

# Sudhir Sinha

## List of Publications by Citations

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98  
papers

2,827  
citations

31  
h-index

49  
g-index

108  
ext. papers

3,034  
ext. citations

3.7  
avg, IF

4.52  
L-index

#	Paper	IF	Citations
98	Synthesis and in vitro evaluation of novel coumarin-chalcone hybrids as potential anticancer agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2010</b> , 20, 7205-11	2.9	207
97	Thiophene containing triarylmethanes as antitubercular agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2008</b> , 18, 289-92	2.9	158
96	Synthesis and antitubercular screening of imidazole derivatives. <i>European Journal of Medicinal Chemistry</i> , <b>2009</b> , 44, 3350-5	6.8	109
95	Application of Huisgen (3+2) cycloaddition reaction: synthesis of 1-(2,3-dihydrobenzofuran-2-yl-methyl [1,2,3]-triazoles and their antitubercular evaluations. <i>European Journal of Medicinal Chemistry</i> , <b>2010</b> , 45, 142-8	6.8	101
94	Immunogenic membrane-associated proteins of Mycobacterium tuberculosis revealed by proteomics. <i>Microbiology (United Kingdom)</i> , <b>2005</b> , 151, 2411-2419	2.9	92
93	Proteomic approach for identification and characterization of novel immunostimulatory proteins from soluble antigens of Leishmania donovani promastigotes. <i>Proteomics</i> , <b>2007</b> , 7, 816-23	4.8	89
92	Natural product inspired diversity oriented synthesis of tetrahydroquinoline scaffolds as antitubercular agent. <i>ACS Combinatorial Science</i> , <b>2011</b> , 13, 65-71	3.9	85
91	Evaluation of Mycobacterium smegmatis as a possible surrogate screen for selecting molecules active against multi-drug resistant Mycobacterium tuberculosis. <i>Journal of General and Applied Microbiology</i> , <b>2007</b> , 53, 333-7	1.5	79
90	Preparation and reactions of sugar azides with alkynes: synthesis of sugar triazoles as antitubercular agents. <i>Carbohydrate Research</i> , <b>2008</b> , 343, 1153-62	2.9	78
89	Chloropyrimidines as a new class of antimicrobial agents. <i>Bioorganic and Medicinal Chemistry</i> , <b>2002</b> , 10, 869-74	3.4	72
88	Synthesis of glycosylated beta-amino acids as new class of antitubercular agents. <i>European Journal of Medicinal Chemistry</i> , <b>2002</b> , 37, 773-81	6.8	70
87	Effect of substituents on diarylmethanes for antitubercular activity. <i>European Journal of Medicinal Chemistry</i> , <b>2007</b> , 42, 410-9	6.8	59
86	Synthesis and cytotoxicity evaluation of (tetrahydro-beta-carboline)-1,3,5-triazine hybrids as anticancer agents. <i>European Journal of Medicinal Chemistry</i> , <b>2010</b> , 45, 2265-76	6.8	58
85	C-3 alkyl/arylalkyl-2,3-dideoxy hex-2-enopyranosides as antitubercular agents: synthesis, biological evaluation, and QSAR study. <i>Journal of Medicinal Chemistry</i> , <b>2007</b> , 50, 2942-50	8.3	55
84	Cassane diterpenes from Caesalpinia bonduc. <i>Phytochemistry</i> , <b>2009</b> , 70, 256-61	4	53
83	Antiproliferative action of Xylopiia aethiopica fruit extract on human cervical cancer cells. <i>Phytotherapy Research</i> , <b>2011</b> , 25, 1558-63	6.7	47
82	Discovery of new 1,3,5-triazine scaffolds with potent activity against Mycobacterium tuberculosis H37Rv. <i>European Journal of Medicinal Chemistry</i> , <b>2010</b> , 45, 3335-45	6.8	45

81	Synthesis and biological evaluation of 4-thiazolidinone derivatives as potential antimycobacterial agents. <i>Arkivoc</i> , <b>2005</b> , 2005, 120-130	0.9	44
80	Anti-tumour activity of a novel coumarin-chalcone hybrid is mediated through intrinsic apoptotic pathway by inducing PUMA and altering Bax/Bcl-2 ratio. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , <b>2014</b> , 19, 1017-28	5.4	43
79	Syntheses of novel antimycobacterial combinatorial libraries of structurally diverse substituted pyrimidines by three-component solid-phase reactions. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2002</b> , 12, 667-9	2.9	43
78	Proteome analysis of the plasma membrane of Mycobacterium tuberculosis. <i>Comparative and Functional Genomics</i> , <b>2002</b> , 3, 470-83		42
77	A facile synthesis of alpha,alphaS(EE)-bis(benzylidene)-cycloalkanones and their antitubercular evaluations. <i>European Journal of Medicinal Chemistry</i> , <b>2009</b> , 44, 1705-9	6.8	40
76	Selective reactivity of 2-mercaptoethanol with 5beta,6beta-epoxide in steroids from Withania somnifera. <i>Steroids</i> , <b>2008</b> , 73, 245-51	2.8	39
75	Synthesis of galactopyranosyl amino alcohols as a new class of antitubercular and antifungal agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2004</b> , 14, 329-32	2.9	36
74	Design, synthesis and antitubercular activity of diarylmethylnaphthol derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2007</b> , 17, 5586-9	2.9	35
73	A serological test for leprosy based on competitive inhibition of monoclonal antibody binding to the MY2a determinant of Mycobacterium leprae. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , <b>1983</b> , 77, 869-71	2	34
72	Novel, potent, orally bioavailable and selective mycobacterial ATP synthase inhibitors that demonstrated activity against both replicating and non-replicating M. tuberculosis. <i>Bioorganic and Medicinal Chemistry</i> , <b>2015</b> , 23, 742-52	3.4	33
71	Cytotoxic clerodane diterpenoids from the leaves of Polyalthia longifolia. <i>Natural Product Research</i> , <b>2010</b> , 24, 1687-94	2.3	33
70	Synthesis and antimycobacterial activities of glycosylated amino alcohols and amines. <i>European Journal of Medicinal Chemistry</i> , <b>2005</b> , 40, 351-60	6.8	33
69	Search of antitubercular activities in tetrahydroacridines: synthesis and biological evaluation. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2006</b> , 16, 5144-7	2.9	32
68	Synthesis and antitubercular activities of bis-glycosylated diamino alcohols. <i>Bioorganic and Medicinal Chemistry</i> , <b>2005</b> , 13, 5668-79	3.4	32
67	Knowledge based identification of potent antitubercular compounds using structure based virtual screening and structure interaction fingerprints. <i>Journal of Chemical Information and Modeling</i> , <b>2009</b> , 49, 35-42	6.1	31
66	Low molecular weight proteins of outer membrane of Salmonella typhimurium are immunogenic in Salmonella induced reactive arthritis revealed by proteomics. <i>Clinical and Experimental Immunology</i> , <b>2007</b> , 148, 486-93	6.2	31
65	Baylis-Hillman reaction: convenient ascending syntheses and biological evaluation of acyclic deoxy monosaccharides as potential antimycobacterial agents. <i>Bioorganic and Medicinal Chemistry</i> , <b>2002</b> , 10, 3187-96	3.4	31
64	Naturally produced opsonizing antibodies restrict the survival of Mycobacterium tuberculosis in human macrophages by augmenting phagosome maturation. <i>Open Biology</i> , <b>2015</b> , 5, 150171	7	30

63	A small library of trisubstituted pyrimidines as antimalarial and antitubercular agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2005</b> , 15, 5218-21	2.9	30
62	Induction of Th1-type cellular responses in cured/exposed Leishmania-infected patients and hamsters against polyproteins of soluble Leishmania donovani promastigotes ranging from 89.9 to 97.1 kDa. <i>Vaccine</i> , <b>2008</b> , 26, 4813-8	4.1	29
61	Novel aryloxy azolyl chalcones with potent activity against Mycobacterium tuberculosis H37Rv. <i>European Journal of Medicinal Chemistry</i> , <b>2011</b> , 46, 4302-10	6.8	28
60	Synthesis, molecular modeling and bio-evaluation of cycloalkyl fused 2-aminopyrimidines as antitubercular and antidiabetic agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2011</b> , 21, 4404-8	2.9	27
59	Diastereoselective one-pot Wittig olefination-Michael addition and olefin cross metathesis strategy for total synthesis of cytotoxic natural product (+)-varitriol and its higher analogues. <i>Organic and Biomolecular Chemistry</i> , <b>2011</b> , 9, 7372-83	3.9	26
58	Microparticles induce variable levels of activation in macrophages infected with Mycobacterium tuberculosis. <i>Tuberculosis</i> , <b>2010</b> , 90, 188-96	2.6	25
57	Synthesis and antitubercular activity of substituted phenylmethyl- and pyridylmethyl amines. <i>Bioorganic and Medicinal Chemistry</i> , <b>2006</b> , 14, 8186-96	3.4	25
56	Synthesis and bio-evaluation of alkylaminoaryl phenyl cyclopropyl methanones as antitubercular and antimalarial agents. <i>Bioorganic and Medicinal Chemistry</i> , <b>2010</b> , 18, 8289-301	3.4	24
55	An efficient synthesis of aryloxyphenyl cyclopropyl methanones: a new class of anti-mycobacterial agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2005</b> , 15, 4526-30	2.9	24
54	Synthesis and antitubercular activity of 2-hydroxy-aminoalkyl derivatives of diaryloxy methano phenanthrenes. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2005</b> , 15, 5222-5	2.9	24
53	Urinary haptoglobin, alpha-1 anti-chymotrypsin and retinol binding protein identified by proteomics as potential biomarkers for lupus nephritis. <i>Clinical and Experimental Immunology</i> , <b>2017</b> , 188, 254-262	6.2	23
52	Melatonin Reverses Fas, E2F-1 and Endoplasmic Reticulum Stress Mediated Apoptosis and Dysregulation of Autophagy Induced by the Herbicide Atrazine in Murine Splenocytes. <i>PLoS ONE</i> , <b>2014</b> , 9, e108602	3.7	23
51	Stable Tricyclic Antitubercular Ozonides Derived from Artemisinin. <i>Organic Letters</i> , <b>2015</b> , 17, 4948-51	6.2	21
50	Staurosporine induces apoptosis in human papillomavirus positive oral cancer cells at G2/M phase by disrupting mitochondrial membrane potential and modulation of cell cytoskeleton. <i>Oral Oncology</i> , <b>2009</b> , 45, 974-9	4.4	20
49	Thiophene containing trisubstituted methanes [TRSMs] as identified lead against Mycobacterium tuberculosis. <i>European Journal of Medicinal Chemistry</i> , <b>2015</b> , 95, 357-68	6.8	19
48	Higher acyclic nitrogen containing deoxy sugar derivatives: a new lead in the generation of antimycobacterial chemotherapeutics. <i>Bioorganic and Medicinal Chemistry</i> , <b>2002</b> , 10, 1695-702	3.4	19
47	Solution-phase synthesis of a library of carbapeptide analogues based on glycosylamino acid scaffolds and their in silico screening and antimicrobial evaluation. <i>ACS Combinatorial Science</i> , <b>2009</b> , 11, 422-7		18
46	Comparative efficacy of biodegradable liposomes and microspheres as carriers for delivery of Vibrio cholerae antigens in the intestine. <i>Vaccine</i> , <b>1994</b> , 12, 1384-8	4.1	17

45	A comparative evaluation of serological assays for lepromatous leprosy. <i>Leprosy Review</i> , <b>1988</b> , 59, 195-90.6	17
44	Tetrahydrofuran amino acid-containing gramicidin S analogues with improved biological profiles. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 6789-802	3.9 16
43	Substituted hydrazinocarbothioamide as potent antitubercular agents: synthesis and quantitative structure-activity relationship (QSAR). <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2010</b> , 20, 2597-600	2.9 16
42	Fractionation of mycobacterial integral membrane proteins by continuous elution SDS-PAGE reveals the immunodominance of low molecular weight subunits for human T cells. <i>Clinical and Experimental Immunology</i> , <b>1997</b> , 109, 446-50	6.2 16
41	Solid support synthesis of 6-aryl-2-substituted pyrimidin-4-yl phenols as anti-infective agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2005</b> , 15, 4923-6	2.9 15
40	Stereoselective total synthesis of Jaspine B (Pachastrissamine) utilizing iodocyclization and an investigation of its cytotoxic activity. <i>Tetrahedron: Asymmetry</i> , <b>2013</b> , 24, 903-908	14
39	Synthesis and evaluation of antitubercular activity of glycosyl thio- and sulfonyl acetamide derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2008</b> , 18, 4002-5	2.9 14
38	Antigenic definition of plasma membrane proteins of Bacillus Calmette-Guérin: predominant activation of human T cells by low-molecular-mass integral proteins. <i>Scandinavian Journal of Immunology</i> , <b>1999</b> , 50, 411-9	3.4 14
37	Utility of serodiagnostic tests for leprosy: a study in an endemic population in South India. <i>Leprosy Review</i> , <b>2004</b> , 75, 266-273	0.6 14
36	Utility of serodiagnostic tests for leprosy: a study in an endemic population in South India. <i>Leprosy Review</i> , <b>2004</b> , 75, 266-73	0.6 14
35	A major T-cell-inducing cytosolic 23 kDa protein antigen of the vaccine candidate Mycobacterium habana is superoxide dismutase. <i>Microbiology (United Kingdom)</i> , <b>1996</b> , 142 ( Pt 6), 1375-1383	2.9 11
34	4-[10-(Methoxy-benzyl)-anthracen-9-yl]-phenol derivatives as new antitubercular agents. <i>Arkivoc</i> , <b>2005</b> , 2005, 29-45	0.9 11
33	Synthesis and anti-tubercular activity of conformationally-constrained and bisquinoline analogs of TMC207. <i>MedChemComm</i> , <b>2015</b> , 6, 1554-1563	5 10
32	Serological distinction of integral plasma membrane proteins as a class of mycobacterial antigens and their relevance for human T cell activation. <i>Clinical and Experimental Immunology</i> , <b>1995</b> , 102, 626-34	6.2 10
31	S-Enantiomer of the Antitubercular Compound S006-830 Complements Activity of Frontline TB Drugs and Targets Biogenesis of Cell Envelope. <i>ACS Omega</i> , <b>2017</b> , 2, 8453-8465	3.9 9
30	Determinants of natural immunity against tuberculosis in an endemic setting: factors operating at the level of macrophage-Mycobacterium tuberculosis interaction. <i>Clinical and Experimental Immunology</i> , <b>2008</b> , 151, 414-22	6.2 9
29	Regioselective synthesis of densely functionalized, enantiopure, sugar-pyrazole hybrids as potential scaffolds for drug discovery. <i>RSC Advances</i> , <b>2013</b> , 3, 4526	3.7 8
28	Search of antimycobacterial activities in hybrid molecules with benzopyran skeleton. <i>Medicinal Chemistry Research</i> , <b>2011</b> , 20, 1515-1522	2.2 8

27	Picroliv, the iridoid glycoside fraction of <i>Picrorhiza kurroa</i> , selectively augments human T cell response to mycobacterial protein antigens. <i>Immunopharmacology and Immunotoxicology</i> , <b>1998</b> , 20, 579-88	3.3	8
26	Detection of mycobacterial antigens in leprosy serum immune complex. <i>Journal of Clinical Microbiology</i> , <b>1986</b> , 24, 169-71	9.7	8
25	Urinary osteoprotegerin: a potential biomarker of lupus nephritis disease activity. <i>Lupus</i> , <b>2016</b> , 25, 1230-6	6.6	7
24	Synthesis and optimization of antitubercular activities in a series of 4-(aryloxy)phenyl cyclopropyl methanols. <i>European Journal of Medicinal Chemistry</i> , <b>2010</b> , 45, 5965-78	6.8	7
23	Specificity and function of immunogenic peptides from the 35-kilodalton protein of <i>Mycobacterium leprae</i> . <i>Infection and Immunity</i> , <b>1999</b> , 67, 1501-4	3.7	7
22	Association of mycobacterial-specific and <i>Mycobacterium leprae</i> specific antibody levels with clinical activity in tuberculoid leprosy: a comparative study of three serological enzyme-immunoassays. <i>Leprosy Review</i> , <b>1991</b> , 62, 122-33	0.6	6
21	Immune responses to <i>Mycobacterium tuberculosis</i> membrane-associated antigens including alpha crystallin can potentially discriminate between latent infection and active tuberculosis disease. <i>PLoS ONE</i> , <b>2020</b> , 15, e0228359	3.7	4
20	Prophylactic efficacy of high-molecular-weight antigenic fractions of a recent clinical isolate of <i>Leishmania donovani</i> against visceral leishmaniasis. <i>Scandinavian Journal of Immunology</i> , <b>2008</b> , 68, 492-501	5.4	4
19	Immunoreactive antigens of a candidate leprosy vaccine: <i>Mycobacterium habana</i> . <i>Leprosy Review</i> , <b>1995</b> , 66, 31-8	0.6	4
18	Suppression of Eis and expression of Wag31 and GroES in <i>Mycobacterium tuberculosis</i> cytosol under anaerobic culture conditions. <i>Indian Journal of Experimental Biology</i> , <b>2014</b> , 52, 773-80		4
17	Synthesis, Conformational Studies and Biological Profiles of Tetrahydrofuran Amino-Acid-Containing Cationic Antitubercular Peptides. <i>Asian Journal of Organic Chemistry</i> , <b>2017</b> , 6, 1240-1249	3	3
16	Inhibition of platelet aggregation by rat globin. <i>Thrombosis Research</i> , <b>2002</b> , 107, 201-7	8.2	3
15	Synergy between tuberculin skin test and proliferative T cell responses to PPD or cell-membrane antigens of <i>Mycobacterium tuberculosis</i> for detection of latent TB infection in a high disease-burden setting. <i>PLoS ONE</i> , <b>2018</b> , 13, e0204429	3.7	3
14	Additional synthesis on thiophene-containing trisubstituted methanes (TRSMs) as inhibitors of <i>M. tuberculosis</i> and 3D-QSAR studies. <i>SAR and QSAR in Environmental Research</i> , <b>2016</b> , 27, 911-937	3.5	2
13	Synthesis and Anti-tubercular Activities of Benzo[4,5]furo[2,3-c] Chromen -6-one Derivatives. <i>Anti-Infective Agents</i> , <b>2012</b> , 10, 6-14	0.6	2
12	Enhancement of human T cell response to a peptide epitope of 38 kDa antigen of <i>Mycobacterium tuberculosis</i> by liposomes. <i>Immunopharmacology and Immunotoxicology</i> , <b>2002</b> , 24, 255-63	3.2	2
11	Semi-quantitative detection of <i>Mycobacterium leprae</i> antigens in skin scrapings: suitability as a laboratory aid for field diagnosis of leprosy. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , <b>2007</b> , 101, 699-706	2	1
10	Coupling of proteins to liposomes and their role in understanding delayed type of hypersensitivity in human and mice. <i>Journal of Biosciences</i> , <b>1990</b> , 15, 235-238	2.3	1

9	Immunohistologic comparison between armadillo-derived leprosin and standard lepromin skin tests in leprosy patients. <i>International Archives of Allergy and Immunology</i> , <b>1987</b> , 82, 202-7	3.7	1
8	Patterns of T and B cell responses to Mycobacterium tuberculosis membrane-associated antigens and their relationship with disease activity in rheumatoid arthritis patients with latent tuberculosis infection. <i>PLoS ONE</i> , <b>2021</b> , 16, e0255639	3.7	0
7	Caution when standardizing serum antibody competition assays. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , <b>1990</b> , 84, 137-8		2
6	Immune responses to Mycobacterium tuberculosis membrane-associated antigens including alpha crystallin can potentially discriminate between latent infection and active tuberculosis disease <b>2020</b> , 15, e0228359		
5	Immune responses to Mycobacterium tuberculosis membrane-associated antigens including alpha crystallin can potentially discriminate between latent infection and active tuberculosis disease <b>2020</b> , 15, e0228359		
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1	Immune responses to Mycobacterium tuberculosis membrane-associated antigens including alpha crystallin can potentially discriminate between latent infection and active tuberculosis disease <b>2020</b> , 15, e0228359		