 2013, , 283-302.	0.6	10
38	Enhanced Absorption of Insulin Aspart as the Result of a Dispersed Injection Strategy Tested in a Randomized Trial in Type 1 Diabetic Patients. Diabetes Care, 2013, 36, 780-785.	8.6	22
39	Cerebral open flow microperfusion: A new <i>in vivo</i> technique for continuous measurement of substance transport across the intact blood-brain barrier. Clinical and Experimental Pharmacology and Physiology, 2013, 40, 864-871.	1.9	34
40	Dermal PK/PD of a lipophilic topical drug in psoriatic patients by continuous intradermal membrane-free sampling. European Journal of Pharmaceutics and Biopharmaceutics, 2012, 81, 635-641.	4.3	40
41	Induction of autophagy by spermidine promotes longevity. Nature Cell Biology, 2009, 11, 1305-1314.	10.3	1,302
42	Measurement of interstitial insulin in human adipose and muscle tissue under moderate hyperinsulinemia by means of direct interstitial access. American Journal of Physiology - Endocrinology and Metabolism, 2005, 289, E296-E300.	3.5	49
43	Tailor-made polymer supports via metathesis polymerization: concepts and applications. Macromolecular Symposia, 2001, 163, 25-34.	0.7	9
44	Evaluation of norbornene- β -cyclodextrin-based monomers and oligomers as chiral selectors by means of nonaqueous capillary electrophoresis. Electrophoresis, 2001, 22, 109-116.	2.4	18
45	Chiral β -cyclodextrin-based polymer supports prepared via ring-opening metathesis graft-polymerization. Journal of Chromatography A, 2001, 907, 47-56.	3.7	26
46	A New Class of Continuous Polymer Supports Prepared by Ring-Opening Metathesis Polymerization: A Straightforward Route to Functionalized Monoliths. Macromolecules, 2000, 33, 5777-5786.	4.8	156
47	Ring-Opening Metathesis Polymerization for the Preparation of Surface-Grafted Polymer Supports. Macromolecules, 2000, 33, 32-39.	4.8	135
48	Dipyridyl Amide-Functionalized Polymers Prepared by Ring-Opening-Metathesis Polymerization (ROMP) for the Selective Extraction of Mercury and Palladium. Journal of the American Chemical Society, 1998, 120, 2790-2797.	13.7	122