

# Vibha Tandon

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/548915/publications.pdf>

Version: 2024-02-01

61  
papers

1,822  
citations

304743

22  
h-index

276875

41  
g-index

62  
all docs

62  
docs citations

62  
times ranked

2636  
citing authors

#	ARTICLE	IF	CITATIONS
1	Moonlighting proteins: beacon of hope in era of drug resistance in bacteria. <i>Critical Reviews in Microbiology</i> , 2023, 49, 57-81.	6.1	3
2	Synthesis and Biological Evaluation of Novel 1 <i>H</i> -Benzo[ <i>d</i> ]imidazole Derivatives as Potential Anticancer Agents Targeting Human Topoisomerase I. <i>ACS Omega</i> , 2022, 7, 2861-2880.	3.5	3
3	Development of Azaindole-Based Frameworks as Potential Antiviral Agents and Their Future Perspectives. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 6454-6495.	6.4	13
4	Strategic Advances in Sequential <i>C</i> -Arylations of Heteroarenes. <i>Journal of Organic Chemistry</i> , 2021, 86, 1330-1356.	3.2	18
5	Recent approaches to the synthesis of tetrahydrocarbazoles. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 1926-1939.	2.8	24
6	Current Insights and Advancements in Head and Neck Cancer: Emerging Biomarkers and Therapeutics with Cues from Single Cell and 3D Model Omics Profiling. <i>Frontiers in Oncology</i> , 2021, 11, 676948.	2.8	5
7	Prochlorperazine enhances radiosensitivity of non-small cell lung carcinoma by stabilizing GDP-bound mutant KRAS conformation. <i>Free Radical Biology and Medicine</i> , 2021, 177, 299-312.	2.9	9
8	Cu(II)-catalyzed sulfonylation of 7-azaindoles using DABSO as SO <sub>2</sub> -Source and its mechanistic study. <i>Tetrahedron</i> , 2020, 76, 131337.	1.9	8
9	Protecting-Group-Directed Diastereoselective Synthesis of Substituted Tetrahydropyrroloquinolines. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 2771-2780.	2.4	1
10	Oxygen-releasing manganese clay hybrid complex triggers p53-mediated cancer cell death in hypoxia. <i>Biochemical Pharmacology</i> , 2020, 178, 114054.	4.4	1
11	Pd-Catalyzed Sequential Arylation of 7-Azaindoles: Aggregate-Induced Emission of Tetra-Aryl 7-Azaindoles. <i>Journal of Organic Chemistry</i> , 2019, 84, 14015-14029.	3.2	16
12	PPEF: A bisbenzimidazole potent antimicrobial agent interacts at acidic triad of catalytic domain of E. coli topoisomerase IA. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 1524-1535.	2.4	6
13	Interaction of HIV-1 integrase with polypyrimidine tract binding protein and associated splicing factor (PSF) and its impact on HIV-1 replication. <i>Retrovirology</i> , 2019, 16, 12.	2.0	9
14	Benzimidazoles: Selective Inhibitors of Topoisomerase I with Differential Modes of Action. <i>Biochemistry</i> , 2019, 58, 809-817.	2.5	14
15	Synthesis of 3,6-diaryl-1 <i>H</i> -pyrazolo[3,4- <i>b</i> ]pyridines via one-pot sequential Suzuki-Miyaura coupling. <i>RSC Advances</i> , 2018, 8, 34883-34894.	3.6	7
16	Synergistic efficacy of Bisbenzimidazole and Carbonyl Cyanide 3-Chlorophenylhydrazone combination against MDR bacterial strains. <i>Scientific Reports</i> , 2017, 7, 44419.	3.3	16
17	Akt1/NF $\kappa$ B signaling pathway activation by a small molecule DMA confers radioprotection to intestinal epithelium in xenograft model. <i>Free Radical Biology and Medicine</i> , 2017, 108, 564-574.	2.9	10
18	Naphthalenediimide-Linked Bisbenzimidazole Derivatives as Telomeric G-Quadruplex-Stabilizing Ligands with Improved Anticancer Activity. <i>ACS Omega</i> , 2017, 2, 966-980.	3.5	19

#	ARTICLE	IF	CITATIONS
19	Facile access to functionalized indenes and fused quinolines by regioselective 5-endo-dig Michael addition and cyclization reactions. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 9319-9330.	2.8	4
20	Novel pyrazolo[3,4-d]pyrimidine with 4-(1H-benzimidazol-2-yl)-phenylamine as broad spectrum anticancer agents: Synthesis, cell based assay, topoisomerase inhibition, DNA intercalation and bovine serum albumin studies. <i>European Journal of Medicinal Chemistry</i> , 2017, 126, 24-35.	5.5	47
21	Topoisomerases: Resistance versus Sensitivity, How Far We Can Go?. <i>Medicinal Research Reviews</i> , 2017, 37, 404-438.	10.5	22
22	Radioprotective Agents: Strategies and Translational Advances. <i>Medicinal Research Reviews</i> , 2016, 36, 461-493.	10.5	102
23	Regioselective synthesis of functionalized dihydroisoquinolines from o-alkynylarylaldimines via the Reformatsky reaction. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 9896-9906.	2.8	13
24	Design, synthesis, cytotoxicity, HuTopoII $\pm$ inhibitory activity and molecular docking studies of pyrazole derivatives as potential anticancer agents. <i>Bioorganic Chemistry</i> , 2016, 69, 77-90.	4.1	66
25	Novel Dioxolan Derivatives of Indole as HIV-1 Integrase Strand Transfer Inhibitors Active Against RAL Resistant Mutant Virus. <i>ChemistrySelect</i> , 2016, 1, 5471-5478.	1.5	3
26	Design, synthesis and biological evaluation of di-substituted noscapine analogs as potent and microtubule-targeted anticancer agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 2133-2140.	2.2	11
27	Design, Synthesis, and Biological Evaluation of 1,2-Dihydroisoquinolines as HIV-1 Integrase Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2015, 6, 1065-1070.	2.8	28
28	Preclinical Evaluation of DMA, a Bisbenzimidazole, as Radioprotector: Toxicity, Pharmacokinetics, and Biodistribution Studies in Balb/c Mice. <i>Molecular Pharmacology</i> , 2015, 88, 768-778.	2.3	9
29	An expedient approach to 1,2-dihydroisoquinoline derivatives via cobalt catalysed 6-endo dig cyclization followed by Mannich condensation of o-alkynylarylaldimines. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 1000-1007.	2.8	15
30	HupB, a Nucleoid-Associated Protein of Mycobacterium tuberculosis, Is Modified by Serine/Threonine Protein Kinases <i>In Vivo</i> . <i>Journal of Bacteriology</i> , 2014, 196, 2646-2657.	2.2	63
31	Synthesis and Biological Evaluation of Novel Bisbenzimidazoles as <i>Escherichia coli</i> Topoisomerase IA Inhibitors and Potential Antibacterial Agents. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 5238-5257.	6.4	69
32	Enterohepatic recirculation of bioactive ginger phytochemicals is associated with enhanced tumor growth-inhibitory activity of ginger extract. <i>Carcinogenesis</i> , 2014, 35, 1320-1329.	2.8	45
33	Novel third-generation water-soluble noscapine analogs as superior microtubule-interfering agents with enhanced antiproliferative activity. <i>Biochemical Pharmacology</i> , 2014, 92, 192-205.	4.4	19
34	Influence of PNA containing 8-aza-7-deazaadenine on structure stability and binding affinity of PNA-DNA duplex: insights from thermodynamics, counter ion, hydration and molecular dynamics analysis. <i>Molecular BioSystems</i> , 2013, 9, 1958.	2.9	8
35	Bi and tri-substituted phenyl rings containing bisbenzimidazoles bind differentially with DNA duplexes: a biophysical and molecular simulation study. <i>Molecular BioSystems</i> , 2013, 9, 2541.	2.9	6
36	3,4-Dimethoxyphenyl Bis-benzimidazole Derivative, Mitigates Radiation-Induced DNA Damage. <i>Radiation Research</i> , 2013, 179, 647.	1.5	5

#	ARTICLE	IF	CITATIONS
37	3,4-Dimethoxyphenyl bis-benzimidazole, a novel DNA topoisomerase inhibitor that preferentially targets Escherichia coli topoisomerase I. Journal of Antimicrobial Chemotherapy, 2012, 67, 2882-2891.	3.0	33
38	DMA, a Bisbenzimidazole, Offers Radioprotection by Promoting NF $\kappa$ B Transactivation through NIK/IKK in Human Glioma Cells. PLoS ONE, 2012, 7, e39426.	2.5	7
39	Inhibition of 5 $\hat{a}$ €²-UTR RNA Conformational Switching in HIV-1 Using Antisense PNAs. PLoS ONE, 2012, 7, e49310.	2.5	5
40	Inhibition of HIV-1 Integrase gene expression by 10-23 DNAzyme. Journal of Biosciences, 2012, 37, 493-502.	1.1	20
41	Contribution of mutations in DNA gyrase and topoisomerase IV genes to ciprofloxacin resistance in Escherichia coli clinical isolates. International Journal of Antimicrobial Agents, 2011, 37, 253-255.	2.5	58
42	Synthesis and biological activity of novel inhibitors of topoisomerase I: 2-Aryl-substituted 2-bis-1H-benzimidazoles. European Journal of Medicinal Chemistry, 2011, 46, 659-669.	5.5	73
43	Insulinotropic effect of cinnamaldehyde on transcriptional regulation of pyruvate kinase, phosphoenolpyruvate carboxykinase, and GLUT4 translocation in experimental diabetic rats. Chemico-Biological Interactions, 2010, 186, 72-81.	4.0	150
44	Old class but new dimethoxy analogue of benzimidazole: a bacterial topoisomerase I inhibitor. International Journal of Antimicrobial Agents, 2010, 35, 186-190.	2.5	19
45	Forkhead-associated Domain-containing Protein Rv0019c and Polyketide-associated Protein PapA5, from Substrates of Serine/Threonine Protein Kinase PknB to Interacting Proteins of Mycobacterium tuberculosis. Journal of Biological Chemistry, 2009, 284, 34723-34734.	3.4	55
46	A Copper $\hat{a}$ €Catalyzed Tandem Synthesis of Indolo $\hat{a}$ €and Pyrrolo[2,1 $\hat{a}$ €<i>a</i>]isoquinolines. Angewandte Chemie - International Edition, 2009, 48, 1138-1143.	13.8	202
47	In vivo evaluation of anti-oxidant and anti-lipidimic potential of Annona squamosa aqueous extract in Type 2 diabetic models. Journal of Ethnopharmacology, 2008, 118, 21-25.	4.1	44
48	Antidiabetic activity of 50% ethanolic extract of Ricinus communis and its purified fractions. Food and Chemical Toxicology, 2008, 46, 3458-3466.	3.6	111
49	Nuclear condensation and free radical scavenging: a dual mechanism of bisbenzimidazoles to modulate radiation damage to DNA. Molecular and Cellular Biochemistry, 2007, 305, 221-233.	3.1	17
50	Triple helix stabilization by covalently linked DNA $\hat{a}$ €bisbenzimidazole conjugate synthesized by maleimide $\hat{a}$ €thiol coupling chemistry. Bioorganic and Medicinal Chemistry, 2006, 14, 6444-6452.	3.0	10
51	Synthesis and in vitro cytotoxicity of haloderivatives of noscapine. Bioorganic and Medicinal Chemistry, 2006, 14, 6733-6736.	3.0	40
52	Synthesis and evaluation of bifunctional chelating agents derived from bis(2-aminophenylthio)alkane for radioimaging with 99mTc. Bioorganic and Medicinal Chemistry, 2005, 13, 4713-4720.	3.0	20
53	Nutritional and Hypoglycemic Effect of Fruit Pulp of <i>Annona squamosa</i> in Normal Healthy and Alloxan-Induced Diabetic Rabbits. Annals of Nutrition and Metabolism, 2005, 49, 407-413.	1.9	49
54	99mTc-tetraethylenepentamine-folate a new 99mTc based folate derivative for the detection of folate receptor positive tumors: Synthesis and biological evaluation. Cancer Biology and Therapy, 2004, 3, 995-1001.	3.4	19

#	ARTICLE	IF	CITATIONS
55	Nuclear Localization and in Situ DNA Damage by Mycobacterium tuberculosis Nucleoside-diphosphate Kinase. Journal of Biological Chemistry, 2004, 279, 50142-50149.	3.4	27
56	IBX in an ionic liquid: eco-friendly oxidation of 17 $\beta$ -methylandrostan-3 $\alpha$ ,17 $\beta$ -diol, an intermediate in the synthesis of anabolic oxandrolone. Tetrahedron Letters, 2004, 45, 7585-7588.	1.4	28
57	KF-Alumina Immobilized in Ionic Liquids: A Novel Heterogeneous Base for Heterocyclization of Alkylsulfanylphenylamines into 1,4-Benzothiazine. Heterocycles, 2004, 63, 1057.	0.7	26
58	Efficient Oxidizing Methods for the Synthesis of Oxandrolone Intermediates. Chemical and Pharmaceutical Bulletin, 2004, 52, 989-991.	1.3	8
59	Acid induced unfolding of anthrax protective antigen. Biochemical and Biophysical Research Communications, 2003, 311, 229-232.	2.1	11
60	Influence of Phenyl Ring Disubstitution on Bisbenzimidazole and Terbenzimidazole Cytotoxicity: Synthesis and Biological Evaluation as Radioprotectors. Journal of Medicinal Chemistry, 2003, 46, 3785-3792.	6.4	53
61	Conformational fluctuations in anthrax protective antigen: a possible role of calcium in the folding pathway of the protein. FEBS Letters, 2003, 554, 505-510.	2.8	19