

Bonnie A Avery

List of Publications by Year in descending order

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41
papers

1,267
citations

331670

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docs citations

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times ranked

976
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#	ARTICLE	IF	CITATIONS
1	Suspected Adulteration of Commercial Kratom Products with 7-Hydroxymitragynine. <i>Journal of Medical Toxicology</i> , 2016, 12, 341-349.	1.5	93
2	Investigation of the Adrenergic and Opioid Binding Affinities, Metabolic Stability, Plasma Protein Binding Properties, and Functional Effects of Selected Indole-Based Kratom Alkaloids. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 433-439.	6.4	92
3	Kratom policy: The challenge of balancing therapeutic potential with public safety. <i>International Journal of Drug Policy</i> , 2019, 70, 70-77.	3.3	83
4	New Positron Emission Tomography (PET) Radioligand for Imaging μ -1 Receptors in Living Subjects. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 8272-8282.	6.4	81
5	Metabolite profiling and identification of enzymes responsible for the metabolism of mitragynine, the major alkaloid of <i>Mitragyna speciosa</i> (kratom). <i>Xenobiotica</i> , 2019, 49, 1279-1288.	1.1	70
6	Rapid determination of artemisinin and related analogues using high-performance liquid chromatography and an evaporative light scattering detector. <i>Biomedical Applications</i> , 1999, 730, 71-80.	1.7	65
7	Simultaneous quantification of ten key Kratom alkaloids in <i>Mitragyna speciosa</i> leaf extracts and commercial products by ultra-performance liquid chromatography-tandem mass spectrometry. <i>Drug Testing and Analysis</i> , 2019, 11, 1162-1171.	2.6	62
8	Patterns and reasons for kratom (<i>Mitragyna speciosa</i>) use among current and former opioid poly-drug users. <i>Journal of Ethnopharmacology</i> , 2020, 249, 112462.	4.1	61
9	Evaluating the hematological and clinical-chemistry parameters of kratom (<i>Mitragyna speciosa</i>) users in Malaysia. <i>Journal of Ethnopharmacology</i> , 2018, 214, 197-206.	4.1	49
10	Evaluation of μ -1 Receptor Radioligand ¹⁸ F-FTC-146 in Rats and Squirrel Monkeys Using PET. <i>Journal of Nuclear Medicine</i> , 2014, 55, 147-153.	5.0	44
11	The effects of mitragynine and morphine on schedule-controlled responding and antinociception in rats. <i>Psychopharmacology</i> , 2019, 236, 2725-2734.	3.1	40
12	Lyophilized Kratom Tea as a Therapeutic Option for Opioid Dependence. <i>Drug and Alcohol Dependence</i> , 2020, 216, 108310.	3.2	40
13	Carrier-Mediated Partitioning of Artemisinin into Plasmodium falciparum -Infected Erythrocytes. <i>Antimicrobial Agents and Chemotherapy</i> , 2002, 46, 105-109.	3.2	36
14	Comparative Pharmacokinetics of Mitragynine after Oral Administration of <i>Mitragyna speciosa</i> (Kratom) Leaf Extracts in Rats. <i>Planta Medica</i> , 2019, 85, 340-346.	1.3	36
15	Exploration of cytochrome P450 inhibition mediated drug-drug interaction potential of kratom alkaloids. <i>Toxicology Letters</i> , 2020, 319, 148-154.	0.8	36
16	Metabolism of a Kratom Alkaloid Metabolite in Human Plasma Increases Its Opioid Potency and Efficacy. <i>ACS Pharmacology and Translational Science</i> , 2020, 3, 1063-1068.	4.9	36
17	Discovery of a Highly Selective Sigma-2 Receptor Ligand, 1-(4-(6,7-Dimethoxy-3,4-dihydroisoquinolin-2(1H)-yl)butyl)-3-methyl-1H-benzo[d]imidazol-2(3H)-one (CM398), with Drug-Like Properties and Antinociceptive Effects In Vivo. <i>AAPS Journal</i> , 2020, 22, 94.	4.4	33
18	Pharmacokinetics of Eleven Kratom Alkaloids Following an Oral Dose of Either Traditional or Commercial Kratom Products in Rats. <i>Journal of Natural Products</i> , 2021, 84, 1104-1112.	3.0	29

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19	Simple, Sensitive, High-Throughput Method for the Quantification of Mitragynine in Rat Plasma Using UPLC-MS and Its Application to an Intravenous Pharmacokinetic Study. <i>Chromatographia</i> , 2011, 74, 703-710.	1.3	28
20	Ultra-performance liquid chromatography-tandem mass spectrometric method for the determination of Artemisinin in rat serum and its application in pharmacokinetics. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 867, 131-137.	2.3	25
21	Biotransformation of 10-deoxoartemisinin to its 7 ^β -hydroxy derivative by <i>Mucor ramannianus</i> . <i>Biotechnology Letters</i> , 2002, 24, 937-941.	2.2	24
22	Pharmacokinetics and Safety of Mitragynine in Beagle Dogs. <i>Planta Medica</i> , 2020, 86, 1278-1285.	1.3	19
23	Analysis of CoQ10 in rat serum by ultra-performance liquid chromatography mass spectrometry after oral administration. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 46, 137-142.	2.8	18
24	Synthesis and Pharmacological Characterization of a Novel Sigma Receptor Ligand with Improved Metabolic Stability and Antagonistic Effects Against Methamphetamine. <i>AAPS Journal</i> , 2012, 14, 43-51.	4.4	18
25	Effects of Nutrient Fertility on Growth and Alkaloidal Content in <i>Mitragyna speciosa</i> (Kratom). <i>Frontiers in Plant Science</i> , 2020, 11, 597696.	3.6	17
26	Ultra-performance liquid chromatography tandem mass spectrometry method for the determination of AZ66, a sigma receptor ligand, in rat plasma and its application to <i>in vivo</i> pharmacokinetics. <i>Biomedical Chromatography</i> , 2013, 27, 1034-1040.	1.7	14
27	Bioanalytical method development and validation of corynantheidine, a kratom alkaloid, using UPLC-MS/MS, and its application to preclinical pharmacokinetic studies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 180, 113019.	2.8	14
28	Development and validation of a UPLC-MS/MS method for the determination of 7 ^β -hydroxymitragynine, a μ -opioid agonist, in rat plasma and its application to a pharmacokinetic study. <i>Biomedical Chromatography</i> , 2013, 27, 1726-1732.	1.7	12
29	<i>In vitro</i> erythrocytic uptake studies of artemisinin and selected derivatives using LC-MS and 2D-QSAR analysis of uptake in parasitized erythrocytes. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 5325-5331.	3.0	11
30	Plant growth and phytoactive alkaloid synthesis in kratom [<i>Mitragyna speciosa</i> (Korth.)] in response to varying radiance. <i>PLoS ONE</i> , 2022, 17, e0259326.	2.5	11
31	Quantification of highly selective sigma-1 receptor antagonist CM304 using liquid chromatography tandem mass spectrometry and its application to a pre-clinical pharmacokinetic study. <i>Drug Testing and Analysis</i> , 2017, 9, 1236-1242.	2.6	10
32	Preclinical pharmacokinetic study of speciocilatine, a kratom alkaloid, in rats using an UPLC-MS/MS method. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 194, 113778.	2.8	10
33	Terpenes from <i>Eunicea Laciniata</i> and <i>Plexaurella Nutans</i> . <i>Journal of Chemical Research</i> , 2006, 2006, 165-167.	1.3	8
34	Determination of a highly selective mixed-affinity sigma receptor ligand, in rat plasma by ultra performance liquid chromatography mass spectrometry and its application to a pharmacokinetic study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 891-892, 1-6.	2.3	8
35	Regulatory sampling of industrial hemp plant samples (<i>Cannabis sativa</i> L.) using UPLC-MS/MS method for detection and quantification of twelve cannabinoids. <i>Journal of Cannabis Research</i> , 2020, 2, 42.	3.2	8
36	Determination of antimalarial compound, ARB-89 (7 ^β -hydroxy-artemisinin carbamate) in rat serum by UPLC/MS/MS and its application in pharmacokinetics. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 889-890, 123-129.	2.3	7

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37	Urinary Excretion Study of Coenzyme Q10 in Rats by Ultra-Performance Liquid Chromatography-Mass Spectrometry. <i>Journal of Chromatographic Science</i> , 2008, 46, 215-219.	1.4	6
38	A pharmacokinetic comparison of homodimer ARB-92 and heterodimer ARB-89: novel, potent antimalarial candidates derived from 7 ^β -hydroxyartemisinin. <i>Journal of Pharmaceutical Investigation</i> , 2018, 48, 585-593.	5.3	6
39	Exploring 1-adamantanamine as an alternative amine moiety for metabolically labile azepane ring in newly synthesized benzo[d]thiazol-2(3H)one α 1 receptor ligands. <i>Medicinal Chemistry Research</i> , 2020, 29, 1697-1706.	2.4	6
40	LC Determination of a Novel Synthetic Thiazolidinedione (BP-1107) in Rat Plasma and Its Application to a Pharmacokinetic Study. <i>Chromatographia</i> , 2008, 68, 551-555.	1.3	1
41	Bioanalytical method development and validation of MES207, a neuropeptide FF receptor antagonist, and its application in preclinical pharmacokinetics. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1134-1135, 121875.	2.3	0