

Annette Bauer-Brandl

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101
papers

2,886
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h-index

48
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107
ext. papers

3,261
ext. citations

4.6
avg, IF

5.36
L-index

#	Paper	IF	Citations
101	Thermodynamics of solutions III: comparison of the solvation of (+)-naproxen with other NSAIDs. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2004 , 57, 411-20	5.7	200
100	The Polymorphism of Glycine. Thermochemical and structural aspects. <i>Magyar Árvad Kémlelmények</i> , 2001 , 66, 699-715	0	171
99	Thermodynamics of solutions. II. Flurbiprofen and diflunisal as models for studying solvation of drug substances. <i>European Journal of Pharmaceutical Sciences</i> , 2003 , 19, 423-32	5.1	128
98	Successful oral delivery of poorly water-soluble drugs both depends on the intraluminal behavior of drugs and of appropriate advanced drug delivery systems. <i>European Journal of Pharmaceutical Sciences</i> , 2019 , 137, 104967	5.1	118
97	Chitosan based micro- and nanoparticles for colon-targeted delivery of vancomycin prepared by alternative processing methods. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015 , 92, 112-97	5.7	77
96	Drug permeability profiling using cell-free permeation tools: Overview and applications. <i>European Journal of Pharmaceutical Sciences</i> , 2018 , 119, 219-233	5.1	75
95	Thermodynamics of sublimation, crystal lattice energies, and crystal structures of racemates and enantiomers: (+)- and (+/-)-ibuprofen. <i>Journal of Pharmaceutical Sciences</i> , 2004 , 93, 654-66	3.9	74
94	New biomimetic barrier Permeapad [®] for efficient investigation of passive permeability of drugs. <i>European Journal of Pharmaceutical Sciences</i> , 2015 , 73, 29-34	5.1	73
93	Towards an understanding of the molecular mechanism of solvation of drug molecules: a thermodynamic approach by crystal lattice energy, sublimation, and solubility exemplified by paracetamol, acetanilide, and phenacetin. <i>Journal of Pharmaceutical Sciences</i> , 2006 , 95, 2158-69	3.9	67
92	Application of multivariate methods to compression behavior evaluation of directly compressible materials. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009 , 72, 148-55	5.7	57
91	pH-independent drug release of an extremely poorly soluble weakly acidic drug from multiparticulate extended release formulations. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2007 , 65, 78-84	5.7	57
90	Oral bioavailability enhancement through supersaturation: an update and meta-analysis. <i>Expert Opinion on Drug Delivery</i> , 2017 , 14, 403-426	8	54
89	Solubility enhancement of BCS Class II drug by solid phospholipid dispersions: Spray drying versus freeze-drying. <i>International Journal of Pharmaceutics</i> , 2015 , 496, 382-91	6.5	51
88	Solubilization of ibuprofen with Cyclodextrin derivatives: energetic and structural studies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011 , 55, 446-51	3.5	50
87	Solvation of drugs as a key for understanding partitioning and passive transport exemplified by NSAIDs. <i>Current Drug Delivery</i> , 2004 , 1, 213-26	3.2	50
86	Thermodynamics of solubility, sublimation and solvation processes of parabens. <i>European Journal of Pharmaceutical Sciences</i> , 2005 , 24, 25-33	5.1	49
85	Note on the measurement of flowability according to the European Pharmacopoeia. <i>International Journal of Pharmaceutics</i> , 2003 , 257, 301-4	6.5	48

84	Thermodynamic and Structural Aspects of Some Fenamate Molecular Crystals. <i>Crystal Growth and Design</i> , 2009 , 9, 3265-3272	3.5	46
83	Polymorphism of paracetamol. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007 , 89, 767-774	4.1	46
82	Effect of hydroxypropyl-beta-cyclodextrin-complexation and pH on solubility of camptothecin. <i>International Journal of Pharmaceutics</i> , 2004 , 284, 61-8	6.5	45
81	Crystallization and Polymorphism of Felodipine. <i>Crystal Growth and Design</i> , 2012 , 12, 4022-4030	3.5	44
80	Cocrystal screening of hydroxybenzamides with benzoic acid derivatives: a comparative study of thermal and solution-based methods. <i>European Journal of Pharmaceutical Sciences</i> , 2014 , 65, 56-64	5.1	41
79	Solvation and hydration characteristics of ibuprofen and acetylsalicylic acid. <i>AAPS PharmSci</i> , 2004 , 6, E3		41
78	Simultaneous lipolysis/permeation in vitro model, for the estimation of bioavailability of lipid based drug delivery systems. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017 , 117, 300-307	5.7	39
77	Multivariate analysis of relationships between material properties, process parameters and tablet tensile strength for alpha-lactose monohydrates. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009 , 73, 424-31	5.7	35
76	Evaluation of a rapid approximation method for the elastic recovery of tablets. <i>Powder Technology</i> , 2010 , 202, 71-77	5.2	33
75	Cocrystals of the antiandrogenic drug bicalutamide: screening, crystal structures, formation thermodynamics and lattice energies. <i>CrystEngComm</i> , 2016 , 18, 4818-4829	3.3	33
74	Thermodynamics of solutions I: benzoic acid and acetylsalicylic acid as models for drug substances and the prediction of solubility. <i>Pharmaceutical Research</i> , 2003 , 20, 471-8	4.5	32
73	Thermodynamics of solutions IV: Solvation of ketoprofen in comparison with other NSAIDs. <i>Journal of Pharmaceutical Sciences</i> , 2003 , 92, 2502-11	3.9	32
72	Properties of fujicalin, a new modified anhydrous dibasic calcium phosphate for direct compression: comparison with dicalcium phosphate dihydrate. <i>Drug Development and Industrial Pharmacy</i> , 2001 , 27, 789-801	3.6	32
71	Permeapad for investigation of passive drug permeability: The effect of surfactants, co-solvents and simulated intestinal fluids (FaSSIF and FeSSIF). <i>International Journal of Pharmaceutics</i> , 2015 , 493, 192-7	6.5	31
70	Dynamic dissolution-/permeation-testing of nano- and microparticle formulations of fenofibrate. <i>European Journal of Pharmaceutical Sciences</i> , 2017 , 96, 20-27	5.1	31
69	Thermodynamic properties of flufenamic and niflumic acids--specific and non-specific interactions in solution and in crystal lattices, mechanism of solvation, partitioning and distribution. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007 , 45, 679-87	3.5	31
68	Solid Phospholipid Dispersions for Oral Delivery of Poorly Soluble Drugs: Investigation Into Celecoxib Incorporation and Solubility-In Vitro Permeability Enhancement. <i>Journal of Pharmaceutical Sciences</i> , 2016 , 105, 1113-23	3.9	30
67	Energetic aspects of diclofenac acid in crystal modifications and in solutions--mechanism of solvation, partitioning and distribution. <i>Journal of Pharmaceutical Sciences</i> , 2007 , 96, 1031-42	3.9	30

66	On the physical interpretation of the initial bending of a Shapiro-Konopicky-Heckel compression profile. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009 , 71, 395-401	5.7	28
65	Phospholipid-based solid drug formulations for oral bioavailability enhancement: A meta-analysis. <i>European Journal of Pharmaceutical Sciences</i> , 2015 , 80, 89-110	5.1	27
64	Driving forces and the influence of the buffer composition on the complexation reaction between ibuprofen and HPCD. <i>European Journal of Pharmaceutical Sciences</i> , 2003 , 20, 197-200	5.1	26
63	Influence of tableting forces and lubricant concentration on the adhesion strength in complex layer tablets. <i>Drug Development and Industrial Pharmacy</i> , 2000 , 26, 745-54	3.6	26
62	β-Cyclodextrin-dextran polymers for the solubilization of poorly soluble drugs. <i>International Journal of Pharmaceutics</i> , 2014 , 468, 258-63	6.5	24
61	Towards an understanding of the molecular mechanism of solvation of drug molecules: a thermodynamic approach by crystal lattice energy, sublimation, and solubility exemplified by hydroxybenzoic acids. <i>Journal of Pharmaceutical Sciences</i> , 2006 , 95, 1448-58	3.9	24
60	Liposomal solubilization of new 3-hydroxy-quinolinone derivatives with promising anticancer activity: a screening method to identify maximum incorporation capacity. <i>Journal of Liposome Research</i> , 2011 , 21, 272-8	6.1	23
59	Polymorphism of felodipine co-crystals with 4,4'-bipyridine. <i>CrystEngComm</i> , 2014 , 16, 6603-6611	3.3	22
58	Extent and mechanism of solvation and partitioning of isomers of substituted benzoic acids: a thermodynamic study in the solid state and in solution. <i>Journal of Pharmaceutical Sciences</i> , 2008 , 97, 3883-96	3.9	22
57	Influence of position and size of substituents on the mechanism of partitioning: a thermodynamic study on acetaminophens, hydroxybenzoic acids, and parabens. <i>AAPS PharmSciTech</i> , 2008 , 9, 205-16	3.9	22
56	A method for simultaneous quantification of phospholipid species by routine 31P NMR. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012 , 70, 708-12	3.5	21
55	Comparative evaluation of the powder and compression properties of various grades and brands of microcrystalline cellulose by multivariate methods. <i>Pharmaceutical Development and Technology</i> , 2010 , 15, 394-404	3.4	21
54	The difference between partitioning and distribution from a thermodynamic point of view: NSAIDs as an example. <i>European Journal of Pharmaceutical Sciences</i> , 2006 , 27, 150-7	5.1	21
53	On the accuracy of a new displacement instrumentation for rotary tablet presses. <i>Drug Development and Industrial Pharmacy</i> , 1999 , 25, 117-30	3.6	21
52	Thermodynamic study of sublimation, solubility, solvation, and distribution processes of atenolol and pindolol. <i>Molecular Pharmaceutics</i> , 2007 , 4, 929-35	5.6	20
51	Solid phospholipid nano-particles: investigations into formulation and dissolution properties of griseofulvin. <i>International Journal of Pharmaceutics</i> , 2014 , 467, 42-7	6.5	19
50	Interrelation between thermochemical and structural data of polymorphs exemplified by diflunisal. <i>Journal of Pharmaceutical Sciences</i> , 2002 , 91, 1036-45	3.9	19
49	Thermodynamic and Structural Aspects of Hydrated and Unhydrated Phases of 4-Hydroxybenzamide. <i>Crystal Growth and Design</i> , 2007 , 7, 2643-2648	3.5	18

48	Development of a melting tablet containing promethazine HCl against motion sickness. <i>AAPS PharmSciTech</i> , 2008 , 9, 1006-15	3.9	18
47	The Melting Process of Acetylsalicylic Acid Single Crystals 2001 , 63, 653-661		18
46	Mechanism and kinetics of the loss of poorly soluble drugs from liposomal carriers studied by a novel flow field-flow fractionation-based drug release-/transfer-assay. <i>Journal of Controlled Release</i> , 2016 , 232, 228-37	11.7	18
45	Oromucosal drug delivery: Trends in in-vitro biopharmaceutical assessment of new chemical entities and formulations. <i>European Journal of Pharmaceutical Sciences</i> , 2019 , 128, 112-117	5.1	18
44	Evaluation of a dynamic dissolution/permeation model: Mutual influence of dissolution and barrier-flux under non-steady state conditions. <i>International Journal of Pharmaceutics</i> , 2017 , 522, 50-57	6.5	17
43	PermeaLoop [®] a novel in vitro tool for small-scale drug-dissolution/permeation studies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 156, 247-251	3.5	17
42	Use of Permeapad [®] for prediction of buccal absorption: A comparison to in vitro, ex vivo and in vivo method. <i>European Journal of Pharmaceutical Sciences</i> , 2016 , 93, 399-404	5.1	17
41	Overcoming instability and low solubility of new cytostatic compounds: a comparison of two approaches. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012 , 80, 657-62	5.7	17
40	Quality by design (QbD) approaches for the compression step of tableting. <i>Expert Opinion on Drug Delivery</i> , 2011 , 8, 1631-44	8	17
39	A dynamic in vitro permeation study on solid mono- and diacyl-phospholipid dispersions of celecoxib. <i>European Journal of Pharmaceutical Sciences</i> , 2019 , 127, 199-207	5.1	17
38	Diversity of felodipine solvates: structure and physicochemical properties. <i>CrystEngComm</i> , 2015 , 17, 4089-4097	3.3	16
37	Drug Permeability Profiling Using the Novel Permeapad [®] 96-Well Plate. <i>Pharmaceutical Research</i> , 2020 , 37, 93	4.5	16
36	Redetermination and H-atom refinement of (S)-(+)-ibuprofen. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2003 , 59, o1357-o1358		15
35	Crystal architecture and physicochemical properties of felodipine solvates. <i>CrystEngComm</i> , 2013 , 15, 6054	3.3	14
34	Direct compression behavior of low- and high-methoxylated pectins. <i>AAPS PharmSciTech</i> , 2010 , 11, 18-26.9		14
33	High-Throughput Dissolution/Permeation Screening -A 96-Well Two-Compartment Microplate Approach. <i>Pharmaceutics</i> , 2019 , 11,	6.4	13
32	Single step bottom-up process to generate solid phospholipid nano-particles. <i>Pharmaceutical Development and Technology</i> , 2014 , 19, 326-32	3.4	13
31	Cimetidine, C ₁₀ H ₁₆ N ₆ S, form C: crystal structure and modelling of polytypes using the superspace approach. <i>Journal of Applied Crystallography</i> , 2013 , 46, 99-107	3.8	13

30	Characterization of co-existing colloidal structures in fasted state simulated fluids FaSSIF: A comparative study using AF4/MALLS, DLS and DOSY. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 145, 531-536	3.5	12
29	A novel method for the investigation of liquid/liquid distribution coefficients and interface permeabilities applied to the water-octanol-drug system. <i>Pharmaceutical Research</i> , 2011 , 28, 2140-6	4.5	12
28	Co-existing colloidal phases of human duodenal aspirates: Intraindividual fluctuations and interindividual variability in relation to molecular composition. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019 , 170, 22-29	3.5	10
27	Co-existing colloidal phases in artificial intestinal fluids assessed by AF4/MALLS and DLS: A systematic study into cholate & (lyso-) phospholipid blends, incorporating celecoxib as a model drug. <i>European Journal of Pharmaceutical Sciences</i> , 2018 , 120, 61-72	5.1	10
26	A novel microdialysis-dissolution/permeation system for testing oral dosage forms: A proof-of-concept study. <i>European Journal of Pharmaceutical Sciences</i> , 2017 , 96, 154-163	5.1	9
25	Dissolution/permeation with Permealoo [®] Experience and IVIVC exemplified by dipyridamole enabling formulations. <i>European Journal of Pharmaceutical Sciences</i> , 2020 , 154, 105532	5.1	9
24	Exploring impact of supersaturated lipid-based drug delivery systems of celecoxib on in vitro permeation across Permealoo membrane and in vivo absorption. <i>European Journal of Pharmaceutical Sciences</i> , 2020 , 152, 105452	5.1	8
23	4-Hydroxybenzamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007 , 63, o2362-o2362		7
22	Surfactants enhance recovery of poorly soluble drugs during microdialysis sampling: Implications for in vitro dissolution-/permeation-studies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 145, 586-592	3.5	6
21	Effect of degree of methoxylation and particle size on compression properties and compactibility of pectin powders. <i>Pharmaceutical Development and Technology</i> , 2012 , 17, 333-43	3.4	6
20	N-(3-Hydroxyphenyl)acetamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006 , 62, o3627-o3628		5
19	Isothermal titration calorimetry (ITC) method to study drug/ion exchanger interaction. <i>Journal of Thermal Analysis and Calorimetry</i> , 2006 , 83, 309-312	4.1	5
18	Diflunisal hexane (4/1). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2001 , 57, o604-o606		5
17	Redetermination and H-atom refinement of (S)-(+)-ibuprofen. Corrigendum.. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006 , 62, e17-e18		4
16	Do Phospholipids Boost or Attenuate Drug Absorption? In Vitro and In Vivo Evaluation of Mono- and Diacyl Phospholipid-Based Solid Dispersions of Celecoxib. <i>Journal of Pharmaceutical Sciences</i> , 2021 , 110, 198-207	3.9	4
15	The influence of liquid intake on the performance of an amorphous solid dispersion in rats. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020 , 152, 296-298	5.7	3
14	Felodipine-diazabicyclo[2.2.2]octane-water (1/1/1). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2012 , 68, o456-8		3
13	Redetermination of p-ethoxyacetanilide (phenacetin). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006 , 62, o2712-o2713		3

- 12 Solvates with anomalous low melting points. *Journal of Thermal Analysis and Calorimetry*, **2003**, 73, 715-725 3
- 11 The methanol hemisolvate of amiloride hydrochloride. *Acta Crystallographica Section C: Crystal Structure Communications*, **2001**, 57, 1217-9 3
- 10 Characterisation of the Ion Exchange Reaction Between Propranolol-H⁺ or K⁺ with Amberlite MB3 Mixed Bed Ion Exchange Resin by Both, Isothermal Titration Calorimetry and (Flame) Photometric Equilibrium Analysis. *Open Drug Delivery Journal*, **2009**, 3, 10-18 3
- 9 3-(Acetylamino)benzoic acid. *Acta Crystallographica Section E: Structure Reports Online*, **2007**, 63, o2361-o2361 2
- 8 Stirred not Shaken! Comparing Agitation Methods for Permeability Studies Using a Novel Type of 96-Well Sandwich-Plates. *Journal of Pharmaceutical Sciences*, **2021**, 110, 1055-1062 3.9 2
- 7 Acute effects of delayed-release hydrolyzed pine nut oil on glucose tolerance, incretins, ghrelin and appetite in healthy humans. *Clinical Nutrition*, **2021**, 40, 2169-2179 5.9 2
- 6 Redetermination of 3-hydroxybenzamide. *Acta Crystallographica Section E: Structure Reports Online*, **2007**, 63, o2359-o2360 1
- 5 Enabling formulations of aprepitant: and comparison of nanocrystalline, amorphous and deep eutectic solvent based formulations. *International Journal of Pharmaceutics: X*, **2021**, 3, 100083 3.2 1
- 4 Microdialysis and nanofiltration allow to distinguish molecularly dissolved from colloid-associated drug concentrations during biomimetic dissolution testing of supersaturating formulations.. *European Journal of Pharmaceutical Sciences*, **2022**, 166, 106166 5.1 0
- 3 On the drug-loading capacity of pectin powder for direct compression. *AAPS PharmSciTech*, **2012**, 13, 601-4 3.9
- 2 Pyridine-3-carbaldehyde 2-pyridylhydrazone. *Acta Crystallographica Section E: Structure Reports Online*, **2007**, 63, o3042-o3042 1
- 1 Raman Imaging as a powerful tool to elucidate chemical processes in a matrix: Medicated chewing gums with nicotine.. *Journal of Pharmaceutical and Biomedical Analysis*, **2021**, 209, 114519 3.5