

Isamu Murata

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

524
citations

623734

14
h-index

713466

21
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42
all docs

42
docs citations

42
times ranked

680
citing authors

#	ARTICLE	IF	CITATIONS
1	A Nanocarrier Skin-Targeted Drug Delivery System using an Ascorbic Acid Derivative. <i>Pharmaceutical Research</i> , 2018, 35, 1.	3.5	55
2	Nitric oxide inhalation as an interventional rescue therapy for COVID-19-induced acute respiratory distress syndrome. <i>Annals of Intensive Care</i> , 2020, 10, 61.	4.6	50
3	Effect of antioxidant activity of caffeic acid with cyclodextrins using ground mixture method. <i>Asian Journal of Pharmaceutical Sciences</i> , 2018, 13, 24-33.	9.1	40
4	Characterization of Systemic and Histologic Injury After Crush Syndrome and Intervals of Reperfusion in a Small Animal Model. <i>Journal of Trauma</i> , 2011, 70, 1453-1463.	2.3	31
5	Nitrite reduces ischemia/reperfusion-induced muscle damage and improves survival rates in rat crush injury model. <i>Journal of Trauma and Acute Care Surgery</i> , 2012, 72, 1548-1554.	2.1	28
6	Characterization of the Dissolution Behavior of Piperine/Cyclodextrins Inclusion Complexes. <i>AAPS PharmSciTech</i> , 2018, 19, 923-933.	3.3	27
7	Astragaloside-IV prevents acute kidney injury and inflammation by normalizing muscular mitochondrial function associated with a nitric oxide protective mechanism in crush syndrome rats. <i>Annals of Intensive Care</i> , 2017, 7, 90.	4.6	26
8	Evaluation of Antibacterial Activity Expression of the Hinokitiol/Cyclodextrin Complex Against Bacteria. <i>ACS Omega</i> , 2020, 5, 27180-27187.	3.5	26
9	Acute lethal crush-injured rats can be successfully rescued by a single injection of high-dose dexamethasone through a pathway involving PI3K-Akt-eNOS signaling. <i>Journal of Trauma and Acute Care Surgery</i> , 2013, 75, 241-249.	2.1	22
10	Characterization of Inclusion Complex of Coenzyme Q10 with the New Carrier CD-MOF-1 Prepared by Solvent Evaporation. <i>AAPS PharmSciTech</i> , 2018, 19, 3048-3056.	3.3	20
11	Effect of β -cyclodextrin derivative complexation on the physicochemical properties and antimicrobial activity of hinokitiol. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2015, 83, 177-186.	1.6	17
12	Evaluation of actarit/ β -cyclodextrin complex prepared by different methods. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2015, 81, 161-168.	1.6	15
13	Low-Dose Sodium Nitrite Fluid Resuscitation Prevents Lethality From Crush Syndrome by Improving Nitric Oxide Consumption and Preventing Myoglobin Cytotoxicity in Kidney in A Rat Model. <i>Shock</i> , 2017, 48, 112-118.	2.1	15
14	Characterization of Nanoparticles Using DSPE-PEG2000 and Soluplus. <i>Colloids and Interfaces</i> , 2020, 4, 28.	2.1	15
15	Improvement of the Solubility and Evaluation of the Physical Properties of an Inclusion Complex Formed by a New Ferulic Acid Derivative and β -Cyclodextrin. <i>ACS Omega</i> , 2020, 5, 12073-12080.	3.5	15
16	Evaluation of Solubility Characteristics of a Hybrid Complex of Components of Soy. <i>ACS Omega</i> , 2019, 4, 8632-8640.	3.5	13
17	Assessment of the Physical Properties of Inclusion Complexes of Forchlorfenuron and β -Cyclodextrin Derivatives and Their Promotion of Plant Growth. <i>ACS Omega</i> , 2018, 3, 13160-13169.	3.5	12
18	Evaluation of formulation properties and skin penetration in the same additive-containing formulation. <i>Results in Pharma Sciences</i> , 2014, 4, 42-49.	4.2	11

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19	Examination of intermolecular interaction as a result of cogrinding actarit and β -cyclodextrin. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2014, 78, 457-464.	1.6	8
20	Nitrite as a pharmacological intervention for the successful treatment of crush syndrome. <i>Physiological Reports</i> , 2018, 6, e13633.	1.7	8
21	Molecular interactions of the inclusion complexes of hinokitiol and various cyclodextrins. <i>AAPS PharmSciTech</i> , 2017, 18, 2717-2726.	3.3	7
22	Salvianolic acid B improves the survival rate, acute kidney dysfunction, inflammation and NETosis-mediated antibacterial action in a crush syndrome rat model. <i>Experimental and Therapeutic Medicine</i> , 2022, 23, 320.	1.8	7
23	Effect of low glycemic index food and postprandial exercise on blood glucose level, oxidative stress and antioxidant capacity. <i>Experimental and Therapeutic Medicine</i> , 2015, 9, 1201-1204.	1.8	6
24	Early Therapeutic Intervention for Crush Syndrome: Characterization of Intramuscular Administration of Dexamethasone by Pharmacokinetic and Biochemical Parameters in Rats. <i>Biological and Pharmaceutical Bulletin</i> , 2016, 39, 1424-1431.	1.4	5
25	Preparation, characterization, and study of the antimicrobial activity of a Hinokitiol-copper(II)/ β -cyclodextrin ternary complex. <i>Journal of Molecular Structure</i> , 2019, 1194, 19-27.	3.6	5
26	Icing treatment in rats with crush syndrome can improve survival through reduction of potassium concentration and mitochondrial function disorder effect. <i>Experimental and Therapeutic Medicine</i> , 2020, 19, 777-785.	1.8	5
27	Characterization of Pharmacokinetic Parameters for Hospital Preparation of a Suppository Containing Gabapentin Tablet. <i>Iryo Yakugaku (Japanese Journal of Pharmaceutical Health Care and Tj ETQq1 1 0.7&#14 rgBf /Overl</i>		
28	Usefulness of Urea as a Means of Improving the Solubility of Poorly Water-Soluble Ascorbyl Palmitate. <i>International Journal of Medicinal Chemistry</i> , 2017, 2017, 1-9.	2.2	4
29	Evaluation of the Molecular State of Piperine in Cyclodextrin Complexes by Near-Infrared Spectroscopy and Solid-State Fluorescence Measurements. <i>International Journal of Medicinal Chemistry</i> , 2019, 2019, 1-14.	2.2	4
30	Evaluation between the Usability and Physicochemical Property of Acyclovir Ointments. <i>Journal of Pharmaceutics</i> , 2018, 2018, 1-8.	4.7	3
31	A novel method to assess the severity and prognosis in crush syndrome by assessment of skin damage in hairless rats. <i>European Journal of Trauma and Emergency Surgery</i> , 2019, 45, 1087-1095.	1.7	3
32	The Effects of Gold Kiwifruit Intake Timing with or without Pericarp on Postprandial Blood Glucose Level. <i>Nutrients</i> , 2021, 13, 2103.	4.1	3
33	Effects of Various Blending Ratios of Rice and Waxy Barley on Postprandial Blood Glucose Levels. <i>Nihon EiyÅ•ShokuryÅ•Gakrai Shi = Nippon EiyÅ•ShokuryÅ•Gakkaishi = Journal of Japanese Society of Nutrition and Food Science</i> , 2018, 71, 283-288.	0.2	2
34	Characterization of β -Glucosidase Inhibitor/Cyclodextrin Complex Prepared by Freeze-Drying. <i>Journal of Pharmaceutics</i> , 2018, 2018, 1-9.	4.7	2
35	Preparation and characterization of triamterene complex with ascorbic acid derivatives. <i>Drug Development and Industrial Pharmacy</i> , 2020, 46, 2032-2040.	2.0	2
36	Solubility of Piperine and Its Inclusion Complexes in Biorelevant Media and Their Effect on Attenuating Mouse Ileum Contractions. <i>ACS Omega</i> , 2021, 6, 6953-6964.	3.5	2

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37	Effect of vegetable juice consumption prior to eating rice on postprandial blood glucose and insulin levels. <i>Experimental and Therapeutic Medicine</i> , 2019, 18, 3817-3822.	1.8	2
38	Syntheses and crystal structures of two piperine derivatives. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2020, 76, 646-650.	0.5	1
39	Characterization of Pharmaceutical Properties of a Pregabalin Powder Containing Hollow-type Suppositories and Bioequivalence Study of the Pharmacokinetics in Rabbits. <i>Iryo Yakugaku (Japanese)</i> Tj ETQq1 1 00784314 ngBT /Over	0.2	0
40	The Effects of Low-carbohydrate Bread Intake on the Postprandial Glycemic Response of Healthy Adults Following a Second Meal. <i>Nihon EiyÅ•ShokuryÅ•Gakkai Shi = Nippon EiyÅ•ShokuryÅ•Gakkaishi = Journal of Japanese Society of Nutrition and Food Science</i> , 2020, 73, 133-140.	0.2	0