

Vibha Tandon

List of Publications by Year in descending order

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61
papers

1,822
citations

304743

22
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276875

41
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62
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62
docs citations

62
times ranked

2636
citing authors

#	ARTICLE	IF	CITATIONS
1	A Copper-Catalyzed Tandem Synthesis of Indolo- and Pyrrolo[2,1- <i>a</i>]isoquinolines. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1138-1143.	13.8	202
2	Insulinotropic effect of cinnamaldehyde on transcriptional regulation of pyruvate kinase, phosphoenolpyruvate carboxykinase, and GLUT4 translocation in experimental diabetic rats. <i>Chemo-Biological Interactions</i> , 2010, 186, 72-81.	4.0	150
3	Antidiabetic activity of 50% ethanolic extract of <i>Ricinus communis</i> and its purified fractions. <i>Food and Chemical Toxicology</i> , 2008, 46, 3458-3466.	3.6	111
4	Radioprotective Agents: Strategies and Translational Advances. <i>Medicinal Research Reviews</i> , 2016, 36, 461-493.	10.5	102
5	Synthesis and biological activity of novel inhibitors of topoisomerase I: 2-Aryl-substituted 2-bis-1H-benzimidazoles. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 659-669.	5.5	73
6	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
7	Design, synthesis, cytotoxicity, HuTopoII α inhibitory activity and molecular docking studies of pyrazole derivatives as potential anticancer agents. <i>Bioorganic Chemistry</i> , 2016, 69, 77-90.	4.1	66
8	HupB, a Nucleoid-Associated Protein of <i>Mycobacterium tuberculosis</i> , Is Modified by Serine/Threonine Protein Kinases <i>In Vivo</i> . <i>Journal of Bacteriology</i> , 2014, 196, 2646-2657.	2.2	63
9	Contribution of mutations in DNA gyrase and topoisomerase IV genes to ciprofloxacin resistance in <i>Escherichia coli</i> clinical isolates. <i>International Journal of Antimicrobial Agents</i> , 2011, 37, 253-255.	2.5	58
10	Forkhead-associated Domain-containing Protein Rv0019c and Polyketide-associated Protein PapA5, from Substrates of Serine/Threonine Protein Kinase PknB to Interacting Proteins of <i>Mycobacterium tuberculosis</i> . <i>Journal of Biological Chemistry</i> , 2009, 284, 34723-34734.	3.4	55
11	Influence of Phenyl Ring Disubstitution on Bisbenzimidazole and Terbenzimidazole Cytotoxicity: Synthesis and Biological Evaluation as Radioprotectors. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 3785-3792.	6.4	53
12	Nutritional and Hypoglycemic Effect of Fruit Pulp of <i>Annona squamosa</i> in Normal Healthy and Alloxan-Induced Diabetic Rabbits. <i>Annals of Nutrition and Metabolism</i> , 2005, 49, 407-413.	1.9	49
13	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
14	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
15	In vivo evaluation of anti-oxidant and anti-lipidemic potential of <i>Annona squamosa</i> aqueous extract in Type 2 diabetic models. <i>Journal of Ethnopharmacology</i> , 2008, 118, 21-25.	4.1	44
16	Synthesis and in vitro cytotoxicity of haloderivatives of noscapine. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 6733-6736.	3.0	40
17	3,4-Dimethoxyphenyl bis-benzimidazole, a novel DNA topoisomerase inhibitor that preferentially targets <i>Escherichia coli</i> topoisomerase I. <i>Journal of Antimicrobial Chemotherapy</i> , 2012, 67, 2882-2891.	3.0	33
18	IBX in an ionic liquid: eco-friendly oxidation of 17 β -methylandrostan-3 β ,17 β -diol, an intermediate in the synthesis of anabolic oxandrolone. <i>Tetrahedron Letters</i> , 2004, 45, 7585-7588.	1.4	28

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19	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
20	Nuclear Localization and in Situ DNA Damage by <i>Mycobacterium tuberculosis</i> Nucleoside-diphosphate Kinase. <i>Journal of Biological Chemistry</i> , 2004, 279, 50142-50149.	3.4	27
21	KF-Alumina Immobilized in Ionic Liquids: A Novel Heterogeneous Base for Heterocyclization of Alkylsulfanylphenylamines into 1,4-Benzothiazine. <i>Heterocycles</i> , 2004, 63, 1057.	0.7	26
22	Recent approaches to the synthesis of tetrahydrocarbazoles. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 1926-1939.	2.8	24
23	Topoisomerases: Resistance versus Sensitivity, How Far We Can Go?. <i>Medicinal Research Reviews</i> , 2017, 37, 404-438.	10.5	22
24	Synthesis and evaluation of bifunctional chelating agents derived from bis(2-aminophenylthio)alkane for radioimaging with ^{99m} Tc. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 4713-4720.	3.0	20
25	Inhibition of HIV-1 Integrase gene expression by 10-23 DNAzyme. <i>Journal of Biosciences</i> , 2012, 37, 493-502.	1.1	20
26	Conformational fluctuations in anthrax protective antigen: a possible role of calcium in the folding pathway of the protein. <i>FEBS Letters</i> , 2003, 554, 505-510.	2.8	19
27	^{99m} Tc-tetraethylenepentamine-folate a new ^{99m} Tc based folate derivative for the detection of folate receptor positive tumors: Synthesis and biological evaluation. <i>Cancer Biology and Therapy</i> , 2004, 3, 995-1001.	3.4	19
28	Old class but new dimethoxy analogue of benzimidazole: a bacterial topoisomerase I inhibitor. <i>International Journal of Antimicrobial Agents</i> , 2010, 35, 186-190.	2.5	19
29	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
30	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
31	Strategic Advances in Sequential C-Arylations of Heteroarenes. <i>Journal of Organic Chemistry</i> , 2021, 86, 1330-1356.	3.2	18
32	Nuclear condensation and free radical scavenging: a dual mechanism of bisbenzimidazoles to modulate radiation damage to DNA. <i>Molecular and Cellular Biochemistry</i> , 2007, 305, 221-233.	3.1	17
33	Synergistic efficacy of Bisbenzimidazole and Carbonyl Cyanide 3-Chlorophenylhydrazone combination against MDR bacterial strains. <i>Scientific Reports</i> , 2017, 7, 44419.	3.3	16
34	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
35	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
36	Benzimidazoles: Selective Inhibitors of Topoisomerase I with Differential Modes of Action. <i>Biochemistry</i> , 2019, 58, 809-817.	2.5	14

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37	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
38	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
39	Acid induced unfolding of anthrax protective antigen. <i>Biochemical and Biophysical Research Communications</i> , 2003, 311, 229-232.	2.1	11
40	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
41	Triple helix stabilization by covalently linked DNA-bisbenzimidazole conjugate synthesized by maleimide-thiol coupling chemistry. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 6444-6452.	3.0	10
42	Akt1/NF κ 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
43	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
44	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
45	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
46	Efficient Oxidizing Methods for the Synthesis of Oxandrolone Intermediates. <i>Chemical and Pharmaceutical Bulletin</i> , 2004, 52, 989-991.	1.3	8
47	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
48	Cu(II)-catalyzed sulfonylation of 7-azaindoles using DABSO as SO ₂ -Source and its mechanistic study. <i>Tetrahedron</i> , 2020, 76, 131337.	1.9	8
49	DMA, a Bisbenzimidazole, Offers Radioprotection by Promoting NF κ B Transactivation through NIK/IKK in Human Glioma Cells. <i>PLoS ONE</i> , 2012, 7, e39426.	2.5	7
50	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
51	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
52	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
53	Inhibition of 5' UTR RNA Conformational Switching in HIV-1 Using Antisense PNAs. <i>PLoS ONE</i> , 2012, 7, e49310.	2.5	5
54	3,4-Dimethoxyphenyl Bis-benzimidazole Derivative, Mitigates Radiation-Induced DNA Damage. <i>Radiation Research</i> , 2013, 179, 647.	1.5	5

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55	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
56	Facile access to functionalized indenes and fused quinolines by regioselective 5-enolexo-dig Michael addition and cyclization reactions. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 9319-9330.	2.8	4
57	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
58	Synthesis and Biological Evaluation of Novel 1-H-Benzo[d]imidazole Derivatives as Potential Anticancer Agents Targeting Human Topoisomerase I. <i>ACS Omega</i> , 2022, 7, 2861-2880.	3.5	3
59	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
60	Protecting-Group-Directed Diastereoselective Synthesis of Substituted Tetrahydropyrroloquinolines. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 2771-2780.	2.4	1
61	Oxygen-releasing manganese clay hybrid complex triggers p53-mediated cancer cell death in hypoxia. <i>Biochemical Pharmacology</i> , 2020, 178, 114054.	4.4	1