

Prem M S Chauhan

List of Publications by Year in descending order

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82
papers

3,565
citations

87888

38
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144013

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95
docs citations

95
times ranked

3983
citing authors

#	ARTICLE	IF	CITATIONS
1	Present Trends and Future Strategy in Chemotherapy of Malaria. <i>Current Medicinal Chemistry</i> , 2001, 8, 1535-1542.	2.4	161
2	Cyanuric Chloride Catalyzed Mild Protocol for Synthesis of Biologically Active Dihydro/Spiro Quinazolinones and Quinazolinone-glycoconjugates. <i>Journal of Organic Chemistry</i> , 2012, 77, 929-937.	3.2	134
3	Dihydropyrido[2,3-d]pyrimidines as a new class of antileishmanial agents. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 6678-6684.	3.0	133
4	Synthesis of 2,4,6-trisubstituted pyrimidines as antimalarial agents. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 4645-4650.	3.0	130
5	Discovery of a New Class of Natural Product-Inspired Quinazolinone Hybrid as Potent Antileishmanial agents. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 4374-4392.	6.4	120
6	Syntheses of 2,4,6-trisubstituted triazines as antimalarial agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 531-533.	2.2	112
7	Synthesis of substituted indole derivatives as a new class of antimalarial agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 3133-3136.	2.2	89
8	Skeletal Diverse Synthesis of N-Fused Polycyclic Heterocycles via the Sequence of Ugi-Type MCR and CuI-Catalyzed Coupling/Tandem Pictet-Spengler Reaction. <i>Journal of Organic Chemistry</i> , 2012, 77, 1414-1421.	3.2	86
9	Substituted quinolinyl chalcones and quinolinyl pyrimidines as a new class of anti-infective agents. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 2081-2091.	5.5	85
10	A Ligand-Free Pd-Catalyzed Cascade Reaction: An Access to the Highly Diverse Isoquinolin-1(2 <i>H</i>)-one Derivatives via Isocyanide and Ugi-MCR Synthesized Amide Precursors. <i>Organic Letters</i> , 2012, 14, 3126-3129.	4.6	81
11	Synthesis and bioevaluation of hybrid 4-aminoquinoline triazines as a new class of antimalarial agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 6530-6533.	2.2	77
12	Synthesis of 2,4,6-trisubstituted pyrimidine and triazine heterocycles as antileishmanial agents. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 7706-7715.	3.0	76
13	Synthesis of novel thiourea, thiazolidinedione and thioparabanic acid derivatives of 4-aminoquinoline as potent antimalarials. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 2570-2573.	2.2	75
14	Synthesis of 2-[3-(7-Chloro-quinolin-4-ylamino)-alkyl]-1-(substituted) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (phenyl)-2,3,4,9-tetra <i>Medicinal Chemistry Letters</i> , 2008, 18, 3306-3309.	2.2	72
15	Synthesis of new 4-aminoquinolines and quinoline-acridine hybrids as antimalarial agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 7059-7063.	2.2	69
16	Synthesis and cytotoxicity evaluation of (tetrahydro-1 ² -carboline)-1,3,5-triazine hybrids as anticancer agents. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 2265-2276.	5.5	67
17	4-Anilinoquinoline triazines: A novel class of hybrid antimalarial agents. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 676-690.	5.5	66
18	Synthesis of oxalamide and triazine derivatives as a novel class of hybrid 4-aminoquinoline with potent antiplasmodial activity. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 6451-6462.	3.0	62

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19	Synthesis of 9-anilinoacridine triazines as new class of hybrid antimalarial agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 6996-6999.	2.2	62
20	Discovery of Novel Antileishmanial Agents in an Attempt to Synthesize Pentamidine ⁺ Aplysinopsin Hybrid Molecule. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 5793-5802.	6.4	62
21	Synthesis and bioevaluation of novel 4-aminoquinoline-tetrazole derivatives as potent antimalarial agents. <i>European Journal of Medicinal Chemistry</i> , 2013, 66, 69-81.	5.5	61
22	Potent 1,3-Disubstituted-9H-pyrido[3,4-b]indoles as New Lead Compounds in Antifilarial Chemotherapy. <i>Journal of Medicinal Chemistry</i> , 1999, 42, 1667-1672.	6.4	56
23	Discovery of new 1,3,5-triazine scaffolds with potent activity against <i>Mycobacterium tuberculosis</i> H37Rv. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 3335-3345.	5.5	53
24	Synthesis and biological evaluation of new [1,2,4]triazino[5,6-b]indol-3-ylthio-1,3,5-triazines and [1,2,4]triazino[5,6-b]indol-3-ylthio-pyrimidines against <i>Leishmania donovani</i> . <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 2359-2365.	5.5	53
25	Synthesis of novel β -carboline based chalcones with high cytotoxic activity against breast cancer cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 2820-2824.	2.2	53
26	Syntheses of novel antimycobacterial combinatorial libraries of structurally diverse substituted pyrimidines by three-component solid-phase reactions. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 667-669.	2.2	51
27	Synthesis of 2-[3,5-substituted pyrazol-1-yl]-4,6-trisubstituted triazine derivatives as antimalarial agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 4957-4960.	2.2	49
28	Synthesis and antileishmanial activity of novel 2,4,6-trisubstituted pyrimidines and 1,3,5-triazines. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 2473-2481.	5.5	48
29	Syntheses of a new substituted triazino tetrahydroisoquinolines and β -carbolines as novel antileishmanial agents. <i>European Journal of Medicinal Chemistry</i> , 2006, 41, 106-113.	5.5	47
30	Synthesis of marine alkaloid: 8,9-Dihydrocoscinaamide B and its analogues as Novel class of antileishmanial agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 4075-4079.	2.2	47
31	Discovery of a new class of dithiocarbamates and rhodanine scaffolds as potent antifungal agents: synthesis, biology and molecular docking. <i>MedChemComm</i> , 2012, 3, 1104.	3.4	47
32	Synthesis and biological evaluation of a new class of 4-aminoquinoline ⁺ rhodanine hybrid as potent anti-infective agents. <i>European Journal of Medicinal Chemistry</i> , 2013, 62, 693-704.	5.5	47
33	Synthesis of hybrid 4-anilinoquinoline triazines as potent antimalarial agents, their in silico modeling and bioevaluation as <i>Plasmodium falciparum</i> transketolase and β -hematin inhibitors. <i>MedChemComm</i> , 2012, 3, 71-79.	3.4	43
34	Quinolones: A Novel Probes in Antifilarial Chemotherapy. <i>Journal of Medicinal Chemistry</i> , 2000, 43, 2275-2279.	6.4	42
35	Antimalarial activity and synthesis of new trisubstituted pyrimidines. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 3130-3132.	2.2	41
36	Triazino indole ⁺ quinoline hybrid: A novel approach to antileishmanial agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 298-301.	2.2	40

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37	Potent 1,3-disubstituted-9H-pyrido[3,4-b]indoles as new lead compounds in antifilarial chemotherapy. <i>CDRI Communication No. 5795.1. Bioorganic and Medicinal Chemistry</i> , 1999, 7, 1223-1236.	3.0	39
38	Convenient Dimethylamino Amination in Heterocycles and Aromatics with Dimethylformamide. <i>Synthetic Communications</i> , 2004, 34, 2925-2930.	2.1	39
39	Synthesis of 4-pyrido-6-aryl-2-substituted amino pyrimidines as a new class of antimalarial agents. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 6226-6232.	3.0	38
40	Syntheses of novel heterocycles as anticancer agents. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 3513-3518.	3.0	37
41	Antimalarial activity of 2,4,6-trisubstituted pyrimidines. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 1881-1883.	2.2	37
42	A small library of trisubstituted pyrimidines as antimalarial and antitubercular agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 5218-5221.	2.2	36
43	Recent advances in the design and synthesis of heterocycles as anti-tubercular agents. <i>Future Medicinal Chemistry</i> , 2010, 2, 1469-1500.	2.3	36
44	Synthesis of 2-(pyrimidin-2-yl)-1-phenyl-2,3,4,9-tetrahydro-1H- β -carbolines as antileishmanial agents. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 3274-3280.	5.5	35
45	Novel β -carboline-quinazolinone hybrid as an inhibitor of <i>Leishmania donovani</i> trypanothione reductase: Synthesis, molecular docking and bioevaluation. <i>MedChemComm</i> , 2015, 6, 351-356.	3.4	34
46	Design and Synthesis of a New Class of 4-Aminoquinolinyl- and 9-Anilinoacridinyl Schiff Base Hydrazones as Potent Antimalarial Agents. <i>Chemical Biology and Drug Design</i> , 2014, 84, 175-181.	3.2	31
47	New class of methyl tetrazole based hybrid of (Z)-5-benzylidene-2-(piperazin-1-yl)thiazol-4(1H)-one as potent antitubercular agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 4166-4170.	2.2	31
48	A Greener Protocol for Accessing 2,3-Dihydro/spiroquinazolin-4(1H)-ones: Natural Acid-SDS Catalyzed Three-Component Reaction. <i>Synlett</i> , 2012, 23, 2209-2214.	1.8	30
49	Discovery of Triazine Mimetics As Potent Antileishmanial Agents. <i>ACS Medicinal Chemistry Letters</i> , 2013, 4, 1108-1113.	2.8	29
50	Facile synthesis of diverse isoindolinone derivatives via Ugi-4CR followed by Cu-catalyzed deamidative C(sp ²) \rightarrow C(sp ³) coupling. <i>Tetrahedron Letters</i> , 2013, 54, 1279-1284.	1.4	29
51	Synthesis of Perspicamide A and Related Diverse Analogues: Their Bioevaluation as Potent Antileishmanial Agents. <i>Journal of Organic Chemistry</i> , 2013, 78, 1534-1546.	3.2	29
52	Trioxaquinones: Hybrid molecules for the treatment of malaria. <i>Drug News and Perspectives</i> , 2010, 23, 632.	1.5	29
53	A one-pot chemoselective S-alkylation and acetylation of thiohydantoin using the alkyl orthoformate \rightarrow ZnCl ₂ \rightarrow Ac ₂ O reagent system. <i>Tetrahedron Letters</i> , 2008, 49, 5475-5479.	1.4	25
54	Access to Indole- And Pyrrole-Fused Diketopiperazines via Tandem Ugi-4CR/Intramolecular Cyclization and Its Regioselective Ring-Opening by Intermolecular Transamidation. <i>Journal of Organic Chemistry</i> , 2012, 77, 10211-10227.	3.2	25

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55	Investigation of Ugi-4CC derived 1H-tetrazol-5-yl-(aryl) methyl piperazinyl-6-fluoro-4-oxo-1,4-dihydroquinoline-3-carboxylic acid: Synthesis, Biology and 3D-QSAR analysis. <i>European Journal of Medicinal Chemistry</i> , 2014, 78, 442-454.	5.5	25
56	An insight into tetrahydro- $\hat{1}^2$ -carboline $\hat{2}$ tetrazole hybrids: synthesis and bioevaluation as potent antileishmanial agents. <i>MedChemComm</i> , 2017, 8, 1824-1834.	3.4	25
57	A multicomponent reaction efficiently producing arylmethylene 2-thiohydantoin. <i>Tetrahedron Letters</i> , 2006, 47, 5863-5866.	1.4	23
58	First Report on the Abnormal Dearylation/Alkylation Reaction in One $\hat{2}$ Pot Hantzsch Synthesis with 6 $\hat{2}$ Amino $\hat{2}$, 3 $\hat{2}$ Dimethyl Uracil. <i>Synthetic Communications</i> , 2004, 34, 4447-4461.	2.1	22
59	Diversity oriented synthesis of $\hat{1}^2$ -carbolinone and indolo-pyrazinone analogues based on an Ugi four component reaction and subsequent cyclisation of the resulting indole intermediate. <i>RSC Advances</i> , 2016, 6, 21165-21186.	3.6	22
60	Identification of a diverse indole-2-carboxamides as a potent antileishmanial chemotypes. <i>European Journal of Medicinal Chemistry</i> , 2016, 110, 237-245.	5.5	19
61	Synthesis and antibacterial evaluation of novel 8-fluoro Norfloxacin derivatives as potential probes for methicillin and vancomycin-resistant <i>Staphylococcus aureus</i> . <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 1232-1244.	5.5	18
62	Synthesis of biologically active pyridoimidazole/imidazobenzothiazole annulated polyheterocycles using cyanuric chloride in water. <i>RSC Advances</i> , 2014, 4, 26757-26770.	3.6	18
63	Synthesis and biological evaluation of indolyl glyoxylamides as a new class of antileishmanial agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 6191-6194.	2.2	17
64	Base mediated 7-exo-dig intramolecular cyclization of Ugi $\hat{2}$ propargyl precursors: a highly efficient and regioselective synthetic approach toward diverse 1,4-benzoxazepine-5(2H)-ones. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 5346-5350.	2.8	17
65	Dual targeting of MDM2 with a novel small-molecule inhibitor overcomes TRAIL resistance in cancer. <i>Carcinogenesis</i> , 2016, 37, 1027-1040.	2.8	17
66	Solid support synthesis of 6-aryl-2-substituted pyrimidin-4-yl phenols as anti-infective agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 4923-4926.	2.2	16
67	A natural product inspired hybrid approach towards the synthesis of novel pentamidine based scaffolds as potential anti-parasitic agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 291-296.	2.2	15
68	N-(7-Chloroquinolinyl-4-aminoalkyl)arylsulfonamides as antimalarial agents: rationale for the activity with reference to inhibition of hemozoin formation. <i>RSC Advances</i> , 2016, 6, 25584-25593.	3.6	14
69	gem -Dithioacetylated indole derivatives as novel antileishmanial agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 4643-4646.	2.2	14
70	Recent Developments in the Combinatorial Synthesis of Nitrogen Heterocycles Using Solid Phase Technology. <i>Combinatorial Chemistry and High Throughput Screening</i> , 1970, 4, 35-51.	1.1	12
71	Facile Synthesis of Pyrazolo[3,4 $\hat{2}$]pyrimidines and Pyrimido[4,5 $\hat{2}$]pyrimidin $\hat{2}$ Derivatives. <i>Synthetic Communications</i> , 2006, 36, 2963-2973.	2.1	12
72	Facile ligand-free Pd-catalyzed tandem C $\hat{2}$ -C $\hat{2}$ N coupling reaction: a novel access to highly diverse tetrazole tag isoindoline derivatives. <i>Tetrahedron Letters</i> , 2015, 56, 5401-5408.	1.4	11

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73	Diversity-oriented reconstruction of primitive diketopiperazine-fused tetrahydro- β -carboline ring systems via Pictet-Spengler/Ugi-4CR/deprotection-cyclization reactions. <i>RSC Advances</i> , 2015, 5, 102713-102722.	3.6	11
74	Ugi Four-Component Reaction with Tandem Deprotection, Cyclization and Pictet-Spengler Reaction: A Concise Route to N-Fused Polycyclic Indole-Diketopiperazine Alkaloid Analogues. <i>Synlett</i> , 2013, 24, 1291-1297.	1.8	10
75	A Simple and Efficient Microwave-Assisted Synthesis of Substituted Isoindolinone Derivatives via Ligand-Free Pd-Catalyzed Domino C-C/C-N Coupling Reaction. <i>Synlett</i> , 2013, 24, 645-651.	1.8	9
76	Potassium carbonate mediated unusual transformation of 2,3-dihydroquinazolinone via cascade reaction. <i>Tetrahedron Letters</i> , 2013, 54, 6171-6177.	1.4	8
77	2,4,6-Trisubstituted pyrimidine derivatives as pregnancy interceptive agents. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 1893-1899.	3.0	5
78	$\text{SnCl}_2 \cdot 2\text{H}_2\text{O}$: An Efficient Reagent for Selective and Direct Oxidative Desulfurization of Phenylmethylene-2-thiohydantoins to Corresponding Hydantoins. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2011, 186, 1404-1410.	1.6	5
79	Expedient Base-Mediated Desulfitative Dimethylamination, Oxidation, or Etherification of 2-(Methylsulfanyl)-3,5-dihydro-4H-imidazol-4-one Scaffolds. <i>Synthesis</i> , 2013, 45, 2405-2412.	2.3	5
80	Discovery of a tetrazolyl β -carboline with in vitro and in vivo osteoprotective activity under estrogen-deficient conditions. <i>MedChemComm</i> , 2018, 9, 1213-1225.	3.4	4
81	Copper-Mediated Intramolecular Oxidative α -Functionalization of Ugi Precursor: An Efficient Synthesis of Highly Functionalized 2H-Benzo[e][1,3]oxazin-4(3H)-one Derivatives. <i>ChemistrySelect</i> , 2020, 5, 6780-6785.	1.5	3
82	PPh ₃ Catalyzed Post-Transformation Ugi-4CR Intramolecular Cyclization Reaction: One-Pot Synthesis of Functionalized Spiropyrrolidinochromanones. <i>ChemistrySelect</i> , 2021, 6, 1216-1222.	1.5	1