Bhabatosh Chaudhuri

List of Publications by Year in Descending Order

43 papers	1,376 citations	19 h-index	37 g-index
46 ext. papers	1,490 ext. citations	4.4 avg, IF	4.08 L-index

#	Paper	IF	Citations
43	FK506-binding protein 2 (FKBP13) inhibit Bax-induced apoptosis in Saccharomyces cerevisiae (yeast). *Cell Biology and Toxicology*, **2021**, 1	7.4	
42	Apoptosis, Induced by Human Synuclein in Yeast, Can Occur Independent of Functional Mitochondria. *Cells*, **2020**, 9,	7.9	2
41	The effect of copy number on Synuclein's toxicity and its protective role in Bax-induced apoptosis, in yeast. *Bioscience Reports*, **2020**, 40,	4.1	4
40	Conversion of amino acids to aryl/heteroaryl ethanol metabolites using human CYP2D6-expressing live baker's yeast. *RSC Medicinal Chemistry*, **2020**, 11, 142-147	3.5	
39	Identification of proteins involved in transcription/translation (eEF 1A1) as an inhibitor of Bax induced apoptosis. *Molecular Biology Reports*, **2020**, 47, 6785-6792	2.8	3
38	Sensing the Generation of Intracellular Free Electrons Using the Inactive Catalytic Subunit of Cytochrome P450s as a Sink. *Sensors*, **2020**, 20,	3.8	4
37	CYP enzymes, expressed within live human suspension cells, are superior to widely-used microsomal enzymes in identifying potent CYP1A1/CYP1B1 inhibitors: Identification of quinazolinones as CYP1A1/CYP1B1 inhibitors that efficiently reverse B[a]P toxicity and cisplatin resistance. *European Journal of Pharmaceutical Sciences*, **2019**, 131, 177-194	5.1	7
36	Production of Yeast Derived Microsomal Human CYP450 Enzymes (Sacchrosomes) in High Yields, and Activities Superior to Commercially Available Microsomal Enzymes **2019**, 323-346		1
35	Aegeline, a natural product from the plant Aegle marmelos, mimics the yeast SNARE protein Sec22p in suppressing Synuclein and Bax toxicity in yeast. *Bioorganic and Medicinal Chemistry Letters*, **2019**, 29, 454-460	2.9	8
34	Radicicol rescues yeast cell death triggered by expression of human Synuclein and its A53T mutant, but not by human A4 peptide and proapoptotic protein bax. *Bioorganic Chemistry*, **2019**, 85, 152-158	5.1	2
33	Cink4T, a quinazolinone-based dual inhibitor of Cdk4 and tubulin polymerization, identified via ligand-based virtual screening, for efficient anticancer therapy. *European Journal of Medicinal Chemistry*, **2019**, 165, 115-132	6.8	17
32	Inhibitors of A2-induced endoplasmic reticular unfolded protein response (UPR), in yeast, also rescue yeast cells from A2-mediated apoptosis. *European Journal of Pharmaceutical Sciences*, **2019**, 128, 118-127	5.1	
31	Identification of karanjin isolated from the Indian beech tree as a potent CYP1 enzyme inhibitor with cellular efficacy screening of a natural product repository. *MedChemComm*, **2018**, 9, 371-382	5	10
30	Biotransformation, Using Recombinant CYP450-Expressing Baker's Yeast Cells, Identifies a Novel CYP2D6.10 Variant Which Is a Superior Metabolizer of Codeine to Morphine Than the Wild-Type Enzyme. *ACS Omega*, **2018**, 3, 8903-8912	3.9	7
29	Khellinoflavanone, a Semisynthetic Derivative of Khellin, Overcomes Benzo[]pyrene Toxicity in Human Normal and Cancer Cells That Express CYP1A1. *ACS Omega*, **2018**, 3, 8553-8566	3.9	9
28	Furanoflavones pongapin and lanceolatin B blocks the cell cycle and induce senescence in CYP1A1-overexpressing breast cancer cells. *Bioorganic and Medicinal Chemistry*, **2018**, 26, 6076-6086	3.4	10
27	Nonantioxidant Tetramethoxystilbene Abrogates Synuclein-Induced Yeast Cell Death but Not That Triggered by the Bax or A4 Peptide. *ACS Omega*, **2018**, 3, 9513-9532	3.9	11

26	Quinazoline derivatives as selective CYP1B1 inhibitors. *European Journal of Medicinal Chemistry*, **2017**, 130, 320-327	6.8	27
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	6.8	30
24	Identification of Potent and Selective CYP1A1 Inhibitors via Combined Ligand and Structure-Based Virtual Screening and Their in Vitro Validation in Sacchrosomes and Live Human Cells. *Journal of Chemical Information and Modeling*, **2017**, 57, 1309-1320	6.1	24
23	Biotransformation of Chrysin to Baicalein: Selective C6-Hydroxylation of 5,7-Dihydroxyflavone Using Whole Yeast Cells Stably Expressing Human CYP1A1 Enzyme. *Journal of Agricultural and Food Chemistry*, **2017**, 65, 7440-7446	5.7	12
22	Glycyrrhiza glabra extract and quercetin reverses cisplatin resistance in triple-negative MDA-MB-468 breast cancer cells via inhibition of cytochrome P450 1B1 enzyme. *Bioorganic and Medicinal Chemistry Letters*, **2017**, 27, 5400-5403	2.9	22
21	(E)-3-(3,4,5-Trimethoxyphenyl)-1-(pyridin-4-yl)prop-2-en-1-one, a heterocyclic chalcone is a potent and selective CYP1A1 inhibitor and cancer chemopreventive agent. *Bioorganic and Medicinal Chemistry Letters*, **2017**, 27, 5409-5414	2.9	11
20	Synthesis and biological evaluation of pyrrole-based chalcones as CYP1 enzyme inhibitors, for possible prevention of cancer and overcoming cisplatin resistance. *Bioorganic and Medicinal Chemistry Letters*, **2017**, 27, 3683-3687	2.9	23
19	Biphenyl urea derivatives as selective CYP1B1 inhibitors. *Organic and Biomolecular Chemistry*, **2016**, 14, 8931-8936	3.9	17
18	Antioxidant and antiproliferative activity of indigocarpan, a pterocarpan from Indigofera aspalathoides. *Journal of Pharmacy and Pharmacology*, **2016**, 68, 1331-9	4.8	9
17	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, 9658-72	8.3	26
16	Fascaplysin-inspired diindolyls as selective inhibitors of CDK4/cyclin D1. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 6073-84	3.4	33
15	Design, synthesis and biological evaluation of new tryptamine and tetrahydro-beta-carboline-based selective inhibitors of CDK4. *Bioorganic and Medicinal Chemistry*, **2008**, 16, 7728-39	3.4	49
14	Design, synthesis and biological activity of new CDK4-specific inhibitors, based on fascaplysin. *Organic and Biomolecular Chemistry*, **2006**, 4, 787-801	3.9	39
13	CA224, a non-planar analogue of fascaplysin, inhibits Cdk4 but not Cdk2 and arrests cells at G0/G1 inhibiting pRB phosphorylation. *Bioorganic and Medicinal Chemistry Letters*, **2006**, 16, 4272-8	2.9	22
12	Inhibition of cancer cell growth by cyclin dependent kinase 4 inhibitors synthesized based on the structure of fascaplysin. *Bioorganic Chemistry*, **2006**, 34, 287-97	5.1	16
11	New fascaplysin-based CDK4-specific inhibitors: design, synthesis and biological activity. *Chemical Communications*, **2004**, 1696-7	5.8	23
10	DNA binding properties of the marine sponge pigment fascaplysin. *Bioorganic and Medicinal Chemistry*, **2001**, 9, 917-21	3.4	67
9	Selective in vivo and in vitro effects of a small molecule inhibitor of cyclin-dependent kinase 4. *Journal of the National Cancer Institute*, **2001**, 93, 436-46	9.7	91

8	Inhibition of cyclin-dependent kinase 4 (Cdk4) by fascaplysin, a marine natural product. *Biochemical and Biophysical Research Communications*, **2000**, 275, 877-84	3.4	142
7	Investigation of bax-induced release of cytochrome c from yeast mitochondria permeability of mitochondrial membranes, role of VDAC and ATP requirement. *FEBS Journal*, **1999**, 260, 684-91		108
6	A selection system for human apoptosis inhibitors using yeast. *Yeast*, **1999**, 15, 1307-21	3.4	32
5	Role of the C-terminal domain of Bax and Bcl-XL in their localization and function in yeast cells. *FEBS Letters*, **1999**, 443, 225-8	3.8	40
4	DNA binding protein dbpA binds Cdk5 and inhibits its activity. *FEBS Letters*, **1999**, 446, 343-50	3.8	16
3	Under respiratory growth conditions, Bcl-x(L) and Bcl-2 are unable to overcome yeast cell death triggered by a mutant Bax protein lacking the membrane anchor. *FEBS Journal*, **1998**, 258, 19-28		13
2	Release of cytochrome c and decrease of cytochrome c oxidase in Bax-expressing yeast cells, and prevention of these effects by coexpression of Bcl-xL. *FEBS Letters*, **1997**, 415, 29-32	3.8	237
1	Role of mitochondria and C-terminal membrane anchor of Bcl-2 in Bax induced growth arrest and mortality in Saccharomyces cerevisiae. *FEBS Letters*, **1996**, 380, 169-75	3.8	152