

# Kunikazu Moribe

## List of Publications by Year in Descending Order

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**Version:** 2024-04-27

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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.

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	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> , <b>2022</b> , 615, 121477	6.5	
76	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> , <b>2022</b> , 22, 1094-1103	3.5	1
75	Nanostructure and Molecular-Level Characterization of Aminoalkyl Methacrylate Copolymer and the Impact on Drug Solubilization Ability. <i>Molecular Pharmaceutics</i> , <b>2021</b> , 18, 4111-4121	5.6	0
74	Formation mechanism of amorphous drug nanoparticles using the antisolvent precipitation method elucidated by varying the preparation temperature. <i>International Journal of Pharmaceutics</i> , <b>2021</b> , 610, 121210	6.5	0
73	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> , <b>2021</b> , 600, 120491	6.5	3
72	Effect of drug-coformer interactions on drug dissolution from a coamorphous in mesoporous silica. <i>International Journal of Pharmaceutics</i> , <b>2021</b> , 600, 120492	6.5	7
71	Amorphous Drug Solubility and Maximum Free Drug Concentrations in Cyclodextrin Solutions: A Quantitative Study Using NMR Diffusometry. <i>Molecular Pharmaceutics</i> , <b>2021</b> , 18, 2764-2776	5.6	3
70	The nanostructure of rod-like ascorbyl dipalmitate nanoparticles stabilized by a small amount of DSPE-PEG. <i>International Journal of Pharmaceutics</i> , <b>2021</b> , 602, 120599	6.5	0
69	Unveiling the Interaction Potential Surface between Drug-Entrapped Polymeric Micelles Clarifying the High Drug Nanocarrier Efficiency. <i>Nano Letters</i> , <b>2021</b> , 21, 1303-1310	11.5	4
68	Revealing the mechanism of morphological variation of amorphous drug nanoparticles formed by aqueous dispersion of ternary solid dispersion. <i>International Journal of Pharmaceutics</i> , <b>2021</b> , 607, 120984	6.5	0
67	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> , <b>2020</b> , 581, 119300	6.5	5
66	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> , <b>2020</b> , 577, 119086	6.5	6
65	Clarification of the Dissolution Mechanism of an Indomethacin/Saccharin/Polyvinylpyrrolidone Ternary Solid Dispersion by NMR Spectroscopy. <i>Journal of Pharmaceutical Sciences</i> , <b>2020</b> , 109, 3617-3624	2.9	2
64	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> , <b>2020</b> , 591, 120003	6.5	1
63	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> , <b>2019</b> , 67, 906-914	1.9	5
62	A Novel Drug-Drug Cocrystal of Levofloxacin and Metacetamol: Reduced Hygroscopicity and Improved Photostability of Levofloxacin. <i>Journal of Pharmaceutical Sciences</i> , <b>2019</b> , 108, 2383-2390	3.9	33
61	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> , <b>2019</b> , 16, 2785-2794	5.6	20

60	Effect of molecular weight of hypromellose on mucin diffusion and oral absorption behavior of fenofibrate nanocrystal. <i>International Journal of Pharmaceutics</i> , <b>2019</b> , 564, 39-47	6.5	11
59	Mechanistic elucidation of formation of drug-rich amorphous nanodroplets by dissolution of the solid dispersion formulation. <i>International Journal of Pharmaceutics</i> , <b>2019</b> , 561, 82-92	6.5	20
58	Cryo-TEM and AFM Observation of the Time-Dependent Evolution of Amorphous Probuocol Nanoparticles Formed by the Aqueous Dispersion of Ternary Solid Dispersions. <i>Molecular Pharmaceutics</i> , <b>2019</b> , 16, 2184-2198	5.6	18
57	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> , <b>2019</b> , 16, 4968-4977	5.6	15
56	Morphological and Physicochemical Evaluation of Two Distinct Glibenclamide/Hypromellose Amorphous Nanoparticles Prepared by the Antisolvent Method. <i>Molecular Pharmaceutics</i> , <b>2018</b> , 15, 1587-1597 <sup>10</sup>	5.6	10
55	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> , <b>2018</b> , 538, 57-64	6.5	9
54	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> , <b>2018</b> , 537, 30-39	6.5	23
53	Mechanism of Enhanced Nifedipine Dissolution by Polymer-Blended Solid Dispersion through Molecular-Level Characterization. <i>Molecular Pharmaceutics</i> , <b>2018</b> , 15, 4099-4109	5.6	21
52	Determination of Nonspherical Morphology of Doxorubicin-Loaded Liposomes by Atomic Force Microscopy. <i>Journal of Pharmaceutical Sciences</i> , <b>2018</b> , 107, 717-726	3.9	10
51	Combination of Roll Grinding and High-Pressure Homogenization Can Prepare Stable Bicelles for Drug Delivery. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	4
50	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> , <b>2017</b> , 17, 1055-1068	3.5	6
49	Effect of guest drug character encapsulated in the cavity and intermolecular spaces of Cyclodextrins on the dissolution property of ternary Cyclodextrin complex. <i>International Journal of Pharmaceutics</i> , <b>2017</b> , 531, 543-549	6.5	8
48	Effects of wet-granulation process parameters on the dissolution and physical stability of a solid dispersion. <i>International Journal of Pharmaceutics</i> , <b>2017</b> , 524, 304-311	6.5	11
47	Structural elucidation of a novel transglycosylated compound $\beta$ -glucosyl rhoifolin and of $\beta$ -glucosyl rutin by NMR spectroscopy. <i>Carbohydrate Research</i> , <b>2017</b> , 443-444, 37-41	2.9	5
46	Recent progress of structural study of polymorphic pharmaceutical drugs. <i>Advanced Drug Delivery Reviews</i> , <b>2017</b> , 117, 71-85	18.5	46
45	Composition-dependent structural changes and antitumor activity of ASC-DP/DSPE-PEG nanoparticles. <i>European Journal of Pharmaceutical Sciences</i> , <b>2017</b> , 99, 24-31	5.1	6
44	Synergetic Role of Hypromellose and Methacrylic Acid Copolymer in the Dissolution Improvement of Amorphous Solid Dispersions. <i>Journal of Pharmaceutical Sciences</i> , <b>2017</b> , 106, 1042-1050	3.9	30
43	Direct NMR Monitoring of Phase Separation Behavior of Highly Supersaturated Nifedipine Solution Stabilized with Hypromellose Derivatives. <i>Molecular Pharmaceutics</i> , <b>2017</b> , 14, 2314-2322	5.6	27

42	Application of Solid-State NMR Relaxometry for Characterization and Formulation Optimization of Grinding-Induced Drug Nanoparticle. <i>Molecular Pharmaceutics</i> , <b>2016</b> , 13, 852-62	5.6	11
41	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> , <b>2016</b> , 68, 655-64	4.8	22
40	A novel capsule-like structure of micro-sized particles formed by phytosterol ester and Cyclodextrin in water. <i>Food Chemistry</i> , <b>2016</b> , 210, 269-75	8.5	6
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> , <b>2016</b> , 120, 4496-507	3.4	19
38	Equilibrium state at supersaturated drug concentration achieved by hydroxypropyl methylcellulose acetate succinate: molecular characterization using (1)H NMR technique. <i>Molecular Pharmaceutics</i> , <b>2015</b> , 12, 1096-104	5.6	20
37	The effect of drug and EUDRAGIT <sup>®</sup> S 100 miscibility in solid dispersions on the drug and polymer dissolution rate. <i>International Journal of Pharmaceutics</i> , <b>2015</b> , 494, 9-16	6.5	44
36	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> , <b>2015</b> , 474, 63-70	5.1	45
35	Direct evaluation of molecular States of piroxicam/poloxamer nanosuspension by suspended-state NMR and Raman spectroscopies. <i>Molecular Pharmaceutics</i> , <b>2015</b> , 12, 1564-72	5.6	30
34	An Insight into Different Stabilization Mechanisms of Phenytoin Derivatives Supersaturation by HPMC and PVP. <i>Journal of Pharmaceutical Sciences</i> , <b>2015</b> , 104, 2574-82	3.9	26
33	Nanocrystal formulation of poorly water-soluble drug. <i>Drug Delivery System</i> , <b>2015</b> , 30, 92-99	0	5
32	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> , <b>2015</b> , 77, 79-89	5.1	19
31	Crystallization of Probucol in Nanoparticles Revealed by AFM Analysis in Aqueous Solution. <i>Molecular Pharmaceutics</i> , <b>2015</b> , 12, 2972-80	5.6	13
30	The effect of HPMCAS functional groups on drug crystallization from the supersaturated state and dissolution improvement. <i>International Journal of Pharmaceutics</i> , <b>2014</b> , 464, 205-13	6.5	76
29	Encapsulation of poorly water-soluble drugs into organic nanotubes for improving drug dissolution. <i>International Journal of Pharmaceutics</i> , <b>2014</b> , 469, 190-6	6.5	21
28	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> , <b>2014</b> , 11, 351-7	5.6	40
27	Structural Determination of a Novel Polymorph of Sulfathiazole Oxalic 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> , <b>2014</b> , 14, 4510-4518	3.5	14
26	Drug solubilization mechanism of $\beta$ -glucosyl stevia by NMR spectroscopy. <i>International Journal of Pharmaceutics</i> , <b>2014</b> , 465, 255-61	6.5	25
25	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> , <b>2014</b> , 62, 293-300	5.1	25

24	Application of Intermolecular Spaces between Polyethylene Glycol/ $\beta$ -Cyclodextrin-Polypseudorotaxanes as a Host for Various Guest Drugs. <i>Crystal Growth and Design</i> , <b>2014</b> , 14, 2773-2781	3.5	22
23	Characterization of cromolyn sodium hydrates and its formulation by (23) Na-multi-quantum and magic-angle spinning nuclear magnetic resonance spectroscopy. <i>Journal of Pharmaceutical Sciences</i> , <b>2013</b> , 102, 2738-47	3.9	3
22	Inhibitory effect of hydroxypropyl methylcellulose acetate succinate on drug recrystallization from a supersaturated solution assessed using nuclear magnetic resonance measurements. <i>Molecular Pharmaceutics</i> , <b>2013</b> , 10, 3801-11	5.6	80
21	Nano-sized crystalline drug production by milling technology. <i>Current Pharmaceutical Design</i> , <b>2013</b> , 19, 6246-58	3.3	14
20	Molecular-level characterization of probucol nanocrystal in water by in situ solid-state NMR spectroscopy. <i>International Journal of Pharmaceutics</i> , <b>2012</b> , 423, 571-6	6.5	26
19	Mechanistic differences in permeation behavior of supersaturated and solubilized solutions of carbamazepine revealed by nuclear magnetic resonance measurements. <i>Molecular Pharmaceutics</i> , <b>2012</b> , 9, 3023-33	5.6	52
18	Stabilization of a supersaturated solution of mefenamic acid from a solid dispersion with EUDRAGIT(®) EPO. <i>Pharmaceutical Research</i> , <b>2012</b> , 29, 2777-91	4.5	102
17	Transglycosylated rutin-specific non-surface-active nanostructure affects absorption enhancement of flurbiprofen. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2012</b> , 82, 120-6	5.7	25
16	Mechanism of nanoparticle formation from ternary coground phenytoin and its derivatives. <i>Journal of Pharmaceutical Sciences</i> , <b>2012</b> , 101, 3413-24	3.9	10
15	Physicochemical characterization and structural evaluation of a specific 2:1 cocrystal of naproxen-nicotinamide. <i>Journal of Pharmaceutical Sciences</i> , <b>2012</b> , 101, 3214-21	3.9	43
14	Analysis of molecular interactions in solid dosage forms; challenge to molecular pharmaceutics. <i>Chemical and Pharmaceutical Bulletin</i> , <b>2011</b> , 59, 147-54	1.9	14
13	Guest molecular size-dependent inclusion complexation of parabens with cholic acid by cogrinding. <i>International Journal of Pharmaceutics</i> , <b>2011</b> , 420, 191-7	6.5	5
12	Structural evaluation of crystalline ternary $\beta$ -Cyclodextrin complex. <i>Journal of Pharmaceutical Sciences</i> , <b>2011</b> , 100, 325-33	3.9	14
11	NMR investigation of a novel excipient, $\beta$ -glucosylhesperidin, as a suitable solubilizing agent for poorly water-soluble drugs. <i>Journal of Pharmaceutical Sciences</i> , <b>2011</b> , 100, 4421-31	3.9	23
10	Drug nanoparticle formulation using ascorbic Acid derivatives. <i>Journal of Drug Delivery</i> , <b>2011</b> , 2011, 1389-92	2.9	25
9	Salicylic acid/ $\gamma$ -cyclodextrin 2:1 and 4:1 complex formation by sealed-heating method. <i>Journal of Pharmaceutical Sciences</i> , <b>2010</b> , 99, 4192-200	3.9	33
8	Ascorbyl dipalmitate/PEG-lipid nanoparticles as a novel carrier for hydrophobic drugs. <i>International Journal of Pharmaceutics</i> , <b>2010</b> , 387, 236-43	6.5	22
7	Molecular states of prednisolone dispersed in folded sheet mesoporous silica (FSM-16). <i>International Journal of Pharmaceutics</i> , <b>2009</b> , 378, 17-22	6.5	20

6	Incorporation of Salicylic Acid Molecules into the Intermolecular Spaces of $\beta$ -Cyclodextrin-Polypseudorotaxane. <i>Crystal Growth and Design</i> , <b>2009</b> , 9, 4243-4246	3.5	35
5	In vivo assessment of oral administration of probucol nanoparticles in rats. <i>Biological and Pharmaceutical Bulletin</i> , <b>2008</b> , 31, 321-5	2.3	36
4	Formation mechanism of colloidal nanoparticles obtained from probucol/PVP/SDS ternary ground mixture. <i>International Journal of Pharmaceutics</i> , <b>2008</b> , 352, 309-16	6.5	55
3	Application of ascorbic acid 2-glucoside as a solubilizing agent for clarithromycin: solubilization and nanoparticle formation. <i>International Journal of Pharmaceutics</i> , <b>2007</b> , 331, 38-45	6.5	30
2	Molecular interaction among probucol/PVP/SDS multicomponent system investigated by solid-state NMR. <i>Pharmaceutical Research</i> , <b>2006</b> , 23, 2566-74	4.5	48
1	Micronization of phenylbutazone by rapid expansion of supercritical CO <sub>2</sub> solution. <i>Chemical and Pharmaceutical Bulletin</i> , <b>2005</b> , 53, 1025-8	1.9	34