Taravat Ghafourian

List of Publications by Year
in descending order

63	1,844	257450 24	276875 41
papers	citations	h-index	g-index

64	64	64	2027
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The enhancement effect of surfactants on the penetration of lorazepam through rat skin. International Journal of Pharmaceutics, 2003, 250, 359-369.	5.2	133
2	The effect of surfactants on the skin penetration of diazepam. International Journal of Pharmaceutics, 2001, 228, 99-107.	5.2	125
3	The effect of penetration enhancers on drug delivery through skin: a QSAR study. Journal of Controlled Release, 2004, 99, 113-125.	9.9	104
4	Solubility of Chlordiazepoxide, Diazepam, and Lorazepam in Ethanol + Water Mixtures at 303.2 K. Journal of Chemical & Engineering Data, 2009, 54, 2142-2145.	1.9	94
5	Draize Rabbit Eye Test Compatibility with Eye Irritation Thresholds in Humans: A Quantitative Structure-Activity Relationship Analysis. Toxicological Sciences, 2003, 76, 384-391.	3.1	81
6	The effect of terpene concentrations on the skin penetration of diclofenac sodium. International Journal of Pharmaceutics, 2007, 335, 97-105.	5.2	81
7	Decision trees to characterise the roles of permeability and solubility on the prediction of oral absorption. European Journal of Medicinal Chemistry, 2015, 90, 751-765.	5.5	75
8	QSAR models for the prediction of plasma protein binding. BioImpacts, 2013, 3, 21-7.	1.5	62
9	Hydrogen Bonding Parameters for QSAR:â€‰ Comparison of Indicator Variables, Hydrogen Bond Counts, Molecular Orbital and Other Parameters. Journal of Chemical Information and Computer Sciences, 1999, 39, 231-235.	2.8	59
10	The Impact of variable selection on the modelling of oestrogenicity. SAR and QSAR in Environmental Research, 2005, 16, 171-190.	2.2	57
11	QSPR models for the prediction of apparent volume of distribution. International Journal of Pharmaceutics, 2006, 319, 82-97.	5.2	57
12	Validated models for predicting skin penetration from different vehicles. European Journal of Pharmaceutical Sciences, 2010, 41, 612-616.	4.0	45
13	Molecular modeling of histamine H3 receptor and QSAR studies on arylbenzofuran derived H3 antagonists. Journal of Molecular Graphics and Modelling, 2008, 26, 834-844.	2.4	39
14	A novel applicability domain technique for mapping predictive reliability across the chemical space of a QSAR: reliability-density neighbourhood. Journal of Cheminformatics, 2016, 8, .	6.1	38
15	Modelling the effect of mixture components on permeation through skin. International Journal of Pharmaceutics, 2010, 398, 28-32.	5.2	36
16	The effect of formulations and experimental conditions on in vitro human skin permeationâ€”Data from updated EDETOX database. International Journal of Pharmaceutics, 2012, 434, 280-291.	5.2	35
17	Solubility of Benzodiazepines in Polyethylene Glycol 200 + Water Mixtures at 303.2 K. Journal of Chemical & Engineering Data, 2010, 55, 519-522.	1.9	34
18	Machine learning for predicting lifespan-extending chemical compounds. Aging, 2017, 9, 1721-1737.	3.1	34

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19	The effect of glycyrrhizin on the release rate and skin penetration of diclofenac sodium from topical formulations. Il Farmaco, 2002, 57, 883-888.	0.9	31
20	The Use of Atomic Charges and Orbital Energies as Hydrogen-bonding-donor Parameters for QSAR Studies: Comparison of MNDO, AM1 and PM3 Methods. Journal of Pharmacy and Pharmacology, 2010, 52, 603-610.	2.4	31
21	Quantitative Study of the Structural Requirements of Phthalazine/Quinazoline Derivatives for Interaction with Human Liver Aldehyde Oxidase.. Chemical and Pharmaceutical Bulletin, 2001, 49, 1066-1071.	1.3	28
22	The effect of structural QSAR parameters on skin penetration. International Journal of Pharmaceutics, 2001, 217, 1-11.	5.2	28
23	A drug release study from hydroxypropylmethylcellulose (HPMC) matrices using QSPR modeling. Journal of Pharmaceutical Sciences, 2007, 96, 3334-3351.	3.3	28
24	Quantitative structure-pharmacokinetic relationship modelling: apparent volume of distribution. Journal of Pharmacy and Pharmacology, 2010, 56, 339-350.	2.4	28
25	Estimation of Biliary Excretion of Foreign Compounds Using Properties of Molecular Structure. AAPS Journal, 2014, 16, 65-78.	4.4	28
26	Coping with Unbalanced Class Data Sets in Oral Absorption Models. Journal of Chemical Information and Modeling, 2013, 53, 461-474.	5.4	26
27	Testing of SNS-032 in a Panel of Human Neuroblastoma Cell Lines with Acquired Resistance to a Broad Range of Drugs. Translational Oncology, 2013, 6, 685-IN18.	3.7	25
28	Liqui-Pellet: the Emerging Next-Generation Oral Dosage Form Which Stems from Liquisolid Concept in Combination with Pelletization Technology. AAPS PharmSciTech, 2019, 20, 231.	3.3	24
29	Solubility of ketoconazole in N-methyl-2-pyrrolidone + water mixtures at Tâ€¯=â€¯(293.2 to 313.2) K. Journal of Molecular Liquids, 2019, 281, 150-155.	4.9	24
30	Pre-processing Feature Selection for Improved C&RT Models for Oral Absorption. Journal of Chemical Information and Modeling, 2013, 53, 2730-2742.	5.4	21
31	Karanjin interferes with ABCB1, ABCC1, and ABCG2. Journal of Pharmacy and Pharmaceutical Sciences, 2014, 17, 92.	2.1	21
32	Predicting volume of distribution with decision tree-based regression methods using predicted tissue:plasma partition coefficients. Journal of Cheminformatics, 2015, 7, 6.	6.1	21
33	Optimising the release rate of naproxen liqui-pellet: a new technology for emerging novel oral dosage form. Drug Delivery and Translational Research, 2020, 10, 43-58.	5.8	21
34	Critical Role of the Maternal Immune System in the Pathogenesis of Autism Spectrum Disorder. Biomedicines, 2020, 8, 557.	3.2	21
35	Solubility prediction of pharmaceuticals in dioxane+water mixtures at various temperatures: Effects of different descriptors and feature selection methods. Journal of Molecular Liquids, 2014, 195, 125-131.	4.9	19
36	Solubility Prediction of Paracetamol in Water-Ethanol-Propylene Glycol Mixtures at 25 and 30 .DEG.C Using Practical Approaches. Chemical and Pharmaceutical Bulletin, 2008, 56, 602-606.	1.3	17

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37	Investigation of water vapour sorption mechanism of starch-based pharmaceutical excipients. Carbohydrate Polymers, 2020, 238, 116208.	10.2	17
38	Differential Effects of the Oncogenic BRAF Inhibitor PLX4032 (Vemurafenib) and its Progenitor PLX4720 on ABCB1 Function. Journal of Pharmacy and Pharmaceutical Sciences, 2014, 17, 154.	2.1	13
39	Comparing Multilabel Classification Methods for Provisional Biopharmaceutics Class Prediction. Molecular Pharmaceutics, 2015, 12, 87-102.	4.6	13
40	The Effect of Variable Selection on the Non-linear Modelling of Oestrogen Receptor Binding. QSAR and Combinatorial Science, 2006, 25, 824-835.	1.4	12
41	Estimation of drug solubility in water, PEG 400 and their binary mixtures using the molecular structures of solutes. European Journal of Pharmaceutical Sciences, 2010, 40, 430-440.	4.0	12
42	QSAR and molecular docking for the search of AOX inhibitors: a rational drug discovery approach. Journal of Computer-Aided Molecular Design, 2021, 35, 245-260.	2.9	12
43	Measurement and mathematical modeling of ketoconazole solubility in propylene glycolâ€¯+â€¯water mixtures at various temperatures. Journal of Molecular Liquids, 2019, 291, 111246.	4.9	11
44	Enzastaurin inhibits ABCB1-mediated drug efflux independently of effects on protein kinase C signalling and the cellular p53 status. Oncotarget, 2015, 6, 17605-17620.	1.8	11
45	The impact of training set data distributions for modelling of passive intestinal absorption. International Journal of Pharmaceutics, 2012, 436, 711-720.	5.2	10
46	Solubility of caffeine in N-methyl-2-pyrrolidone + ethanol mixture at different temperatures. Journal of Molecular Liquids, 2020, 300, 112354.	4.9	10
47	Solubility of sildenafil citrate in the binary mixtures of ethylene glycol and water at different temperatures. Journal of Molecular Liquids, 2020, 299, 112127.	4.9	10
48	Prediction of benzodiazepines solubility using different cosolvency models. Il Farmaco, 2002, 57, 555-557.	0.9	9
49	QSPR Modeling using Catalan Solvent and Solute Parameters. Journal of the Brazilian Chemical Society, 2011, 22, 684-692.	0.6	9
50	Solubility of 7-Chloro-2-methylamino-5-phenyl-3H-1,4-benzodiazepine-4-oxide, 7-Chloro-1,3-dihydro-1-methyl-5-phenyl-2H-1,4-benzodiazepin-2-one, and 7-Chloro-5-(2-chlorophenyl)-3-hydroxy-1,3-dihydro-1,4-benzodiazepin-2-one in (Propane-1,2-diol + Water) at a Temperature of 303.2 K. Journal of Chemical & Engineering Data, 2010, 55, 539-542.	1.9	8
51	Theoretical modeling of oral absorption of barbiturates. Il Farmaco, 2002, 57, 565-567.	0.9	7
52	The use of molecular electrostatic potentials as hydrogen-bonding-donor parameters for QSAR studies. Il Farmaco, 2004, 59, 473-479.	0.9	7
53	Surfactants as Penetration Enhancers for Dermal and Transdermal Drug Delivery. , 2015, , 207-230.		7
54	Simultaneous Prediction of four ATPâ€binding Cassette Transportersâ€™ Substrates Using Multiâ€label QSAR. Molecular Informatics, 2016, 35, 514-528.	2.5	7

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55	Liquisolid System and Liqui-Mass System Are Not the Same. AAPS PharmSciTech, 2020, 21, 105.	3.3	7
56	Substrate-specific effects of pirinixic acid derivatives on ABCB1-mediated drug transport. Oncotarget, 2016, 7, 11664-11676.	1.8	7
57	Solubility Study of Acetylsalicylic Acid in Ethanol + Water Mixtures: Measurement, Mathematical Modeling, and Stability Discussion. AAPS PharmSciTech, 2022, 23, 42.	3.3	5
58	Comparison of electrotopological-state indices versus atomic charge and superdelocalisability indices in a QSAR study of the receptor binding properties of halogenated estradiol derivatives. Molecular Diversity, 2004, 8, 343-355.	3.9	3
59	Solubility prediction of clonazepam in aqueous mixtures of ethanol, polyethylene glycol 200 and propylene glycol at 30 Â°C. Journal of Drug Delivery Science and Technology, 2010, 20, 149-151.	3.0	2
60	Nanotechnology Tools for Efficient Antibacterial Delivery to Salmonella. , 2012, , .		2
61	Effect of OATP-binding on the prediction of biliary excretion. Xenobiotica, 2017, 47, 614-631.	1.1	1
62	The Endocrine Disrupting Activity of Pesticides. Outlooks on Pest Management, 2004, 15, 211-214.	0.2	0
63	Effect of Molecular Structure, Substrate and Docking Scores on the Prediction of the Inhibition Constants of P-glycoprotein Inhibitors. Journal of Drug Metabolism & Toxicology, 2016, 07, .	0.1	0