Sonali S Bharate

List of Publications by Year
in descending order

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49	1,434	236612	344852
papers	citations	25 h-index	36 g-index

51	51	51	1783
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Analysis of clinical trials on biomaterial and therapeutic applications of chitosan: A review. Carbohydrate Polymers, 2022, 278, 118999.	5.1	39
2	Recent developments in the management of Huntington's disease. Bioorganic Chemistry, 2022, 120, 105642.	2.0	11
3	Thermodynamic solubility determination of khellin in eight mono-solvents at the range of 298.15 to 323.15ÂK. Journal of Molecular Liquids, 2022, 351, 118637.	2.3	5
4	Phosphate moiety in FDAâ€approved pharmaceutical salts and prodrugs. Drug Development Research, 2022, 83, 1059-1074.	1.4	10
5	Recent developments in pharmaceutical salts: FDA approvals from 2015 to 2019. Drug Discovery Today, 2021, 26, 384-398.	3.2	55
6	Crocetin promotes clearance of amyloid-Î² by inducing autophagy via the STK11/LKB1-mediated AMPK pathway. Autophagy, 2021, 17, 3813-3832.	4.3	62
7	Critical Analysis of Drug Product Recalls due to Nitrosamine Impurities. Journal of Medicinal Chemistry, 2021, 64, 2923-2936.	2.9	78
8	Carboxylic Acid Counterions in FDA-Approved Pharmaceutical Salts. Pharmaceutical Research, 2021, 38, 1307-1326.	1.7	17
9	Quantitative Determination and Characterization of a Kashmir Saffron (Crocus sativus) Tj ETQq1 1 0.784314 rgBT /Overlock 1 and HPTLC Investigations. ACS Omega, 2021, 6, 23460-23474.	1.6	15
10	Modulation of biopharmaceutical properties of acidic drugs using cationic counterions: A critical analysis of FDA-approved pharmaceutical salts. International Journal of Pharmaceutics, 2021, 607, 120993.	2.6	12
11	Identification of plant-based multitargeted leads for Alzheimer's disease: In-vitro and in-vivo validation of Woodfordia fruticosa (L.) Kurz. Phytomedicine, 2021, 91, 153659.	2.3	6
12	Modulation of biopharmaceutical properties of drugs using sulfonate counterions: A critical analysis of FDA-approved pharmaceutical salts. Journal of Drug Delivery Science and Technology, 2021, 66, 102913.	1.4	4
13	Enhancing Biopharmaceutical Attributes of Khellin by Amorphous Binary Solid Dispersions. AAPS PharmSciTech, 2021, 22, 260.	1.5	8
14	Chemical analysis of saffron by HPLC based crocetin estimation. Journal of Pharmaceutical and Biomedical Analysis, 2020, 181, 113094.	1.4	25
15	Evaluation of rohitukine-enriched fraction of Dysoxylum binectariferum Hook.f. (leaves) as anti-arthritic phytopharmaceutical candidate: Chemical standardization, in-vivo validation, formulation development and oral pharmacokinetics. Journal of Ethnopharmacology, 2020, 254, 112758.	2.0	6
16	Binary and ternary solid dispersions of an anticancer preclinical lead, IIIM-290: In vitro and in vivo studies. International Journal of Pharmaceutics, 2019, 570, 118683.	2.6	25
17	Discovery and preclinical development of IIIM-160, a Bergenia ciliata-based anti-inflammatory and anti-arthritic botanical drug candidate. Journal of Integrative Medicine, 2019, 17, 192-204.	1.4	11
18	Impurity profiling of anticancer preclinical candidate, IIIM-290. Journal of Pharmaceutical and Biomedical Analysis, 2019, 166, 1-5.	1.4	6

#	Article	IF	Citations
19	Engineering solid dispersions of anticancer preclinical lead, IIIM-985: Physicochemical characterization and in vivo pharmacokinetics. Journal of Drug Delivery Science and Technology, 2019, 49, 594-602.	1.4	5
20	Discovery and Preclinical Development of IIIM-290, an Orally Active Potent Cyclin-Dependent Kinase Inhibitor. Journal of Medicinal Chemistry, 2018, 61, 1664-1687.	2.9	39
21	Orally Effective Aminoalkyl 10 H â€indolo[3,2â€•b]quinolineâ€1 1â€carboxamide Kills the Malaria Parasite by Inhibiting Host Hemoglobin Uptake. ChemMedChem, 2018, 13, 2581-2598.	1.6	11
22	Selection of a Water-Soluble Salt Form of a Preclinical Candidate, IIIM-290: Multiwell-Plate Salt Screening and Characterization. ACS Omega, 2018, 3, 8365-8377.	1.6	12
23	Why Are the Majority of Active Compounds in the CNS Domain Natural Products? A Critical Analysis. Journal of Medicinal Chemistry, 2018, 61, 10345-10374.	2.9	67
24	Preclinical Development of Crocus sativus-Based Botanical Lead IIIM-141 for Alzheimerâ€™s Disease: Chemical Standardization, Efficacy, Formulation Development, Pharmacokinetics, and Safety Pharmacology. ACS Omega, 2018, 3, 9572-9585.	1.6	26
25	Discovery and characterization of novel CYP1B1 inhibitors based on heterocyclic chalcones: Overcoming cisplatin resistance in CYP1B1-overexpressing lines. European Journal of Medicinal Chemistry, 2017, 129, 159-174.	2.6	41
26	Anti-inflammatory chromone alkaloids and glycoside from Dysoxylum binectariferum. Tetrahedron Letters, 2017, 58, 3974-3978.	0.7	32
27	Synthesis, pH dependent, plasma and enzymatic stability of bergenin prodrugs for potential use against rheumatoid arthritis. Bioorganic and Medicinal Chemistry, 2017, 25, 5513-5521.	1.4	25
28	Design of Novel 3-Pyrimidinylazaindole CDK2/9 Inhibitors with Potent In Vitro and In Vivo Antitumor Efficacy in a Triple-Negative Breast Cancer Model. Journal of Medicinal Chemistry, 2017, 60, 9470-9489.	2.9	39
29	Crocus sativus Extract Tightens the Blood-Brain Barrier, Reduces Amyloid Î² Load and Related Toxicity in 5XFAD Mice. ACS Chemical Neuroscience, 2017, 8, 1756-1766.	1.7	66
30	Antidiabetic potential of polyherbal formulation DB14201: Preclinical development, safety and efficacy studies. Journal of Ethnopharmacology, 2017, 197, 218-230.	2.0	11
31	Design, synthesis and P-gp induction activity of aryl phosphonate esters: identification of tetraethyl-2-phenylethene-1,1-diyldiphosphonate as an orally bioavailable P-gp inducer. MedChemComm, 2016, 7, 1910-1915.	3.5	6
32	Discovery of 7-(Prolinol-N-yl)-2-phenylamino-thiazolo[5,4-d]pyrimidines as Novel Non-Nucleoside Partial Agonists for the A2A Adenosine Receptor: Prediction from Molecular Modeling. Journal of Medicinal Chemistry, 2016, 59, 5922-5928.	2.9	23
33	Modulating lipophilicity of rohitukine via prodrug approach: Preparation, characterization, and in vitro enzymatic hydrolysis in biorelevant media. European Journal of Pharmaceutical Sciences, 2016, 92, 203-211.	1.9	19
34	6-Aryl substituted 4-(4-cyanomethyl) phenylamino quinazolines as a new class of isoform-selective PI3K-alpha inhibitors. European Journal of Medicinal Chemistry, 2016, 122, 731-743.	2.6	39
35	A chromatography-free isolation of rohitukine from leaves of Dysoxylum binectariferum: Evaluation for in vitro cytotoxicity, Cdk inhibition and physicochemical properties. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 3457-3463.	1.0	31
36	Discovery of a marine-derived bis-indole alkaloid fascaplysin, as a new class of potent P-glycoprotein inducer and establishment of its structureâ€“activity relationship. European Journal of Medicinal Chemistry, 2016, 107, 1-11.	2.6	66

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37	Determining Partition Coefficient (Log P), Distribution Coefficient (Log D) and Ionization Constant (pKa) in Early Drug Discovery. Combinatorial Chemistry and High Throughput Screening, 2016, 19, 461-469.	0.6	48
38	Thermodynamic equilibrium solubility measurements in simulated fluids by 96-well plate method in early drug discovery. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 1561-1567.	1.0	34
39	Colchicine derivatives with potent anticancer activity and reduced P-glycoprotein induction liability. Organic and Biomolecular Chemistry, 2015, 13, 5674-5689.	1.5	30
40	Nitrofuranyl Methyl Piperazines as New Anti-TB Agents: Identification, Validation, Medicinal Chemistry, and PK Studies. ACS Medicinal Chemistry Letters, 2015, 6, 1041-1046.	1.3	33
41	Synthesis and Biological Evaluation of Polar Functionalities Containing Nitrodihydroimidazooxazoles as Anti-TB Agents. ACS Medicinal Chemistry Letters, 2015, 6, 1059-1064.	1.3	12
42	Trifluoroacetic acid catalyzed thiophenylmethylation and thioalkylmethylation of lactams and phenols via domino three-component reaction in water. RSC Advances, 2014, 4, 14081-14088.	1.7	6
43	Non-enzymatic browning in citrus juice: chemical markers, their detection and ways to improve product quality. Journal of Food Science and Technology, 2014, 51, 2271-2288.	1.4	101
44	Biphenyl-4-carboxylic Acid [2-(1H-Indol-3-yl)-ethyl]-methylamide (CA224), a Nonplanar Analogue of Fascaplysin, Inhibits Cdk4 and Tubulin Polymerization: Evaluation of in Vitro and in Vivo Anticancer Activity. Journal of Medicinal Chemistry, 2014, 57, 9658-9672.	2.9	32
45	Pyrano-isochromanones as IL-6 Inhibitors: Synthesis, in Vitro and in Vivo Antiarthritic Activity. Journal of Medicinal Chemistry, 2014, 57, 7085-7097.	2.9	39
46	Synthesis and anti-proliferative activities of new derivatives of embelin. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 4865-4870.	1.0	28
47	Impact of preformulation on drug development. Expert Opinion on Drug Delivery, 2013, 10, 1239-1257.	2.4	37
48	Modulation of Thermoreceptor TRPM8 by Cooling Compounds. ACS Chemical Neuroscience, 2012, 3, 248-267.	1.7	81
49	Analytical Methods for Furanochromone Natural Product, Khellin and Its Inspired Drug Candidates, Amiodarone and Sodium Cromoglycate. Critical Reviews in Analytical Chemistry, 0, , 1-16.	1.8	0