

# Christel A S Bergstrm

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/6662582/christel-a-s-bergstrom-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

137  
papers

5,094  
citations

40  
h-index

68  
g-index

150  
ext. papers

5,903  
ext. citations

5.5  
avg, IF

6.1  
L-index

#	Paper	IF	Citations
137	Manipulations and age-appropriateness of oral medications in pediatric oncology patients in Sweden: Need for personalized dosage forms.. <i>Biomedicine and Pharmacotherapy</i> , <b>2022</b> , 146, 112576	7.5	0
136	Preformulation Considerations for Design of Oral Modified-Release Products <b>2022</b> , 87-102		
135	Pharmaceutical profiling and molecular dynamics simulations reveal crystallization effects in amorphous formulations.. <i>International Journal of Pharmaceutics</i> , <b>2021</b> , 613, 121360	6.5	1
134	Physiological properties, composition and structural profiling of porcine gastrointestinal mucus. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2021</b> , 169, 156-167	5.7	6
133	Impact of Simulated Intestinal Fluids on Dissolution, Solution Chemistry, and Membrane Transport of Amorphous Multidrug Formulations. <i>Molecular Pharmaceutics</i> , <b>2021</b> , 18, 4079-4089	5.6	
132	3D-printing of solid lipid tablets from emulsion gels. <i>International Journal of Pharmaceutics</i> , <b>2021</b> , 597, 120304	6.5	22
131	Utilizing Laser Activation of Photothermal Plasmonic Nanoparticles to Induce On-Demand Drug Amorphization inside a Tablet. <i>Molecular Pharmaceutics</i> , <b>2021</b> , 18, 2254-2262	5.6	4
130	Enhanced UV protection and water adsorption properties of transparent poly(methyl methacrylate) films through incorporation of amorphous magnesium carbonate nanoparticles. <i>Journal of Polymer Research</i> , <b>2021</b> , 28, 1	2.7	0
129	3D-Printed Mesoporous Carrier System for Delivery of Poorly Soluble Drugs. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	4
128	InVitro and InVivo Evaluation of 3D Printed Capsules with Pressure Triggered Release Mechanism for Oral Peptide Delivery. <i>Journal of Pharmaceutical Sciences</i> , <b>2021</b> , 110, 228-238	3.9	8
127	Synergistic Computational Modeling Approaches as Team Players in the Game of Solubility Predictions. <i>Journal of Pharmaceutical Sciences</i> , <b>2021</b> , 110, 22-34	3.9	2
126	Molecular Dynamics Simulations Reveal Membrane Interactions for Poorly Water-Soluble Drugs: Impact of Bile Solubilization and Drug Aggregation. <i>Journal of Pharmaceutical Sciences</i> , <b>2021</b> , 110, 176-185	3.9	8
125	Contemporary Formulation Development for Inhaled Pharmaceuticals. <i>Journal of Pharmaceutical Sciences</i> , <b>2021</b> , 110, 66-86	3.9	7
124	Investigation of Self-Emulsifying Drug-Delivery System Interaction with a Biomimetic Membrane under Conditions Relevant to the Small Intestine. <i>Langmuir</i> , <b>2021</b> , 37, 10200-10213	4	0
123	Design and Evaluation of New Quinazolin-4(3)-one Derived PqsR Antagonists as Quorum Sensing Quenchers in. <i>ACS Infectious Diseases</i> , <b>2021</b> , 7, 2666-2685	5.5	5
122	Comparison of Cellular Monolayers and an Artificial Membrane as Absorptive Membranes in the in vitro Lipolysis-permeation Assay. <i>Journal of Pharmaceutical Sciences</i> , <b>2021</b> ,	3.9	1
121	Combined Catalysis for Engineering Bioinspired, Lignin-Based, Long-Lasting, Adhesive, Self-Mending, Antimicrobial Hydrogels. <i>ACS Nano</i> , <b>2020</b> ,	16.7	38

120	In Vitro Performance and Chemical Stability of Lipid-Based Formulations Encapsulated in a Mesoporous Magnesium Carbonate Carrier. <i>Pharmaceutics</i> , <b>2020</b> , 12,	6.4	1
119	Hit Identification of New Potent PqsR Antagonists as Inhibitors of Quorum Sensing in Planktonic and Biofilm Grown. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 204	5	12
118	Intrinsic Dissolution Rate Profiling of Poorly Water-Soluble Compounds in Biorelevant Dissolution Media. <i>Pharmaceutics</i> , <b>2020</b> , 12,	6.4	7
117	Selection of In Vivo Predictive Dissolution Media Using Drug Substance and Physiological Properties. <i>AAPS Journal</i> , <b>2020</b> , 22, 34	3.7	25
116	An in vitro dissolution-digestion-permeation assay for the study of advanced drug delivery systems. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2020</b> , 149, 21-29	5.7	16
115	Model-Informed Drug Development in Pulmonary Delivery: Semimechanistic Pharmacokinetic-Pharmacodynamic Modeling for Evaluation of Treatments against Chronic Lung Infections. <i>Molecular Pharmaceutics</i> , <b>2020</b> , 17, 1458-1469	5.6	6
114	Multifunctional Polymer-Free Mineral Plastic Adhesives Formed by Multiple Noncovalent Bonds. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 7403-7410	9.5	3
113	Acamprosate Is a Substrate of the Human Organic Anion Transporter (OAT) 1 without OAT3 Inhibitory Properties: Implications for Renal Acamprosate Secretion and Drug-Drug Interactions. <i>Pharmaceutics</i> , <b>2020</b> , 12,	6.4	6
112	Electrochemically Active, Compressible, and Conducting Silk Fibroin Hydrogels. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 9310-9317	3.9	15
111	Suitability of Artificial Membranes in Lipolysis-Permeation Assays of Oral Lipid-Based Formulations. <i>Pharmaceutical Research</i> , <b>2020</b> , 37, 99	4.5	11
110	Influence of Bile Composition on Membrane Incorporation of Transient Permeability Enhancers. <i>Molecular Pharmaceutics</i> , <b>2020</b> , 17, 4226-4240	5.6	10
109	Molecular Dynamics Simulations on Interindividual Variability of Intestinal Fluids: Impact on Drug Solubilization. <i>Molecular Pharmaceutics</i> , <b>2020</b> , 17, 3837-3844	5.6	10
108	Model-Informed Drug Discovery and Development in Pulmonary Delivery: Biopharmaceutical Pharmacometric Modeling for Formulation Evaluation of Pulmonary Suspensions. <i>ACS Omega</i> , <b>2020</b> , 5, 25733-25746	3.9	3
107	Insights into Dissolution and Solution Chemistry of Multidrug Formulations of Antihypertensive Drugs. <i>Molecular Pharmaceutics</i> , <b>2020</b> , 17, 4018-4028	5.6	3
106	Long-Term Physical (In)Stability of Spray-Dried Amorphous Drugs: Relationship with Glass-Forming Ability and Physicochemical Properties. <i>Pharmaceutics</i> , <b>2019</b> , 11,	6.4	9
105	The Permeation of Acamprosate Is Predominantly Caused by Paracellular Diffusion across Caco-2 Cell Monolayers: A Paracellular Modeling Approach. <i>Molecular Pharmaceutics</i> , <b>2019</b> , 16, 4636-4650	5.6	4
104	Molecular Drivers of Crystallization Kinetics for Drugs in Supersaturated Aqueous Solutions. <i>Journal of Pharmaceutical Sciences</i> , <b>2019</b> , 108, 252-259	3.9	3
103	Does the Intake of Ethanol Affect Oral Absorption of Poorly Soluble Drugs?. <i>Journal of Pharmaceutical Sciences</i> , <b>2019</b> , 108, 1765-1771	3.9	1

102	Aggregation Behavior of Medium Chain Fatty Acids Studied by Coarse-Grained Molecular Dynamics Simulation. <i>AAPS PharmSciTech</i> , <b>2019</b> , 20, 61	3.9	16
101	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> , <b>2019</b> , 137, 104967	5.1	118
100	Thromboinflammation as bioactivity assessment of HO-alkali modified titanium surfaces. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2019</b> , 30, 66	4.5	1
99	Effect of lipids on absorption of carvedilol in dogs: Is coadministration of lipids as efficient as a lipid-based formulation?. <i>Journal of Controlled Release</i> , <b>2019</b> , 304, 90-100	11.7	20
98	Biorelevant intrinsic dissolution profiling in early drug development: Fundamental, methodological, and industrial aspects. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2019</b> , 139, 101-114	5.7	9
97	Molecular simulation as a computational pharmaceutics tool to predict drug solubility, solubilization processes and partitioning. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2019</b> , 137, 46-55	5.7	42
96	Evaluation of an alkali-treated and hydroxyapatite-coated orthopedic implant loaded with tobramycin. <i>Journal of Biomaterials Applications</i> , <b>2019</b> , 34, 699-720	2.9	5
95	Supersaturation Potential of Amorphous Active Pharmaceutical Ingredients after Long-Term Storage. <i>Molecules</i> , <b>2019</b> , 24,	4.8	4
94	Lipolysis-Permeation Setup for Simultaneous Study of Digestion and Absorption in Vitro. <i>Molecular Pharmaceutics</i> , <b>2019</b> , 16, 921-930	5.6	41
93	Perspectives in solubility measurement and interpretation.. <i>ADMET and DMPK</i> , <b>2019</b> , 7, 88-105	1.3	24
92	Synthesis and characterization of amorphous magnesium carbonate nanoparticles. <i>Materials Chemistry and Physics</i> , <b>2019</b> , 224, 301-307	4.4	8
91	Titanium surface modification to enhance antibacterial and bioactive properties while retaining biocompatibility. <i>Materials Science and Engineering C</i> , <b>2019</b> , 96, 272-279	8.3	32
90	Model-Based Drug Development in Pulmonary Delivery: Pharmacokinetic Analysis of Novel Drug Candidates for Treatment of Pseudomonas aeruginosa Lung Infection. <i>Journal of Pharmaceutical Sciences</i> , <b>2019</b> , 108, 630-640	3.9	8
89	Caco-2 Cell Conditions Enabling Studies of Drug Absorption from Digestible Lipid-Based Formulations. <i>Pharmaceutical Research</i> , <b>2018</b> , 35, 74	4.5	35
88	Computational prediction of drug solubility in water-based systems: Qualitative and quantitative approaches used in the current drug discovery and development setting. <i>International Journal of Pharmaceutics</i> , <b>2018</b> , 540, 185-193	6.5	83
87	Amorphous magnesium carbonate nanoparticles with strong stabilizing capability for amorphous ibuprofen. <i>International Journal of Pharmaceutics</i> , <b>2018</b> , 548, 515-521	6.5	6
86	Impact of Drug Physicochemical Properties on Lipolysis-Triggered Drug Supersaturation and Precipitation from Lipid-Based Formulations. <i>Molecular Pharmaceutics</i> , <b>2018</b> , 15, 4733-4744	5.6	23
85	A Modified In Situ Method to Determine Release from a Complex Drug Carrier in Particle-Rich Suspensions. <i>AAPS PharmSciTech</i> , <b>2018</b> , 19, 2859-2865	3.9	4

84	Ion-crosslinked wood-derived nanocellulose hydrogels with tunable antibacterial properties: Candidate materials for advanced wound care applications. <i>Carbohydrate Polymers</i> , <b>2018</b> , 181, 345-350	10.3	61
83	Automated assays for thermodynamic (equilibrium) solubility determination. <i>Drug Discovery Today: Technologies</i> , <b>2018</b> , 27, 11-19	7.1	19
82	Debridement of Bacterial Biofilms with TiO <sub>2</sub> /HO Solutions and Visible Light Irradiation. <i>International Journal of Biomaterials</i> , <b>2018</b> , 2018, 5361632	3.2	
81	Substrate and method dependent inhibition of three ABC-transporters (MDR1, BCRP, and MRP2). <i>European Journal of Pharmaceutical Sciences</i> , <b>2017</b> , 103, 70-76	5.1	24
80	Enhanced release of poorly water-soluble drugs from synergy between mesoporous magnesium carbonate and polymers. <i>International Journal of Pharmaceutics</i> , <b>2017</b> , 525, 183-190	6.5	12
79	Mechanism-based selection of stabilization strategy for amorphous formulations: Insights into crystallization pathways. <i>Journal of Controlled Release</i> , <b>2017</b> , 256, 193-202	11.7	48
78	The Need for Restructuring the Disordered Science of Amorphous Drug Formulations. <i>Pharmaceutical Research</i> , <b>2017</b> , 34, 1754-1772	4.5	63
77	Enhanced charge carrier extraction by a highly ordered wrinkled MgZnO thin film for colloidal quantum dot solar cells. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 11111-11120	7.1	16
76	Investigation of the Intra- and Interlaboratory Reproducibility of a Small Scale Standardized Supersaturation and Precipitation Method. <i>Molecular Pharmaceutics</i> , <b>2017</b> , 14, 4161-4169	5.6	10
75	Organic degradation potential of a TiO <sub>2</sub> /HO/UV-vis system for dental applications. <i>Journal of Dentistry</i> , <b>2017</b> , 67, 53-57	4.8	6
74	Molecular Structuring and Phase Transition of Lipid-Based Formulations upon Water Dispersion: A Coarse-Grained Molecular Dynamics Simulation Approach. <i>Molecular Pharmaceutics</i> , <b>2017</b> , 14, 4145-4153	5.6	13
73	Characterization of Solubilizing Nanoaggregates Present in Different Versions of Simulated Intestinal Fluid. <i>Journal of Physical Chemistry B</i> , <b>2017</b> , 121, 10869-10881	3.4	33
72	Controlled Suspensions Enable Rapid Determinations of Intrinsic Dissolution Rate and Apparent Solubility of Poorly Water-Soluble Compounds. <i>Pharmaceutical Research</i> , <b>2017</b> , 34, 1805-1816	4.5	12
71	Partitioning into Colloidal Structures of Fasted State Intestinal Fluid Studied by Molecular Dynamics Simulations. <i>Langmuir</i> , <b>2016</b> , 32, 12732-12740	4	17
70	Investigation of the Antibacterial Effect of Mesoporous Magnesium Carbonate. <i>ACS Omega</i> , <b>2016</b> , 1, 907-914	3.9	7
69	Interlaboratory Validation of Small-Scale Solubility and Dissolution Measurements of Poorly Water-Soluble Drugs. <i>Journal of Pharmaceutical Sciences</i> , <b>2016</b> , 105, 2864-2872	3.9	30
68	Tools for Early Prediction of Drug Loading in Lipid-Based Formulations. <i>Molecular Pharmaceutics</i> , <b>2016</b> , 13, 251-61	5.6	52
67	Compromised in vitro dissolution and membrane transport of multidrug amorphous formulations. <i>Journal of Controlled Release</i> , <b>2016</b> , 229, 172-182	11.7	33

66	In vitro antibacterial properties and UV induced response from Staphylococcus epidermidis on Ag/Ti oxide thin films. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2016</b> , 27, 49	4.5	4
65	Computational prediction of formulation strategies for beyond-rule-of-5 compounds. <i>Advanced Drug Delivery Reviews</i> , <b>2016</b> , 101, 6-21	18.5	92
64	Dynamics of water confined in mesoporous magnesium carbonate. <i>Journal of Chemical Physics</i> , <b>2016</b> , 145, 234503	3.9	
63	50years of oral lipid-based formulations: Provenance, progress and future perspectives. <i>Advanced Drug Delivery Reviews</i> , <b>2016</b> , 101, 167-194	18.5	229
62	Diffusion-Controlled Drug Release From the Mesoporous Magnesium Carbonate Upsalite(®). <i>Journal of Pharmaceutical Sciences</i> , <b>2016</b> , 105, 657-663	3.9	32
61	Rapid determination of drug solubilization versus supersaturation in natural and digested lipids. <i>International Journal of Pharmaceutics</i> , <b>2016</b> , 513, 164-174	6.5	24
60	Supersaturation of poorly soluble drugs induced by mesoporous magnesium carbonate. <i>European Journal of Pharmaceutical Sciences</i> , <b>2016</b> , 93, 468-74	5.1	17
59	Dielectric Spectroscopy Study of Water Behavior in Calcined Upsalite: A Mesoporous Magnesium Carbonate without Organic Surface Groups. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 15680-15688	3.8	7
58	Physical stability of drugs after storage above and below the glass transition temperature: Relationship to glass-forming ability. <i>International Journal of Pharmaceutics</i> , <b>2015</b> , 495, 312-317	6.5	56
57	Models for Predicting Drug Absorption From Oral Lipid-Based Formulations. <i>Current Molecular Biology Reports</i> , <b>2015</b> , 1, 141-147	2	9
56	Intestinal solubility and absorption of poorly water soluble compounds: predictions, challenges and solutions. <i>Therapeutic Delivery</i> , <b>2015</b> , 6, 935-59	3.8	29
55	Concomitant intake of alcohol may increase the absorption of poorly soluble drugs. <i>European Journal of Pharmaceutical Sciences</i> , <b>2015</b> , 67, 12-20	5.1	28
54	Reactive combinatorial synthesis and characterization of a gradient Ag-Ti oxide thin film with antibacterial properties. <i>Acta Biomaterialia</i> , <b>2015</b> , 11, 503-10	10.8	32
53	Computational prediction of drug solubility in fasted simulated and aspirated human intestinal fluid. <i>Pharmaceutical Research</i> , <b>2015</b> , 32, 578-89	4.5	36
52	Computational modeling to predict the functions and impact of drug transporters. <i>In Silico Pharmacology</i> , <b>2015</b> , 3, 8	4.3	18
51	Bacteria viability assessment after photocatalytic treatment. <i>3 Biotech</i> , <b>2014</b> , 4, 149-157	2.8	8
50	Early pharmaceutical profiling to predict oral drug absorption: current status and unmet needs. <i>European Journal of Pharmaceutical Sciences</i> , <b>2014</b> , 57, 173-99	5.1	198
49	Pyridyl benzamides as a novel class of potent inhibitors for the kinetoplastid Trypanosoma brucei. <i>Journal of Medicinal Chemistry</i> , <b>2014</b> , 57, 6393-402	8.3	47



48	Computational predictions of glass-forming ability and crystallization tendency of drug molecules. <i>Molecular Pharmaceutics</i> , <b>2014</b> , 11, 3123-32	5.6	60
47	Experimental and computational prediction of glass transition temperature of drugs. <i>Journal of Chemical Information and Modeling</i> , <b>2014</b> , 54, 3396-403	6.1	32
46	Is the full potential of the biopharmaceutics classification system reached?. <i>European Journal of Pharmaceutical Sciences</i> , <b>2014</b> , 57, 224-31	5.1	40
45	Formulation of the microbicide INP0341 for in vivo protection against a vaginal challenge by <i>Chlamydia trachomatis</i> . <i>PLoS ONE</i> , <b>2014</b> , 9, e110918	3.7	7
44	Computational prediction of drug solubility in lipid based formulation excipients. <i>Pharmaceutical Research</i> , <b>2013</b> , 30, 3225-37	4.5	74
43	Early identification of clinically relevant drug interactions with the human bile salt export pump (BSEP/ABCB11). <i>Toxicological Sciences</i> , <b>2013</b> , 136, 328-43	4.4	113
42	Optimizing solubility and permeability of a biopharmaceutics classification system (BCS) class 4 antibiotic drug using lipophilic fragments disturbing the crystal lattice. <i>Journal of Medicinal Chemistry</i> , <b>2013</b> , 56, 2690-4	8.3	32
41	Stability and prospect of UV/H <sub>2</sub> O <sub>2</sub> activated titania films for biomedical use. <i>Applied Surface Science</i> , <b>2013</b> , 285, 317-323	6.7	16
40	Evaluation of the structural determinants of polymeric precipitation inhibitors using solvent shift methods and principle component analysis. <i>Molecular Pharmaceutics</i> , <b>2013</b> , 10, 2823-48	5.6	44
39	Early drug development predictions of glass-forming ability and physical stability of drugs. <i>European Journal of Pharmaceutical Sciences</i> , <b>2013</b> , 49, 323-32	5.1	79
38	Synergetic inactivation of <i>Staphylococcus epidermidis</i> and <i>Streptococcus mutans</i> in a TiO <sub>2</sub> /H <sub>2</sub> O <sub>2</sub> /UV system. <i>Biomatter</i> , <b>2013</b> , 3,		19
37	In vitro and in silico strategies to identify OATP1B1 inhibitors and predict clinical drug-drug interactions. <i>Pharmaceutical Research</i> , <b>2012</b> , 29, 411-26	4.5	96
36	Computational prediction of CNS drug exposure based on a novel in vivo dataset. <i>Pharmaceutical Research</i> , <b>2012</b> , 29, 3131-42	4.5	17
35	Ethanol effects on apparent solubility of poorly soluble drugs in simulated intestinal fluid. <i>Molecular Pharmaceutics</i> , <b>2012</b> , 9, 1942-52	5.6	51
34	A method for quantitative determination of biofilm viability. <i>Journal of Functional Biomaterials</i> , <b>2012</b> , 3, 418-31	4.8	64
33	Toward in silico prediction of glass-forming ability from molecular structure alone: a screening tool in early drug development. <i>Molecular Pharmaceutics</i> , <b>2011</b> , 8, 498-506	5.6	68
32	Structural features determining the intestinal epithelial permeability and efflux of novel HIV-1 protease inhibitors. <i>Journal of Pharmaceutical Sciences</i> , <b>2011</b> , 100, 3763-72	3.9	8
31	Dissolution rate and apparent solubility of poorly soluble drugs in biorelevant dissolution media. <i>Molecular Pharmaceutics</i> , <b>2010</b> , 7, 1419-30	5.6	133

30	A modified physiological BCS for prediction of intestinal absorption in drug discovery. <i>Molecular Pharmaceutics</i> , <b>2010</b> , 7, 1478-87	5.6	43
29	Hepatitis C virus NS3 protease inhibitors: large, flexible molecules of peptide origin show satisfactory permeability across Caco-2 cells. <i>European Journal of Pharmaceutical Sciences</i> , <b>2009</b> , 38, 556-63	5.1	14
28	Identification of novel specific and general inhibitors of the three major human ATP-binding cassette transporters P-gp, BCRP and MRP2 among registered drugs. <i>Pharmaceutical Research</i> , <b>2009</b> , 26, 1816-31	4.5	247
27	Determining the static dielectric permittivity of ion conducting materials when obscured by electrode polarization. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 092901	3.4	8
26	Molecular characteristics for solid-state limited solubility. <i>Journal of Medicinal Chemistry</i> , <b>2008</b> , 51, 3035-9	3.3	80
25	Prediction and identification of drug interactions with the human ATP-binding cassette transporter multidrug-resistance associated protein 2 (MRP2; ABCC2). <i>Journal of Medicinal Chemistry</i> , <b>2008</b> , 51, 3275-87	8.2	111
24	Structural requirements for drug inhibition of the liver specific human organic cation transport protein 1. <i>Journal of Medicinal Chemistry</i> , <b>2008</b> , 51, 5932-42	8.3	151
23	Environment-induced surface dynamics of a biomimetic ionomer studied using in situ second harmonic generation. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 11573-9	3.4	
22	Order and Disorder in Powder Mixtures: Spatial Distribution Functions as Tools to Assess Powder Homogeneity. <i>Particle and Particle Systems Characterization</i> , <b>2008</b> , 25, 397-405	3.1	
21	Biodegradable Ionomers for the Loading and Release of Proteins: Formation, Characterization, Mechanism, and Consequence of Water Uptake. <i>ACS Symposium Series</i> , <b>2008</b> , 250-266	0.4	
20	Computational Absorption Prediction. <i>Methods and Principles in Medicinal Chemistry</i> , <b>2008</b> , 409-432	0.4	
19	Molecular dynamics of a biodegradable biomimetic ionomer studied by broadband dielectric spectroscopy. <i>Langmuir</i> , <b>2007</b> , 23, 10209-15	4	3
18	Photoinduced formation of N <sub>2</sub> molecules in ammonium compounds. <i>Journal of Physical Chemistry A</i> , <b>2007</b> , 111, 9662-9	2.8	6
17	A global drug inhibition pattern for the human ATP-binding cassette transporter breast cancer resistance protein (ABCG2). <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2007</b> , 323, 19-30	4.7	102
16	Poorly soluble marketed drugs display solvation limited solubility. <i>Journal of Medicinal Chemistry</i> , <b>2007</b> , 50, 5858-62	8.3	130
15	Contribution of solid-state properties to the aqueous solubility of drugs. <i>European Journal of Pharmaceutical Sciences</i> , <b>2006</b> , 29, 294-305	5.1	100
14	Prediction of ADMET Properties. <i>ChemMedChem</i> , <b>2006</b> , 1, 920-37	3.7	128
13	Comparative drug release measurements in limited amounts of liquid: a suppository formulation study. <i>Current Drug Delivery</i> , <b>2006</b> , 3, 299-306	3.2	1



12	Exploring the role of different drug transport routes in permeability screening. <i>Journal of Medicinal Chemistry</i> , <b>2005</b> , 48, 604-13	8.3	113
11	Computational models to predict aqueous drug solubility, permeability and intestinal absorption. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , <b>2005</b> , 1, 613-27	5.5	26
10	In silico predictions of drug solubility and permeability: two rate-limiting barriers to oral drug absorption. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2005</b> , 96, 156-61	3.1	49
9	The importance of gel properties for mucoadhesion measurements: a multivariate data analysis approach. <i>Journal of Pharmacy and Pharmacology</i> , <b>2004</b> , 56, 161-8	4.8	17
8	Accuracy of calculated pH-dependent aqueous drug solubility. <i>European Journal of Pharmaceutical Sciences</i> , <b>2004</b> , 22, 387-98	5.1	157
7	Global and local computational models for aqueous solubility prediction of drug-like molecules. <i>Journal of Chemical Information and Computer Sciences</i> , <b>2004</b> , 44, 1477-88		91
6	Intestinal Absorption: The Role of Polar Surface Area. <i>Methods and Principles in Medicinal Chemistry</i> , <b>2003</b> , 339-357	0.4	6
5	Molecular descriptors influencing melting point and their role in classification of solid drugs. <i>Journal of Chemical Information and Computer Sciences</i> , <b>2003</b> , 43, 1177-85		76
4	Absorption classification of oral drugs based on molecular surface properties. <i>Journal of Medicinal Chemistry</i> , <b>2003</b> , 46, 558-70	8.3	225
3	Experimental and computational screening models for prediction of aqueous drug solubility. <i>Pharmaceutical Research</i> , <b>2002</b> , 19, 182-8	4.5	128
2	Theoretical predictions of drug absorption in drug discovery and development. <i>Clinical Pharmacokinetics</i> , <b>2002</b> , 41, 877-99	6.2	48
1	Prediction of ADMET Properties1003-1042		4