Bhabatosh Chaudhuri

List of Publications by Year
in descending order

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43 papers	1,667 citations	331259 21 h-index	276539 41 g-index
46 all docs	46 docs citations	46 times ranked	1609 citing authors

#	Article	IF	Citations
1	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.	1.3	274
2	Role of mitochondria and C-terminal membrane anchor of Bcl-2 in Bax induced growth arrest and mortality inSaccharomyces cerevisiae. FEBS Letters, 1996, 380, 169-175.	1.3	172
3	Inhibition of Cyclin-Dependent Kinase 4 (Cdk4) by Fascaplysin, a Marine Natural Product. Biochemical and Biophysical Research Communications, 2000, 275, 877-884.	1.0	163
4	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, 684-691.	0.2	122
5	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, 436-446.	3.0	100
6	DNA binding properties of the marine sponge pigment fascaplysin. Bioorganic and Medicinal Chemistry, 2001, 9, 917-921.	1.4	74
7	Design, synthesis and biological evaluation of new tryptamine and tetrahydro-Î²-carboline-based selective inhibitors of CDK4. Bioorganic and Medicinal Chemistry, 2008, 16, 7728-7739.	1.4	55
8	Role of the C-terminal domain of Bax and Bcl-xLin their localization and function in yeast cells. FEBS Letters, 1999, 443, 225-228.	1.3	44
9	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.	1.0	43
10	Design, synthesis and biological activity of new CDK4-specific inhibitors, based on fascaplysin. Organic and Biomolecular Chemistry, 2006, 4, 787.	1.5	42
11	Fascaplysin-inspired diindolyls as selective inhibitors of CDK4/cyclin D1. Bioorganic and Medicinal Chemistry, 2009, 17, 6073-6084.	1.4	41
12	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
13	Quinazoline derivatives as selective CYP1B1 inhibitors. European Journal of Medicinal Chemistry, 2017, 130, 320-327.	2.6	37
14	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.	2.5	36
15	A selection system for human apoptosis inhibitors using yeast. Yeast, 1999, 15, 1307-1321.	0.8	34
16	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.	1.0	34
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, 9658-9672.	2.9	32
18	New fascaplysin-based CDK4-specific inhibitors: design, synthesis and biological activity. Chemical Communications, 2004, , 1696-1697.	2.2	29

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19	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.	2.6	28
20	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, 4272-4278.	1.0	27
21	DNA binding protein dbpA binds Cdk5 and inhibits its activity. FEBS Letters, 1999, 446, 343-350.	1.3	26
22	Biphenyl urea derivatives as selective CYP1B1 inhibitors. Organic and Biomolecular Chemistry, 2016, 14, 8931-8936.	1.5	21
23	Inhibition of cancer cell growth by cyclin dependent kinase 4 inhibitors synthesized based on the structure of fascaplysin. Bioorganic Chemistry, 2006, 34, 287-297.	2.0	18
24	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.	0.2	16
25	Identification of karanjin isolated from the Indian beech tree as a potent CYP1 enzyme inhibitor with cellular efficacy via screening of a natural product repository. MedChemComm, 2018, 9, 371-382.	3.5	16
26	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.	1.4	14
27	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.	2.4	13
28	(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.	1.0	13
29	Nonantioxidant Tetramethoxystilbene Abrogates Î±-Synuclein-Induced Yeast Cell Death but Not That Triggered by the Bax or Î²A4 Peptide. ACS Omega, 2018, 3, 9513-9532.	1.6	13
30	Aegeline, a natural product from the plant Aegle marmelos, mimics the yeast SNARE protein Sec22p in suppressing Î±-synuclein and Bax toxicity in yeast. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 454-460.	1.0	13
31	Biotransformation, Using Recombinant CYP450-Expressing Bakerâ€™s Yeast Cells, Identifies a Novel CYP2D6.10^{A122V} Variant Which Is a Superior Metabolizer of Codeine to Morphine Than the Wild-Type Enzyme. ACS Omega, 2018, 3, 8903-8912.	1.6	12
32	Khellinoflavanone, a Semisynthetic Derivative of Khellin, Overcomes Benzo[a]pyrene Toxicity in Human Normal and Cancer Cells That Express CYP1A1. ACS Omega, 2018, 3, 8553-8566.	1.6	12
33	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.	1.9	11
34	Antioxidant and antiproliferative activity of indigocarpan, a pterocarpan from Indigofera aspalathoides. Journal of Pharmacy and Pharmacology, 2016, 68, 1331-1339.	1.2	10
35	Sensing the Generation of Intracellular Free Electrons Using the Inactive Catalytic Subunit of Cytochrome P450s as a Sink. Sensors, 2020, 20, 4050.	2.1	7
36	The effect of copy number on Î±-synucleinâ€™s toxicity and its protective role in Bax-induced apoptosis, in yeast. Bioscience Reports, 2020, 40, .	1.1	7

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37	Radicicol rescues yeast cell death triggered by expression of human Î±-synuclein and its A53T mutant, but not by human Î²A4 peptide and proapoptotic protein bax. Bioorganic Chemistry, 2019, 85, 152-158.	2.0	4
38	Apoptosis, Induced by Human Î±-Synuclein in Yeast, Can Occur Independent of Functional Mitochondria. Cells, 2020, 9, 2203.	1.8	4
39	Identification of proteins involved in transcription/translation (eEF 1A1) as an inhibitor of Bax induced apoptosis. Molecular Biology Reports, 2020, 47, 6785-6792.	1.0	3
40	Human VAMP3 Suppresses or Negatively Regulates Bax Induced Apoptosis in Yeast. Biomedicines, 2021, 9, 95.	1.4	3
41	Inhibitors of AÎ²42-induced endoplasmic reticular unfolded protein response (UPRER), in yeast, also rescue yeast cells from AÎ²42-mediated apoptosis. European Journal of Pharmaceutical Sciences, 2019, 128, 118-127.	1.9	1
42	FK506-binding protein 2 (FKBP13) inhibit Bax-induced apoptosis in Saccharomyces cerevisiae (yeast). Cell Biology and Toxicology, 2023, 39, 719-728.	2.4	1
43	Conversion of amino acids to aryl/heteroaryl ethanol metabolites using human CYP2D6-expressing live baker's yeast. RSC Medicinal Chemistry, 2020, 11, 142-147.	1.7	0