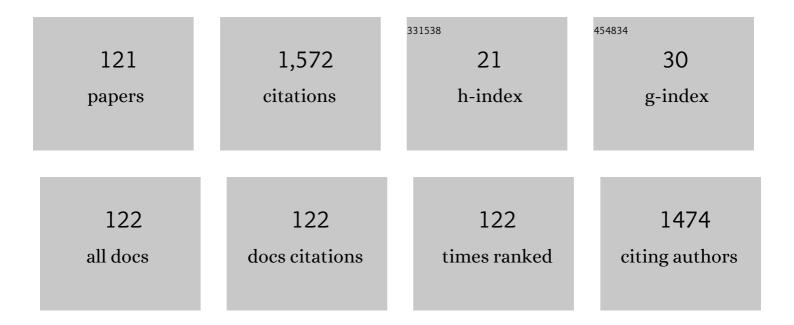
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Co-amorphous Formation Induced by Combination of Tranilast and Diphenhydramine Hydrochloride. Journal of Pharmaceutical Sciences, 2017, 106, 123-128.	1.6	50
2	Mixed micelles of the antihistaminic cationic drug diphenhydramine hydrochloride with anionic and non-ionic surfactants show improved solubility, drug release and cytotoxicity of ethenzamide. Journal of Molecular Liquids, 2019, 277, 349-359.	2.3	50
3	Enhanced solubility of quercetin by forming composite particles with transglycosylated materials. Journal of Food Engineering, 2015, 149, 248-254.	2.7	48
4	Development of porous particles using dextran as an excipient for enhanced deep lung delivery of rifampicin. International Journal of Pharmaceutics, 2019, 555, 280-290.	2.6	47
5	A Strategy for Co-former Selection to Design Stable Co-amorphous Formations Based on Physicochemical Properties of Non-steroidal Inflammatory Drugs. Pharmaceutical Research, 2016, 33, 1018-1029.	1.7	43
6	Anti-plasticizing Effect of Amorphous Indomethacin Induced by Specific Intermolecular Interactions with PVA Copolymer. Journal of Pharmaceutical Sciences, 2014, 103, 2829-2838.	1.6	39
7	Raman mapping for kinetic analysis of crystallization of amorphous drug based on distributional images. International Journal of Pharmaceutics, 2014, 462, 115-122.	2.6	38
8	Kinetics of co-crystal formation with caffeine and citric acid via liquid-assisted grinding analyzed using the distinct element method. European Journal of Pharmaceutical Sciences, 2015, 76, 217-224.	1.9	37
9	A particle technology approach toward designing dry-powder inhaler formulations for personalized medicine in respiratory diseases. Advanced Powder Technology, 2020, 31, 219-226.	2.0	37
10	Evaluation of highly branched cyclic dextrin in inhalable particles of combined antibiotics for the pulmonary delivery of anti-tuberculosis drugs. International Journal of Pharmaceutics, 2017, 517, 8-18.	2.6	34
11	Morphology control of amino acid particles in interfacial crystallization using inkjet nozzle. Advanced Powder Technology, 2014, 25, 847-852.	2.0	32
12	Formation and morphology of asymmetric NaCl particles precipitated at the liquid-liquid interface. Advanced Powder Technology, 2007, 18, 775-785.	2.0	30
13	Drug solubilization mechanism of ${\rm \hat{i}\pm}$ -glucosyl stevia by NMR spectroscopy. International Journal of Pharmaceutics, 2014, 465, 255-261.	2.6	30
14	Preparation of composite particles of hydrophilic or hydrophobic drugs with highly branched cyclic dextrin via spray drying for dry powder inhalers. Powder Technology, 2015, 283, 16-23.	2.1	28
15	Delivering Crocetin across the Blood-Brain Barrier by Using γ-Cyclodextrin to Treat Alzheimer's Disease. Scientific Reports, 2020, 10, 3654.	1.6	28
16	Absorption improvement of tranilast by forming highly soluble nano-size composite structures associated with α-glucosyl rutin via spray drying. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 92, 49-55.	2.0	27
17	Hybridization of polyvinylpyrrolidone to a binary composite of curcumin∫α-glucosyl stevia improves both oral absorption and photochemical stability of curcumin. Food Chemistry, 2016, 213, 668-674.	4.2	27
18	Size-induced segregation during pharmaceutical particle die filling assessed by response surface methodology using discrete element method. Journal of Drug Delivery Science and Technology, 2016, 35, 284-293.	1.4	27

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19	Evaluation of the Micellization Mechanism of an Amphipathic Graft Copolymer with Enhanced Solubility of Ipriflavone. Chemical and Pharmaceutical Bulletin, 2016, 64, 68-72.	0.6	27
20	The elucidation of key factors for oral absorption enhancement of nanocrystal formulations: In vitro–in vivo correlation of nanocrystals. European Journal of Pharmaceutics and Biopharmaceutics, 2020, 146, 84-92.	2.0	27
21	Effects of inhalation procedure on particle behavior and deposition in the airways analyzed by numerical simulation. Journal of the Taiwan Institute of Chemical Engineers, 2018, 90, 44-50.	2.7	24
22	Anomalous Role Change of Tertiary Amino and Ester Groups as Hydrogen Acceptors in Eudragit E Based Solid Dispersion Depending on the Concentration of Naproxen. Molecular Pharmaceutics, 2015, 12, 1050-1061.	2.3	22
23	Low hygroscopic spray-dried powders with trans-glycosylated food additives enhance the solubility and oral bioavailability of ipriflavone. Food Chemistry, 2016, 190, 1050-1055.	4.2	22
24	Production of Asymmetrical Particles in a Crystallization Process Using Liquid-Liquid Interfaces. Journal of Chemical Engineering of Japan, 2007, 40, 217-221.	0.3	21
25	Feasibility of highly branched cyclic dextrin as an excipient matrix in dry powder inhalers. European Journal of Pharmaceutical Sciences, 2015, 79, 79-86.	1.9	21
26	Controlled release behavior of curcumin from kappa-carrageenan gels with flexible texture by the addition of metal chlorides. Food Hydrocolloids, 2020, 101, 105564.	5.6	21
27	Interfacial sol–gel processing for preparation of porous titania particles using a piezoelectric inkjet nozzle. Chemical Engineering Research and Design, 2014, 92, 2461-2469.	2.7	20
28	Inhibition of Photodegradation of Highly Dispersed Folic Acid Nanoparticles by the Antioxidant Effect of Transglycosylated Rutin. Journal of Agricultural and Food Chemistry, 2016, 64, 3062-3069.	2.4	20
29	Jelly containing composite based on α-glucosyl stevia and polyvinylpyrrolidone: Improved dissolution property of curcumin. European Journal of Pharmaceutical Sciences, 2018, 117, 48-54.	1.9	19
30	Enhancement of the extra-fine particle fraction of levofloxacin embedded in excipient matrix formulations for dry powder inhaler using response surface methodology. European Journal of Pharmaceutical Sciences, 2021, 156, 105600.	1.9	18
31	Application of combinational supercritical CO2 techniques to the preparation of inhalable particles. Journal of Drug Delivery Science and Technology, 2016, 36, 1-9.	1.4	17
32	In silico evaluation of particle transport and deposition in the airways of individual patients with chronic obstructive pulmonary disease. European Journal of Pharmaceutics and Biopharmaceutics, 2022, 174, 10-19.	2.0	17
33	Fabrication of composite particles by liquid–liquid interfacial crystallization using an ultrasonic spray nozzle. Powder Technology, 2015, 269, 401-408.	2.1	16
34	Characterization of matrix embedded formulations for combination spray-dried particles comprising pyrazinamide and rifampicin. Journal of Drug Delivery Science and Technology, 2018, 48, 137-144.	1.4	16
35	Investigation of Physiological Properties of Transglycosylated Stevia with Cationic Surfactant and Its Application To Enhance the Solubility of Rebamipide. Journal of Physical Chemistry B, 2018, 122, 10051-10061.	1.2	16
36	Solubility and Permeability Improvement of Quercetin by an Interaction Between α-Glucosyl Stevia Nanoaggregates and Hydrophilic Polymer. Journal of Pharmaceutical Sciences, 2019, 108, 2033-2040.	1.6	16

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37	Dehydration process in NaCl solutions under various external electric fields. Journal of Nanoparticle Research, 2007, 9, 377-387.	0.8	15
38	Amorphization and radical formation of cystine particles by a mechanochemical process analyzed using DEM simulation. Powder Technology, 2016, 301, 220-227.	2.1	15
39	Enhanced micellization of Gemini surfactants using diphenhydramine hydrochloride as an organic counterion. Journal of Molecular Liquids, 2020, 300, 112288.	2.3	15
40	Development of quantifying supersaturation to determine the effect of the anti-solvent on precipitation in liquid-liquid interfacial crystallization. Journal of Molecular Liquids, 2020, 309, 113097.	2.3	15
41	Morphology of Particles Precipitated by Liquid-liquid Interfacial Crystallization and Mutual Diffusion of NaCl Aqueous Solution and Organic Liquid at the Interface. Journal of the Society of Powder Technology, Japan, 2007, 44, 427-433.	0.0	14
42	Effect of surface properties of calcium carbonate on aggregation process investigated by molecular dynamics simulation. Journal of Materials Science, 2014, 49, 1724-1733.	1.7	14
43	Soluble hydrolysis-resistant composite formulation of curcumin containing α-glucosyl hesperidin and polyvinylpyrrolidone. Advanced Powder Technology, 2016, 27, 442-447.	2.0	14
44	Design of a pH-responsive oral gel formulation based on the matrix systems of gelatin/hydroxypropyl methylcellulose phthalate for controlled drug release. International Journal of Pharmaceutics, 2021, 592, 120047.	2.6	14
45	Porous particles and novel carrier particles with enhanced penetration for efficient pulmonary delivery of antitubercular drugs. European Journal of Pharmaceutics and Biopharmaceutics, 2021, 167, 116-126.	2.0	14
46	Quantitative evaluation on the heterogeneous nucleation of amino acid by a thermodynamic analysis. Journal of Molecular Liquids, 2014, 200, 474-479.	2.3	13
47	Diffusion behavior in a liquid-liquid interfacial crystallization by molecular dynamics simulations. Journal of Chemical Physics, 2009, 131, 174707.	1.2	12
48	DEM Modelling of Granule Rearrangement and Fracture Behaviours During a Closed-Die Compaction. AAPS PharmSciTech, 2017, 18, 2368-2377.	1.5	12
49	Numerical simulations of particle behaviour in a realistic human airway model with varying inhalation patterns. Journal of Pharmacy and Pharmacology, 2020, 72, 17-28.	1.2	12
50	Development of sesamin-loaded solid dispersion with α-glycosylated stevia for improving physicochemical and nutraceutical properties. Journal of Functional Foods, 2017, 35, 325-331.	1.6	11
51	Improved respirable fraction of budesonide powder for dry powder inhaler formulations produced by advanced supercritical CO2 processing and use of a novel additive. International Journal of Pharmaceutics, 2017, 528, 118-126.	2.6	11
52	Formation of Food Grade Microemulsion with Rice Glycosphingolipids to Enhance the Oral Absorption of Coenzyme Q10. Foods, 2019, 8, 502.	1.9	11
53	Formulation and evaluation of bitter taste-masked orally disintegrating tablets of high memantine hydrochloride loaded granules coated with polymer via layering technique. International Journal of Pharmaceutics, 2021, 604, 120725.	2.6	11
54	Effect of organic solvent on mutual diffusion and ionic behavior near liquid–liquid interface by molecular dynamics simulations. Journal of Molecular Liquids, 2014, 197, 243-250.	2.3	10

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55	Improvement in photocatalytic activity of morphologically controlled Pd-supporting TiO 2 particles via sol–gel process using inkjet nozzle. Ceramics International, 2016, 42, 9963-9971.	2.3	10
56	Appropriate selection of an aggregation inhibitor of fine particles used for inhalation prepared by emulsion solvent diffusion. Drug Development and Industrial Pharmacy, 2017, 43, 30-41.	0.9	10
57	Mixed Micelle System Produced by Interaction Between Transglycosylated Stevia and an Ionic Surfactant Improves Dissolution Profile of Mefenamic Acid. Journal of Pharmaceutical Sciences, 2017, 106, 1117-1123.	1.6	10
58	Stabilization mechanism of amorphous carbamazepine by transglycosylated rutin, a non-polymeric amorphous additive with a high glass transition temperature. International Journal of Pharmaceutics, 2021, 600, 120491.	2.6	10
59	Crystalline Rearranged CD-MOF Particles Obtained via Spray-Drying Synthesis Applied to Inhalable Formulations with High Drug Loading. Crystal Growth and Design, 2022, 22, 1143-1154.	1.4	10
60	Influence of clusters on the crystal surface of NaCl at initial growth stage investigated by molecular dynamics simulations. Journal of Molecular Liquids, 2012, 166, 31-39.	2.3	9
61	Assistance for Predicting Deposition of Tranilast Dry Powder in Pulmonary Airways by Computational Fluid Dynamics. Journal of Pharmaceutical Innovation, 2017, 12, 249-259.	1.1	9
62	A simple blending with α-glycosylated naringin produces enhanced solubility and absorption of pranlukast hemihydrate. International Journal of Pharmaceutics, 2019, 567, 118490.	2.6	9
63	In-situ dissolution and permeation studies of nanocrystal formulations with second-derivative UV spectroscopy. International Journal of Pharmaceutics, 2019, 558, 242-249.	2.6	9
64	Application of nozzleless electrostatic atomization to encapsulate soybean oil with solid substances. Journal of Food Engineering, 2019, 246, 25-32.	2.7	9
65	Aggregation modeling of calcium carbonate particles by Monte Carlo simulation. Journal of Nanoparticle Research, 2011, 13, 7209-7218.	0.8	8
66	Mutual diffusion diagram of liquid-liquid interfaces for morphological control of NaCl crystals. Journal of Molecular Liquids, 2016, 223, 462-468.	2.3	8
67	Single-stranded β-1,3–1,6-glucan as a carrier for improved dissolution and membrane permeation of poorly water-soluble compounds. Carbohydrate Polymers, 2020, 247, 116698.	5.1	8
68	Water-assisted synthesis of mesoporous calcium carbonate with a controlled specific surface area and its potential to ferulic acid release. RSC Advances, 2020, 10, 28019-28025.	1.7	8
69	Improved solubility and permeability of both nifedipine and ketoconazole based on coamorphous formation with simultaneous dissolution behavior. Journal of Drug Delivery Science and Technology, 2021, 65, 102715.	1.4	8
70	Structural changes in pH-responsive gelatin/hydroxypropyl methylcellulose phthalate blends aimed at drug-release systems. International Journal of Biological Macromolecules, 2021, 190, 989-998.	3.6	8
71	Nozzleless Electrostatic Atomization Process for Crystallization via Liquid–Liquid Interfaces. Journal of Chemical Engineering of Japan, 2017, 50, 367-375.	0.3	7
72	Improved water dispersibility and photostability in folic acid nanoparticles with transglycosylated naringin using combined processes of wet-milling and freeze-drying. Food Research International, 2019, 121, 108-116.	2.9	7

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73	An effective approach to modify the inhalable betamethasone powders based on morphology and surface control using a biosurfactant. Powder Technology, 2020, 376, 517-526.	2.1	7
74	Molecular aspects of glycine clustering and phase separation in an aqueous solution during anti-solvent crystallization. CrystEngComm, 2020, 22, 5182-5190.	1.3	7
75	Stabilizing effect of the cyclodextrins additive to spray-dried particles of curcumin/polyvinylpyrrolidone on the supersaturated state of curcumin. Advanced Powder Technology, 2021, 32, 1750-1756.	2.0	7
76	Influence of Habit Modifiers on Particle Shape in a Crystallization Process [Translated] <sup>â€</sup> . KONA Powder and Particle Journal, 2006, 24, 203-212.	0.9	7
77	The Influence of Habit Modifiers on Particle Shape in a Crystallization Process. Journal of the Society of Powder Technology, Japan, 2004, 41, 431-439.	0.0	6
78	Crystallization Behavior of Glycine Molecules with Electrolytic Dissociation on Charged Silica Gel Particles. Chemical Engineering and Technology, 2018, 41, 1073-1079.	0.9	6
79	The preparation and the sustained release of titanium dioxide hollow particles encapsulating L-ascorbic acid. Journal of Crystal Growth, 2018, 490, 11-18.	0.7	6
80	Improved Solubility of Quercetin by Preparing Amorphous Solid with Transglycosylated Rutin and Isoquercitrin. Environmental Control in Biology, 2018, 56, 161-165.	0.3	6
81	Particle Preparation and Morphology Control with Mutual Diffusion Across Liquid-Liquid Interfaces. KONA Powder and Particle Journal, 2021, 38, 122-135.	0.9	6
82	Catalysis by CaO/SiO2 Composite Particle for Biodiesel Production. Kagaku Kogaku Ronbunshu, 2007, 33, 483-489.	0.1	6
83	Molecular dynamics simulations of structural disordering and forming defects in a milling process for selenium. Journal of Nanoparticle Research, 2008, 10, 577-584.	0.8	5
84	Fabrication of Organic/inorganic Composite Particles by Atomizing Crystallization. Journal of the Society of Powder Technology, Japan, 2013, 50, 790-796.	0.0	5
85	Formation mechanism of non-spherical calcium carbonate particles in the solution using cluster-moving Monte Carlo simulation. Journal of Molecular Liquids, 2014, 194, 115-120.	2.3	5
86	Effects of the process parameters on the size distribution of taurine particles produced by nozzleless electrostatic atomization. Chemical Engineering and Processing: Process Intensification, 2017, 117, 38-44.	1.8	5
87	Emergent composite structures following the amorphization of itraconazole with α-glucosyl rutin by over-grinding. Powder Technology, 2018, 323, 69-75.	2.1	5
88	New Salt and Cocrystal of Mequitazine: Impact of Coformer Flexibility and Hydrogen Bond Donors on Polymorphism. Crystal Growth and Design, 2020, 20, 7219-7229.	1.4	5
89	Hydrogen bonding from crystalline water mediates the hydration/dehydration of mequitazine glycolate. CrystEngComm, 2021, 23, 4816-4824.	1.3	5
90	Diffusion and Cluster Formation near NaCl Solution/Organic Solvent Interface in a Crystallization Process. Journal of Chemical Engineering of Japan, 2009, 42, 346-350.	0.3	5

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91	Design of a Stable Coamorphous System Using Lactose as an Antiplasticizing Agent for Diphenhydramine Hydrochloride with a Low Glass Transition Temperature. Molecular Pharmaceutics, 2022, 19, 1209-1218.	2.3	5
92	Enhancement in dissolution behavior and antioxidant capacity of quercetin with amino acids following radical formation via mechanochemical technique. Advanced Powder Technology, 2022, 33, 103582.	2.0	5
93	Structural dependence of ionic motion at interfaces between NaCl crystal surfaces and supersaturated solutions in crystallization process. Advanced Powder Technology, 2007, 18, 155-173.	2.0	4
94	Theoretical study of the temperature dependent hydrogen storage capacity of Pd and Ti nanoparticles. International Journal of Hydrogen Energy, 2017, 42, 11501-11509.	3.8	4
95	Assessment of amorphization behavior of a drug during co-grinding with an amino acid by discrete element method simulation. Journal of Industrial and Engineering Chemistry, 2018, 62, 436-445.	2.9	4
96	Cocrystal structure design for CH5134731 based on isomorphism. CrystEngComm, 2018, 20, 362-369.	1.3	4
97	Preparation of a Highly Water-dispersible Powder Containing Hydrophobic Polyphenols Derived from Chrysanthemum Flower with Xanthine Oxidase-inhibitory Activity. Food Science and Technology Research, 2018, 24, 273-281.	0.3	4
98	Investigation of the molecular state of 4-aminosalicylic acid in matrix formulations for dry powder inhalers using solid-state fluorescence spectroscopy of 4-dimethylaminobenzonitrile. Advanced Powder Technology, 2019, 30, 2422-2429.	2.0	4
99	Morphological control of tranilast attached to carrier particles by amino acid addition. Advanced Powder Technology, 2016, 27, 971-976.	2.0	3
100	Improvement in the elution behavior of rutin via binary amorphous solid with flavonoid using a mechanochemical process. Food and Bioproducts Processing, 2020, 123, 274-283.	1.8	3
101	The formation of an amorphous composite between flavonoid compounds: Enhanced solubility in both oil components and aqueous media. Journal of Drug Delivery Science and Technology, 2021, 62, 102410.	1.4	3
102	Modulating the Pore Architecture of Ice-Templated Dextran Microparticles Using Molecular Weight and Concentration. Langmuir, 2022, 38, 6741-6751.	1.6	3
103	Molecular dynamics simulation of impurity effects near the NaCl interface during the initial rapid stages of growth. Journal of Crystal Growth, 2022, 593, 126776.	0.7	3
104	Effect of interfacial structures on ionic conductivity in particle-dispersed composite electrolytes. Advanced Powder Technology, 2006, 17, 257-275.	2.0	2
105	Effect of Grinding Conditions on Radical Formation Following Structural Change of Amino Acid Particles. Journal of the Society of Powder Technology, Japan, 2014, 51, 571-577.	0.0	2
106	A Powderization Process for Encapsulating with Functional Biomaterials Using Nozzleless Electrostatic Atomization. Journal of Food Science, 2019, 84, 2482-2489.	1.5	2
107	Preparation of Amorphous Composite Particles of Drugs with Ursodeoxycholic Acid as Preclinical Formulations. Chemical and Pharmaceutical Bulletin, 2019, 67, 921-928.	0.6	2
108	Computational approach to elucidate the formation and stabilization mechanism of amorphous formulation using molecular dynamics simulation and fragment molecular orbital calculation. International Journal of Pharmaceutics, 2022, 615, 121477.	2.6	2

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109	Mechanisms of Polymorphic Transition and Composite of Amino Acid Particles by Planetary Ball Mill. Journal of the Society of Powder Technology, Japan, 1914, 51, 750-758.	0.0	1
110	Effects of Habit Modifier and Crystallization Speed on Composite Morphology in Atomizing Crystallization. Journal of the Society of Powder Technology, Japan, 2016, 53, 149-156.	0.0	1
111	Preparation of morphologically controlled zirconia particles using a coaxial tube reactor. Journal of the Ceramic Society of Japan, 2016, 124, 1167-1170.	0.5	1
112	Diffusion mechanism and release profile of a multivitamin from TiO2 hollow particles. Advanced Powder Technology, 2019, 30, 2989-2996.	2.0	1
113	Novel preparation method of nitrogen-doped TiO <sub>2</sub> hollow particles by the reaction crystallization in refined droplet. Journal of the Ceramic Society of Japan, 2019, 127, 254-262.	0.5	1
114	Development of a nozzleless electrostatic atomization equipment for the mass production of encapsulated oil powders in the liquid phase. Journal of Food Process Engineering, 0, , e13855.	1.5	1
115	Quantitative Evaluation of Glycine Crystal Growth from Solution by a Phase Field Simulation. Journal of Chemical Engineering of Japan, 2015, 48, 821-828.	0.3	0
116	çµæ™¶æžå‡ºç²'åãøå¹⁄2¢æ‹å^¶å¾¡æ³•ã«é−¢ã™ã,‹ç"ç©¶. Hosokawa Powder Technology Foundation ANNUAL	R <b>ep:o</b> rt, 2	20 <b>0</b> 5, 13, 138

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118	Creation of Functional Particles Using Crystallization at Liquid-liquid Interface. Journal of the Society of Powder Technology, Japan, 2015, 52, 80-85.	0.0	0
119	Design of Combination Dry Powder Inhaler Formulations for Efficiently Delivering to Deeper Lungs. Hosokawa Powder Technology Foundation ANNUAL REPORT, 2018, 26, 60-65.	0.0	0
120	Preparation and Evaluation of Enhanced Alveoli-delivery Dry Powder Inhaler Formulations. Hosokawa Powder Technology Foundation ANNUAL REPORT, 2020, 27, 157-160.	0.0	0
121	A review of transglycosylated compounds as food additives to enhance the solubility and oral absorption of hydrophobic compounds in nutraceuticals and pharmaceuticals. Critical Reviews in Food Science and Nutrition, 2023, 63, 11226-11243.	5.4	0