

Georgia N Valsami

List of Publications by Year in descending order

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80
papers

1,746
citations

257450
24
h-index

315739
38
g-index

80
all docs

80
docs citations

80
times ranked

2204
citing authors

#	ARTICLE	IF	CITATIONS
1	Saffron: a natural product with potential pharmaceutical applications. <i>Journal of Pharmacy and Pharmacology</i> , 2015, 67, 1634-1649.	2.4	154
2	Quantitative Biopharmaceutics Classification System: The Central Role of Dose/Solubility Ratio. <i>Pharmaceutical Research</i> , 2003, 20, 1917-1925.	3.5	143
3	The power law can describe the entire™ drug release curve from HPMC-based matrix tablets: a hypothesis. <i>International Journal of Pharmaceutics</i> , 2003, 255, 199-207.	5.2	84
4	Identification of Biowaivers Among Class II Drugs: Theoretical Justification and Practical Examples. <i>Pharmaceutical Research</i> , 2004, 21, 1567-1572.	3.5	68
5	The impact of maternal- and neonatal-associated factors on human milk's macronutrients and energy. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2017, 30, 1302-1308.	1.5	62
6	Investigation of the Interactions of Silibinin with 2-Hydroxypropyl- β -cyclodextrin through Biophysical Techniques and Computational Methods. <i>Molecular Pharmaceutics</i> , 2015, 12, 954-965.	4.6	55
7	Mapping the interactions and bioactivity of quercetin- β -(2-hydroxypropyl)- β -cyclodextrin complex. <i>International Journal of Pharmaceutics</i> , 2016, 511, 303-311.	5.2	48
8	Determination of association constants in cyclodextrin/drug complexation using the Scatchard plot: application to beta-cyclodextrin-anilino-naphthalenesulfonates. <i>Pharmaceutical Research</i> , 1992, 09, 1568-1574.	3.5	45
9	Development of a reaction-limited model of dissolution: Application to official dissolution tests experiments. <i>International Journal of Pharmaceutics</i> , 2008, 355, 114-125.	5.2	44
10	Solubilization and quantification of lycopene in aqueous media in the form of cyclodextrin binary systems. <i>International Journal of Pharmaceutics</i> , 2006, 309, 115-122.	5.2	40
11	Serum and tissue pharmacokinetics of silibinin after per os and i.v. administration to mice as a HP- β -CD lyophilized product. <i>International Journal of Pharmaceutics</i> , 2015, 493, 366-373.	5.2	36
12	Complexation studies of cyclodextrins with tricyclic antidepressants using ion-selective electrodes. <i>Pharmaceutical Research</i> , 1992, 09, 94-100.	3.5	35
13	Preparation and Biophysical Characterization of Quercetin Inclusion Complexes with β -Cyclodextrin Derivatives to be Formulated as Possible Nose-to-Brain Quercetin Delivery Systems. <i>Molecular Pharmaceutics</i> , 2020, 17, 4241-4255.	4.6	35
14	<i>Crocus sativus</i> L. aqueous extract reduces atherogenesis, increases atherosclerotic plaque stability and improves glucose control in diabetic atherosclerotic animals. <i>Atherosclerosis</i> , 2018, 268, 207-214.	0.8	31
15	Improved outcomes of feeding low birth weight infants with predominantly raw human milk versus donor banked milk and formula. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2016, 29, 1131-1138.	1.5	30
16	Binding Studies of Ions with Cyclodextrins Using Ion-Selective Electrodes. <i>Journal of Pharmaceutical Sciences</i> , 1990, 79, 1087-1094.	3.3	29
17	Saffron (<i>Crocus sativus</i>) intake provides nutritional preconditioning against myocardial ischemia-reperfusion injury in Wild Type and ApoE (\sim/\sim) mice: Involvement of Nrf2 activation. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2017, 27, 919-929.	2.6	29
18	Determination of fractal reaction dimension in dissolution studies. <i>European Journal of Pharmaceutical Sciences</i> , 1995, 3, 163-169.	4.0	28

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19	Studies on the interaction of diflunisal ion with cyclodextrins using ion-selective electrode potentiometry. <i>European Journal of Pharmaceutical Sciences</i> , 1999, 7, 271-278.	4.0	28
20	Keeping a Critical Eye on the Science and the Regulation of Oral Drug Absorption: A Review. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 3018-3036.	3.3	28
21	Exploring the oxidation and iron binding profile of a cyclodextrin encapsulated quercetin complex unveiled a controlled complex dissociation through a chemical stimulus. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 1913-1924.	2.4	28
22	Construction of a naproxen ion-selective electrode and its application to pharmaceutical analysis. <i>Analyst</i> , The, 1989, 114, 387.	3.5	27
23	Nasal powders of quercetin- β -cyclodextrin derivatives complexes with mannitol/lecithin microparticles for Nose-to-Brain delivery: In vitro and ex vivo evaluation. <i>International Journal of Pharmaceutics</i> , 2021, 607, 121016.	5.2	27
24	Effect of Cyclodextrin Complexation on the Aqueous Solubility and Solubility/Dose Ratio of Praziquantel. <i>AAPS PharmSciTech</i> , 2009, 10, 1444-51.	3.3	26
25	Exploring the interactions of irbesartan and irbesartan- β -2-hydroxypropyl- β -cyclodextrin complex with model membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 1089-1098.	2.6	26
26	Binding study of the fluorescence probe 1-anilino-8-naphthalensulfonate to human plasma and human and bovine serum albumin using potentiometric titration. <i>Pharmaceutical Research</i> , 1991, 08, 888-892.	3.5	25
27	A displacement approach for competitive drug-protein binding studies using the potentiometric 1-anilino-8-naphthalene-sulfonate probe technique. <i>European Journal of Pharmaceutical Sciences</i> , 1999, 9, 123-130.	4.0	24
28	Silibinin Effect on Fas/FasL, HMGB1, and CD45 Expressions in a Rat Model Subjected to Liver Ischemia-Reperfusion Injury. <i>Journal of Investigative Surgery</i> , 2018, 31, 491-502.	1.3	24
29	Biopharmaceutics classification systems for new molecular entities (BCS-NMEs) and marketed drugs (BCS-MD): Theoretical basis and practical examples. <i>International Journal of Pharmaceutics</i> , 2008, 361, 70-77.	5.2	22
30	Elucidating the Role of Dose in the Biopharmaceutics Classification of Drugs: The Concepts of Critical Dose, Effective In Vivo Solubility, and Dose-Dependent BCS. <i>Pharmaceutical Research</i> , 2012, 29, 3188-3198.	3.5	22
31	Anti-inflammatory flurbiprofen nasal powders for nose-to-brain delivery in Alzheimer's disease. <i>Journal of Drug Targeting</i> , 2019, 27, 984-994.	4.4	21
32	Modeling of supersaturated dissolution data. <i>International Journal of Pharmaceutics</i> , 1999, 181, 153-157.	5.2	20
33	Modelling and simulation in drug absorption processes. <i>Xenobiotica</i> , 2007, 37, 1052-1065.	1.1	19
34	Preparation, chemical characterization and determination of crocetin's pharmacokinetics after oral and intravenous administration of saffron (<i>Crocus sativus</i> L.) aqueous extract to C57/BL6J mice. <i>Journal of Pharmacy and Pharmacology</i> , 2019, 71, 753-764.	2.4	19
35	Supersaturated dissolution data and their interpretation: the TPGS-carbamazepine model case. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 63, 352-361.	2.4	18
36	Mother's breast milk supplemented with donor milk reduces hospital and health service usage costs in low-birthweight infants. <i>Midwifery</i> , 2016, 40, 109-113.	2.3	17

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37	Host-Guest Interactions between Candesartan and Its Prodrug Candesartan Cilexetil in Complex with 2-Hydroxypropyl- β -cyclodextrin: On the Biological Potency for Angiotensin II Antagonism. <i>Molecular Pharmaceutics</i> , 2019, 16, 1255-1271.	4.6	17
38	Automated flow-injection technique for use in dissolution studies of sustained-release formulations: Application to iron(II) formulations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1994, 12, 635-641.	2.8	15
39	Silibinin Improves TNF- α and M30 Expression and Histological Parameters in Rat Kidneys After Hepatic Ischemia/Reperfusion. <i>Journal of Investigative Surgery</i> , 2018, 31, 201-209.	1.3	15
40	Silibinin-hydroxypropyl- β -cyclodextrin (SLB-HP- β -CD) complex prevents apoptosis in liver and kidney after hepatic ischemia-reperfusion injury. <i>Food and Chemical Toxicology</i> , 2020, 145, 111731.	3.6	15
41	Gas chromatographic-mass spectrometric quantitation of busulfan in human plasma for therapeutic drug monitoring: A new on-line derivatization procedure for the conversion of busulfan to 1,4-diiodobutane. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 90, 207-214.	2.8	14
42	In-vitro study on the competitive binding of diflunisal and uraemic toxins to serum albumin and human plasma using a potentiometric ion-probe technique. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 58, 1467-1474.	2.4	13
43	Bioassay for Determining Voriconazole Serum Levels in Patients Receiving Combination Therapy with Echinocandins. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 632-636.	3.2	13
44	The cardiovascular-protective properties of saffron and its potential pharmaceutical applications: A critical appraisal of the literature. <i>Phytotherapy Research</i> , 2021, 35, 6735-6753.	5.8	12
45	Pharmacokinetics of doripenem in CSF of patients with non-inflamed meninges. <i>Journal of Antimicrobial Chemotherapy</i> , 2012, 67, 1722-1729.	3.0	11
46	Statins™ Withdrawal Induces Atherosclerotic Plaque Destabilization in Animal Model: A Rebound-Stimulation of Inflammation. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2019, 24, 377-386.	2.0	11
47	Plasma profiles of lycopene after single oral and intravenous administrations in dogs. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 58, 1211-1217.	2.4	10
48	Nonalcoholic fatty liver disease: The role of quercetin and its therapeutic implications. <i>Saudi Journal of Gastroenterology</i> , 2021, 27, 319-330.	1.1	10
49	General Treatment of Competitive Binding as Applied to the Potentiometric Ion Probe Technique: Application to the Interaction of Nonsteroidal Anti-Inflammatory Drugs with Bovine Serum Albumin. <i>Journal of Pharmaceutical Sciences</i> , 1994, 83, 1150-1154.	3.3	9
50	Biopharmaceutical Classification Based on Solubility and Dissolution: A Reappraisal of Criteria for Hypothesis Models in the Light of the Experimental Observations. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2010, 106, 168-172.	2.5	9
51	Charting the structural and thermodynamic determinants in phenolic acid natural product β -cyclodextrin encapsulations. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 2642-2658.	3.5	9
52	Flurbiprofen sodium microparticles and soft pellets for nose-to-brain delivery: Serum and brain levels in rats after nasal insufflation. <i>International Journal of Pharmaceutics</i> , 2021, 605, 120827.	5.2	9
53	A Comprehensive Review of the Cardiovascular Protective Properties of Silibinin/Silymarin: A New Kid on the Block. <i>Pharmaceutics</i> , 2022, 15, 538.	3.8	9
54	Non-linear regression analysis with errors in both variables: estimation of co-operative binding parameters. <i>Biopharmaceutics and Drug Disposition</i> , 2000, 21, 7-14.	1.9	8

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55	Robust and Sensitive High-Performance Liquid Chromatographic-UV Detection Technique for the Determination of Tigecycline in Rabbit Plasma. <i>Journal of AOAC INTERNATIONAL</i> , 2011, 94, 847-856.	1.5	8
56	The effect of athletes' hyperhydration on the urinary "steroid profile"™ markers in doping control analysis. <i>Drug Testing and Analysis</i> , 2018, 10, 1458-1468.	2.6	8
57	Effect of pH and water-soluble polymers on the aqueous solubility of nimesulide in the absence and presence of β -cyclodextrin derivatives. <i>Journal of Pharmacy and Pharmacology</i> , 2008, 60, 1433-1439.	2.4	8
58	Use of 1-Anilino-8-naphthalenesulphonate as an Ion Probe for the Potentiometric Study of the Binding of Sulphonamides to Bovine Serum Albumin and Plasma. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 45, 434-438.	2.4	7
59	Hyperhydration Effect on Pharmacokinetic Parameters and Detection Sensitivity of Recombinant Human Erythropoietin in Urine and Serum Doping Control Analysis of Males. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 2162-2172.	3.3	7
60	Comparative pharmacokinetics of the three echinocandins in ICU patients. <i>Journal of Antimicrobial Chemotherapy</i> , 2020, 75, 2969-2976.	3.0	7
61	Population pharmacokinetics of anidulafungin in ICU patients assessing inter- and intrasubject variability. <i>British Journal of Clinical Pharmacology</i> , 2021, 87, 1024-1032.	2.4	7
62	Omentin-1 and vaspin serum levels in patients with pre-clinical carotid atherosclerosis and the effect of statin therapy on them. <i>Cytokine</i> , 2021, 138, 155364.	3.2	7
63	Effect of hyperhydration on the pharmacokinetics and detection of orally administered budesonide in doping control analysis. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2019, 29, 1489-1500.	2.9	6
64	Antihypertensive activity and molecular interactions of irbesartan in complex with 2-hydroxypropyl- β -cyclodextrin. <i>Chemical Biology and Drug Design</i> , 2020, 96, 668-683.	3.2	6
65	Penetration of Intact Blood-Brain Barrier by Doripenem. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 3637-3638.	3.2	5
66	Glycoprotein non-metastatic melanoma B expression after hepatic ischemia reperfusion and the effect of silibinin. <i>Translational Gastroenterology and Hepatology</i> , 2020, 5, 7-7.	3.0	5
67	Pro-inflammatory cytokines/chemokines, TNF- α , IL-6 and MCP-1, as biomarkers for the nephro- and pneumoprotective effect of silibinin after hepatic ischemia/reperfusion: Confirmation by immunohistochemistry and qRT-PCR. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2022, 130, 457-467.	2.5	5
68	Hyperhydration-Induced Decrease in Urinary Luteinizing Hormone Concentrations of Male Athletes in Doping Control Analysis. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2019, 29, 388-396.	2.1	4
69	Population pharmacokinetics of micafungin over repeated doses in critically ill patients: a need for a loading dose?. <i>Journal of Pharmacy and Pharmacology</i> , 2020, 72, 1750-1760.	2.4	4
70	Use of natural anti-oxidants in experimental animal models of hepatic ischemia-reperfusion injury. <i>Annals of Medicine and Surgery</i> , 2020, 60, 592-599.	1.1	4
71	The hepatoprotective effect of silibinin after hepatic ischemia/reperfusion in a rat model is confirmed by immunohistochemistry and qRT-PCR. <i>Journal of Pharmacy and Pharmacology</i> , 2021, 73, 1274-1284.	2.4	4
72	Development of a Population Pharmacokinetic Model of Busulfan in Children and Evaluation of Different Sampling Schedules for Precision Dosing. <i>Pharmaceutics</i> , 2022, 14, 647.	4.5	4

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73	Losartan Interactions with 2-Hydroxypropyl- β -CD. <i>Molecules</i> , 2022, 27, 2421.	3.8	4
74	Hyperhydration using different hydration agents does not affect the haematological markers of the athlete biological passport in euhydrated volunteers. <i>Journal of Sports Sciences</i> , 2020, 38, 1924-1932.	2.0	3
75	Dose individualization of intravenous busulfan in pediatric patients undergoing bone marrow transplantation: impact and <i>in vitro</i> evaluation of infusion lag-time. <i>Journal of Pharmacy and Pharmacology</i> , 2021, 73, 1340-1350.	2.4	2
76	Application of Neutralization and Technique for the Preparation of the Beneficial β -in Drug 2-Hydroxypropyl- β -Cyclodextrin with. <i>Methods in Molecular Biology</i> , 2021, 2207, 1-11.	0.9	2
77	Computational β -Regulatory Developments in the Prediction of Oral Drug Absorption. <i>Molecular Informatics</i> , 2011, 30, 112-121.	2.5	1
78	Drug Utilization Patterns and Costs of Erythropoiesis-Stimulating Agents in an Outpatient Setting in Greece. <i>The Consultant Pharmacist</i> , 2016, 31, 271-281.	0.4	1
79	Effect of silibinin on the expression of MMP2, MMP3, MMP9 and TIMP2 in kidney and lung after hepatic ischemia/reperfusion injury in an experimental rat model. <i>Acta Cirurgica Brasileira</i> , 2021, 36, e360904.	0.7	1
80	Exercise training inhibits atherosclerosis progression and reduces VE-cadherin levels within atherosclerotic plaques in hypercholesterolemic mice. <i>Biochemical and Biophysical Research Communications</i> , 2022, , .	2.1	0