Ajaz S Hussain

List of Publications by Year
in descending order

24 papers	2,692 citations	394421 19 h-index	580821 25 g-index
26 all docs	26 docs citations	26 times ranked	2703 citing authors

#	Article	IF	Citations
1	Molecular Properties of WHO Essential Drugs and Provisional Biopharmaceutical Classification. Molecular Pharmaceutics, 2004, 1, 85-96.	4.6	691
2	Biopharmaceutics classification system: the scientific basis for biowaiver extensions. Pharmaceutical Research, 2002, 19, 921-925.	3.5	460
3	Applications of process analytical technology to crystallization processes. Advanced Drug Delivery Reviews, 2004, 56, 349-369.	13.7	262
4	Transdermal drug delivery system (TDDS) adhesion as a critical safety, efficacy and quality attribute. European Journal of Pharmaceutics and Biopharmaceutics, 2006, 64, 1-8.	4.3	236
5	Feasibility studies of utilizing disk intrinsic dissolution rate to classify drugs. International Journal of Pharmaceutics, 2004, 270, 221-227.	5.2	165
6	Application of neural computing in pharmaceutical product development. Pharmaceutical Research, 1991, 08, 1248-1252.	3.5	131
7	Identification of critical formulation and processing variables for metoprolol tartrate extended-release (ER) matrix tablets1This manuscript represents the personal opinions of the authors and does not necessarily represent the views or policies of the FDA.1. Journal of Controlled Release, 1999, 59, 327-342.	9.9	78
8	Development of metoprolol tartrate extended-release matrix tablet formulations for regulatory policy consideration. Journal of Controlled Release, 1998, 50, 247-256.	9.9	74
9	Application of Neural Computing in Pharmaceutical Product Development: Computer Aided Formulation Design. Drug Development and Industrial Pharmacy, 1994, 20, 1739-1752.	2.0	59
10	Feasibility of developing a neural network for prediction of human pharmacokinetic parameters from animal data. Pharmaceutical Research, 1993, 10, 466-469.	3.5	57
11	Process analytical technology (PAT): Effects of instrumental and compositional variables on terahertz spectral data quality to characterize pharmaceutical materials and tablets. International Journal of Pharmaceutics, 2007, 343, 148-158.	5.2	56
12	Process Analytical Technology (PAT): Quantification Approaches in Terahertz Spectroscopy for Pharmaceutical Application. Journal of Pharmaceutical Sciences, 2008, 97, 970-984.	3.3	54
13	PROCESS CONTROL PERSPECTIVE FOR PROCESS ANALYTICAL TECHNOLOGY: INTEGRATION OF CHEMICAL ENGINEERING PRACTICE INTO SEMICONDUCTOR AND PHARMACEUTICAL INDUSTRIES. Chemical Engineering Communications, 2007, 194, 760-779.	2.6	49
14	Quality-by-Design (QbD): Effects of Testing Parameters and Formulation Variables on the Segregation Tendency of Pharmaceutical Powder Measured by the ASTM D 6940-04 Segregation Tester. Journal of Pharmaceutical Sciences, 2008, 97, 4485-4497.	3.3	44
15	The effect of in vivo dissolution, gastric emptying rate, and intestinal transit time on the peak concentration and area-under-the-curve of drugs with different gastrointestinal permeabilities. Pharmaceutical Research, 1999, 16, 272-280.	3.5	40
16	The Effect of Food on the Relative Bioavailability of Rapidly Dissolving Immediate-Release Solid Oral Products Containing Highly Soluble Drugs. Molecular Pharmaceutics, 2004, 1, 357-362.	4.6	35
17	Comparative Pharmacokinetics of Ethanol in Inbred Strains of Mice Using Doses Based on Total Body Water. Alcoholism: Clinical and Experimental Research, 1990, 14, 82-86.	2.4	24
18	Modeling the pharmacokinetics and pharmacodynamics of a unique oral hypoglycemic agent using neural networks. Pharmaceutical Research, 2002, 19, 87-91.	3.5	24

#	Article	IF	Citations
19	Effects of Blending a Nonionic and an Anionic Cellulose Ether Polymer on Drug Release from Hydrophilic Matrix Capsules. Drug Development and Industrial Pharmacy, 1994, 20, 2645-2657.	2.0	18
20	Influence of drug release properties of conventional solid dosage forms on the systemic exposure of highly soluble drugs. AAPS PharmSci, 2001, 3, 86-92.	1.3	17
21	Artificial Neural Network Based in Vitro-in Vivo Correlations. Advances in Experimental Medicine and Biology, 1997, 423, 149-158.	1.6	6
22	USE OF PAT FOR ACTIVE PHARMACEUTICAL INGREDIENT CRYSTALLIZATION PROCESS CONTROL. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 147-152.	0.4	5
23	Development of in Vitro-in Vivo Correlations Using Various Artificial Neural Network Configurations. Advances in Experimental Medicine and Biology, 1997, 423, 225-239.	1.6	3
24	Pharmaceutical Quality, Team Science, and Education Themes: Observations and Commentary on a Remarkable AAPS PharmSciTech Theme Issue. AAPS PharmSciTech, 2021, 22, 88.	3.3	1