

Isamu Murata

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

39 papers	308 citations	11 h-index	16 g-index
42 ext. papers	398 ext. citations	3.2 avg, IF	3.85 L-index

#	Paper	IF	Citations
39	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	2.1	0
38	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	3.9	0
37	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	3.9	4
36	Syntheses and crystal structures of two piperine derivatives. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2020 , 76, 646-650	0.7	1
35	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	8.9	33
34	The Effects of Low-carbohydrate Bread Intake on the Postprandial Glycemic Response of Healthy Adults Following a Second Meal. <i>Nihon Eiyōshokuryō Gakkai Shi = Nippon Eiyōshokuryō Gakkaishi = Journal of Japanese Society of Nutrition and Food Science</i> , 2020 , 73, 133-140	0.2	
33	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	2.1	3
32	Evaluation of Antibacterial Activity Expression of the Hinokitiol/Cyclodextrin Complex Against Bacteria. <i>ACS Omega</i> , 2020 , 5, 27180-27187	3.9	15
31	Characterization of Nanoparticles Using DSPE-PEG2000 and Soluplus. <i>Colloids and Interfaces</i> , 2020 , 4, 28	3	6
30	Preparation and characterization of triamterene complex with ascorbic acid derivatives. <i>Drug Development and Industrial Pharmacy</i> , 2020 , 46, 2032-2040	3.6	1
29	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	3.4	5
28	Evaluation of Solubility Characteristics of a Hybrid Complex of Components of Soy. <i>ACS Omega</i> , 2019 , 4, 8632-8640	3.9	8
27	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	2.3	0
26	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, 7530480	1.7	1
25	Characterization of Pharmaceutical Properties of a Pregabalin Powder Containing Hollow-type Suppositories and Bioequivalence Study of the Pharmacokinetics in Rabbits. <i>Iryo Yakugaku (Japanese Journal of Pharmaceutical Health Care and Sciences)</i> , 2019 , 45, 376-385	0.1	
24	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	2.1	0
23	Nitrite as a pharmacological intervention for the successful treatment of crush syndrome. <i>Physiological Reports</i> , 2018 , 6, e13633	2.6	5

22	Characterization of the Dissolution Behavior of Piperine/Cyclodextrins Inclusion Complexes. <i>AAPS PharmSciTech</i> , 2018 , 19, 923-933	3.9	18
21	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	25
20	Evaluation between the Usability and Physicochemical Property of Acyclovir Ointments. <i>Journal of Pharmaceutics</i> , 2018 , 2018, 8761394	2	1
19	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	3.9	6
18	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	3.9	10
17	Effects of Various Blending Ratios of Rice and Waxy Barley on Postprandial Blood Glucose Levels. <i>Nihon Eiyōshokuryō Gakkai Shi = Nippon Eiyōshokuryō Gakkaishi = Journal of Japanese Society of Nutrition and Food Science</i> , 2018 , 71, 283-288	0.2	1
16	Characterization of α -Glucosidase Inhibitor/Cyclodextrin Complex Prepared by Freeze-Drying. <i>Journal of Pharmaceutics</i> , 2018 , 2018, 3202719	2	1
15	Molecular interactions of the inclusion complexes of hinokitiol and various cyclodextrins. <i>AAPS PharmSciTech</i> , 2017 , 18, 2717-2726	3.9	4
14	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, 4391078	1.7	1
13	A Nanocarrier Skin-Targeted Drug Delivery System using an Ascorbic Acid Derivative. <i>Pharmaceutical Research</i> , 2017 , 35, 1	4.5	15
12	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	8.9	13
11	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	3.4	11
10	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, 1424-31	2.3	4
9	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	2.1	5
8	Evaluation of actarit/ β -cyclodextrin complex prepared by different methods. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2015 , 81, 161-168	1.7	11
7	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	1.7	14
6	Characterization of Pharmacokinetic Parameters for Hospital Preparation of a Suppository Containing Gabapentin Tablet. <i>Iryo Yakugaku (Japanese Journal of Pharmaceutical Health Care and Sciences)</i> , 2015 , 41, 861-869	0.1	3
5	Evaluation of formulation properties and skin penetration in the same additive-containing formulation. <i>Results in Pharma Sciences</i> , 2014 , 4, 42-9		5

4	Examination of intermolecular interaction as a result of cogrinding actarit and Cyclodextrin. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2014 , 78, 457-464	1.7	7
3	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, 241-9	3.3	16
2	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, 1548-54	3.3	26
1	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, 1453-63		27