

Kunikazu Moribe

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77
papers

1,605
citations

25
h-index

36
g-index

82
ext. papers

1,906
ext. citations

5.3
avg, IF

4.82
L-index

#	Paper	IF	Citations
77	Stabilization of a supersaturated solution of mefenamic acid from a solid dispersion with EUDRAGIT(®) EPO. <i>Pharmaceutical Research</i> , 2012 , 29, 2777-91	4.5	102
76	Inhibitory effect of hydroxypropyl methylcellulose acetate succinate on drug recrystallization from a supersaturated solution assessed using nuclear magnetic resonance measurements. <i>Molecular Pharmaceutics</i> , 2013 , 10, 3801-11	5.6	80
75	The effect of HPMCAS functional groups on drug crystallization from the supersaturated state and dissolution improvement. <i>International Journal of Pharmaceutics</i> , 2014 , 464, 205-13	6.5	76
74	Formation mechanism of colloidal nanoparticles obtained from probucol/PVP/SDS ternary ground mixture. <i>International Journal of Pharmaceutics</i> , 2008 , 352, 309-16	6.5	55
73	Mechanistic differences in permeation behavior of supersaturated and solubilized solutions of carbamazepine revealed by nuclear magnetic resonance measurements. <i>Molecular Pharmaceutics</i> , 2012 , 9, 3023-33	5.6	52
72	Molecular interaction among probucol/PVP/SDS multicomponent system investigated by solid-state NMR. <i>Pharmaceutical Research</i> , 2006 , 23, 2566-74	4.5	48
71	Recent progress of structural study of polymorphic pharmaceutical drugs. <i>Advanced Drug Delivery Reviews</i> , 2017 , 117, 71-85	18.5	46
70	Effects of the PEG molecular weight of a PEG-lipid and cholesterol on PEG chain flexibility on liposome surfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015 , 474, 63-70	5.1	45
69	The effect of drug and EUDRAGIT® S 100 miscibility in solid dispersions on the drug and polymer dissolution rate. <i>International Journal of Pharmaceutics</i> , 2015 , 494, 9-16	6.5	44
68	Physicochemical characterization and structural evaluation of a specific 2:1 cocrystal of naproxen-nicotinamide. <i>Journal of Pharmaceutical Sciences</i> , 2012 , 101, 3214-21	3.9	43
67	Insights into atomic-level interaction between mefenamic acid and eudragit EPO in a supersaturated solution by high-resolution magic-angle spinning NMR spectroscopy. <i>Molecular Pharmaceutics</i> , 2014 , 11, 351-7	5.6	40
66	In vivo assessment of oral administration of probucol nanoparticles in rats. <i>Biological and Pharmaceutical Bulletin</i> , 2008 , 31, 321-5	2.3	36
65	Incorporation of Salicylic Acid Molecules into the Intermolecular Spaces of β -Cyclodextrin-Polypseudorotaxane. <i>Crystal Growth and Design</i> , 2009 , 9, 4243-4246	3.5	35
64	Micronization of phenylbutazone by rapid expansion of supercritical CO ₂ solution. <i>Chemical and Pharmaceutical Bulletin</i> , 2005 , 53, 1025-8	1.9	34
63	A Novel Drug-Drug Cocrystal of Levofloxacin and Metacetamol: Reduced Hygroscopicity and Improved Photostability of Levofloxacin. <i>Journal of Pharmaceutical Sciences</i> , 2019 , 108, 2383-2390	3.9	33
62	Salicylic acid/gamma-cyclodextrin 2:1 and 4:1 complex formation by sealed-heating method. <i>Journal of Pharmaceutical Sciences</i> , 2010 , 99, 4192-200	3.9	33
61	Synergetic Role of Hypromellose and Methacrylic Acid Copolymer in the Dissolution Improvement of Amorphous Solid Dispersions. <i>Journal of Pharmaceutical Sciences</i> , 2017 , 106, 1042-1050	3.9	30

60	Direct evaluation of molecular States of piroxicam/poloxamer nanosuspension by suspended-state NMR and Raman spectroscopies. <i>Molecular Pharmaceutics</i> , 2015 , 12, 1564-72	5.6	30
59	Application of ascorbic acid 2-glucoside as a solubilizing agent for clarithromycin: solubilization and nanoparticle formation. <i>International Journal of Pharmaceutics</i> , 2007 , 331, 38-45	6.5	30
58	Direct NMR Monitoring of Phase Separation Behavior of Highly Supersaturated Nifedipine Solution Stabilized with Hypromellose Derivatives. <i>Molecular Pharmaceutics</i> , 2017 , 14, 2314-2322	5.6	27
57	Molecular-level characterization of probucol nanocrystal in water by in situ solid-state NMR spectroscopy. <i>International Journal of Pharmaceutics</i> , 2012 , 423, 571-6	6.5	26
56	An Insight into Different Stabilization Mechanisms of Phenytoin Derivatives Supersaturation by HPMC and PVP. <i>Journal of Pharmaceutical Sciences</i> , 2015 , 104, 2574-82	3.9	26
55	Drug solubilization mechanism of β -glucosyl stevia by NMR spectroscopy. <i>International Journal of Pharmaceutics</i> , 2014 , 465, 255-61	6.5	25
54	Inhibition mechanism of hydroxypropyl methylcellulose acetate succinate on drug crystallization in gastrointestinal fluid and drug permeability from a supersaturated solution. <i>European Journal of Pharmaceutical Sciences</i> , 2014 , 62, 293-300	5.1	25
53	Transglycosylated rutin-specific non-surface-active nanostructure affects absorption enhancement of flurbiprofen. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012 , 82, 120-6	5.7	25
52	Drug nanoparticle formulation using ascorbic Acid derivatives. <i>Journal of Drug Delivery</i> , 2011 , 2011, 1389-29	4.9	25
51	Nano-scale and molecular-level understanding of wet-milled indomethacin/poloxamer 407 nanosuspension with TEM, suspended-state NMR, and Raman measurements. <i>International Journal of Pharmaceutics</i> , 2018 , 537, 30-39	6.5	23
50	NMR investigation of a novel excipient, β -glucosylhesperidin, as a suitable solubilizing agent for poorly water-soluble drugs. <i>Journal of Pharmaceutical Sciences</i> , 2011 , 100, 4421-31	3.9	23
49	Application of Intermolecular Spaces between Polyethylene Glycol/ β -Cyclodextrin-Polypseudorotaxanes as a Host for Various Guest Drugs. <i>Crystal Growth and Design</i> , 2014 , 14, 2773-2781	3.5	22
48	Ascorbyl dipalmitate/PEG-lipid nanoparticles as a novel carrier for hydrophobic drugs. <i>International Journal of Pharmaceutics</i> , 2010 , 387, 236-43	6.5	22
47	Mechanistic insight into the dramatic improvement of probucol dissolution in neutral solutions by solid dispersion in Eudragit E PO with saccharin. <i>Journal of Pharmacy and Pharmacology</i> , 2016 , 68, 655-64	4.8	22
46	Mechanism of Enhanced Nifedipine Dissolution by Polymer-Blended Solid Dispersion through Molecular-Level Characterization. <i>Molecular Pharmaceutics</i> , 2018 , 15, 4099-4109	5.6	21
45	Encapsulation of poorly water-soluble drugs into organic nanotubes for improving drug dissolution. <i>International Journal of Pharmaceutics</i> , 2014 , 469, 190-6	6.5	21
44	Effect of Drug-Polymer Interactions through Hypromellose Acetate Succinate Substituents on the Physical Stability on Solid Dispersions Studied by Fourier-Transform Infrared and Solid-State Nuclear Magnetic Resonance. <i>Molecular Pharmaceutics</i> , 2019 , 16, 2785-2794	5.6	20
43	Mechanistic elucidation of formation of drug-rich amorphous nanodroplets by dissolution of the solid dispersion formulation. <i>International Journal of Pharmaceutics</i> , 2019 , 561, 82-92	6.5	20

42	Equilibrium state at supersaturated drug concentration achieved by hydroxypropyl methylcellulose acetate succinate: molecular characterization using (1)H NMR technique. <i>Molecular Pharmaceutics</i> , 2015 , 12, 1096-104	5.6	20
41	Molecular states of prednisolone dispersed in folded sheet mesoporous silica (FSM-16). <i>International Journal of Pharmaceutics</i> , 2009 , 378, 17-22	6.5	20
40	In situ molecular elucidation of drug supersaturation achieved by nano-sizing and amorphization of poorly water-soluble drug. <i>European Journal of Pharmaceutical Sciences</i> , 2015 , 77, 79-89	5.1	19
39	Molecular-Level Understanding of the Encapsulation and Dissolution of Poorly Water-Soluble Ibuprofen by Functionalized Organic Nanotubes Using Solid-State NMR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 4496-507	3.4	19
38	Cryo-TEM and AFM Observation of the Time-Dependent Evolution of Amorphous ProbucoL Nanoparticles Formed by the Aqueous Dispersion of Ternary Solid Dispersions. <i>Molecular Pharmaceutics</i> , 2019 , 16, 2184-2198	5.6	18
37	Molecular Mobility Suppression of Ibuprofen-Rich Amorphous Nanodroplets by HPMC Revealed by NMR Relaxometry and Its Significance with Respect to Crystallization Inhibition. <i>Molecular Pharmaceutics</i> , 2019 , 16, 4968-4977	5.6	15
36	Structural Determination of a Novel Polymorph of SulfathiazoleOxalic Acid Complex in Powder Form by Solid-State NMR Spectroscopy on the Basis of Crystallographic Structure of Another Polymorph. <i>Crystal Growth and Design</i> , 2014 , 14, 4510-4518	3.5	14
35	Analysis of molecular interactions in solid dosage forms; challenge to molecular pharmaceutics. <i>Chemical and Pharmaceutical Bulletin</i> , 2011 , 59, 147-54	1.9	14
34	Structural evaluation of crystalline ternary Cyclodextrin complex. <i>Journal of Pharmaceutical Sciences</i> , 2011 , 100, 325-33	3.9	14
33	Nano-sized crystalline drug production by milling technology. <i>Current Pharmaceutical Design</i> , 2013 , 19, 6246-58	3.3	14
32	Crystallization of ProbucoL in Nanoparticles Revealed by AFM Analysis in Aqueous Solution. <i>Molecular Pharmaceutics</i> , 2015 , 12, 2972-80	5.6	13
31	Effects of wet-granulation process parameters on the dissolution and physical stability of a solid dispersion. <i>International Journal of Pharmaceutics</i> , 2017 , 524, 304-311	6.5	11
30	Effect of molecular weight of hypromellose on mucin diffusion and oral absorption behavior of fenofibrate nanocrystal. <i>International Journal of Pharmaceutics</i> , 2019 , 564, 39-47	6.5	11
29	Application of Solid-State NMR Relaxometry for Characterization and Formulation Optimization of Grinding-Induced Drug Nanoparticle. <i>Molecular Pharmaceutics</i> , 2016 , 13, 852-62	5.6	11
28	Morphological and Physicochemical Evaluation of Two Distinct Glibenclamide/Hypromellose Amorphous Nanoparticles Prepared by the Antisolvent Method. <i>Molecular Pharmaceutics</i> , 2018 , 15, 1587-1597 ¹⁰	5.6	10
27	Mechanism of nanoparticle formation from ternary coground phenytoin and its derivatives. <i>Journal of Pharmaceutical Sciences</i> , 2012 , 101, 3413-24	3.9	10
26	Determination of Nonspherical Morphology of Doxorubicin-Loaded Liposomes by Atomic Force Microscopy. <i>Journal of Pharmaceutical Sciences</i> , 2018 , 107, 717-726	3.9	10
25	Molecular-level elucidation of saccharin-assisted rapid dissolution and high supersaturation level of drug from Eudragit E solid dispersion. <i>International Journal of Pharmaceutics</i> , 2018 , 538, 57-64	6.5	9

24	Effect of guest drug character encapsulated in the cavity and intermolecular spaces of β -cyclodextrins on the dissolution property of ternary β -cyclodextrin complex. <i>International Journal of Pharmaceutics</i> , 2017 , 531, 543-549	6.5	8
23	Effect of drug-coformer interactions on drug dissolution from a coamorphous in mesoporous silica. <i>International Journal of Pharmaceutics</i> , 2021 , 600, 120492	6.5	7
22	Solid-Phase Mediated Methodology To Incorporate Drug into Intermolecular Spaces of Cyclodextrin Columns in Polyethylene Glycol/Cyclodextrin-Polypseudorotaxanes by Cogrinding and Subsequent Heating. <i>Crystal Growth and Design</i> , 2017 , 17, 1055-1068	3.5	6
21	Composition-dependent structural changes and antitumor activity of ASC-DP/DSPE-PEG nanoparticles. <i>European Journal of Pharmaceutical Sciences</i> , 2017 , 99, 24-31	5.1	6
20	Correlation between drug dissolution and resistance to water-induced phase separation in solid dispersion formulations revealed by solid-state NMR spectroscopy. <i>International Journal of Pharmaceutics</i> , 2020 , 577, 119086	6.5	6
19	A novel capsule-like structure of micro-sized particles formed by phytosterol ester and β -cyclodextrin in water. <i>Food Chemistry</i> , 2016 , 210, 269-75	8.5	6
18	Structural elucidation of a novel transglycosylated compound β -glucosyl rhoifolin and of β -glucosyl rutin by NMR spectroscopy. <i>Carbohydrate Research</i> , 2017 , 443-444, 37-41	2.9	5
17	Intermolecular Interactions between Drugs and Aminoalkyl Methacrylate Copolymer in Solution to Enhance the Concentration of Poorly Water-Soluble Drugs. <i>Chemical and Pharmaceutical Bulletin</i> , 2019 , 67, 906-914	1.9	5
16	Application of solid-state C relaxation time to prediction of the recrystallization inhibition strength of polymers on amorphous felodipine at low polymer loading. <i>International Journal of Pharmaceutics</i> , 2020 , 581, 119300	6.5	5
15	Nanocrystal formulation of poorly water-soluble drug. <i>Drug Delivery System</i> , 2015 , 30, 92-99	0	5
14	Guest molecular size-dependent inclusion complexation of parabens with cholic acid by cogrinding. <i>International Journal of Pharmaceutics</i> , 2011 , 420, 191-7	6.5	5
13	Unveiling the Interaction Potential Surface between Drug-Entrapped Polymeric Micelles Clarifying the High Drug Nanocarrier Efficiency. <i>Nano Letters</i> , 2021 , 21, 1303-1310	11.5	4
12	Combination of Roll Grinding and High-Pressure Homogenization Can Prepare Stable Bicelles for Drug Delivery. <i>Nanomaterials</i> , 2018 , 8,	5.4	4
11	Characterization of cromolyn sodium hydrates and its formulation by $(23)\text{Na}$ -multiquantum and magic-angle spinning nuclear magnetic resonance spectroscopy. <i>Journal of Pharmaceutical Sciences</i> , 2013 , 102, 2738-47	3.9	3
10	Stabilization mechanism of amorphous carbamazepine by transglycosylated rutin, a non-polymeric amorphous additive with a high glass transition temperature. <i>International Journal of Pharmaceutics</i> , 2021 , 600, 120491	6.5	3
9	Amorphous Drug Solubility and Maximum Free Drug Concentrations in Cyclodextrin Solutions: A Quantitative Study Using NMR Diffusometry. <i>Molecular Pharmaceutics</i> , 2021 , 18, 2764-2776	5.6	3
8	Clarification of the Dissolution Mechanism of an Indomethacin/Saccharin/Polyvinylpyrrolidone Ternary Solid Dispersion by NMR Spectroscopy. <i>Journal of Pharmaceutical Sciences</i> , 2020 , 109, 3617-3624	2.9	2
7	Mechanistic study of preparation of drug/polymer/surfactant ternary hot extrudates to obtain small and stable drug nanocrystal suspensions. <i>International Journal of Pharmaceutics</i> , 2020 , 591, 120003	6.5	1

6	Salt Cocrystallization of Loxoprofen Sodium with Sugar: Reduction of the Propensity for Hydrate Formation by Forming a Continuous One-Dimensional Chain Structure of Sodium and Sugar. <i>Crystal Growth and Design</i> , 2022 , 22, 1094-1103	3.5	1
5	Nanostructure and Molecular-Level Characterization of Aminoalkyl Methacrylate Copolymer and the Impact on Drug Solubilization Ability. <i>Molecular Pharmaceutics</i> , 2021 , 18, 4111-4121	5.6	0
4	Formation mechanism of amorphous drug nanoparticles using the antisolvent precipitation method elucidated by varying the preparation temperature. <i>International Journal of Pharmaceutics</i> , 2021 , 610, 121210	6.5	0
3	The nanostructure of rod-like ascorbyl dipalmitate nanoparticles stabilized by a small amount of DSPE-PEG. <i>International Journal of Pharmaceutics</i> , 2021 , 602, 120599	6.5	0
2	Revealing the mechanism of morphological variation of amorphous drug nanoparticles formed by aqueous dispersion of ternary solid dispersion. <i>International Journal of Pharmaceutics</i> , 2021 , 607, 120984	6.5	0
1	Computational approach to elucidate the formation and stabilization mechanism of amorphous formulation using molecular dynamics simulation and fragment molecular orbital calculation.. <i>International Journal of Pharmaceutics</i> , 2022 , 615, 121477	6.5	