

Diwan S Rawat

List of Publications by Year in descending order

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144
papers

4,686
citations

61984

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133252

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docs citations

169
times ranked

5433
citing authors

#	ARTICLE	IF	CITATIONS
1	A Role for Caveolae/Lipid Rafts in the Uptake and Recycling of the Endogenous Cannabinoid Anandamide. <i>Journal of Biological Chemistry</i> , 2004, 279, 41991-41997.	3.4	123
2	Novel 4-Aminoquinoline-Pyrimidine Based Hybrids with Improved in Vitro and in Vivo Antimalarial Activity. <i>ACS Medicinal Chemistry Letters</i> , 2012, 3, 555-559.	2.8	121
3	Antituberculosis Drug Research: A Critical Overview. <i>Medicinal Research Reviews</i> , 2013, 33, 693-764.	10.5	117
4	An overview of new antitubercular drugs, drug candidates, and their targets. <i>Medicinal Research Reviews</i> , 2020, 40, 263-292.	10.5	114
5	Clinical Status of Anti-Cancer Agents Derived from Marine Sources. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2008, 8, 603-617.	1.7	111
6	Synthesis and antioxidant activity of thymol and carvacrol based Schiff bases. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 641-645.	2.2	109
7	Synthesis of 4-Aminoquinoline-1,2,3-triazole and 4-Aminoquinoline-1,2,3-triazole-1,3,5-triazine Hybrids as Potential Antimalarial Agents. <i>Chemical Biology and Drug Design</i> , 2011, 78, 124-136.	3.2	98
8	Nitrilase and Its Application as a "Green"™ Catalyst. <i>Chemistry and Biodiversity</i> , 2006, 3, 1279-1287.	2.1	93
9	RGO/ZnO Nanocomposite: An Efficient, Sustainable, Heterogeneous, Amphiphilic Catalyst for Synthesis of 3-Substituted Indoles in Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 9-18.	6.7	84
10	Synthesis of novel 1,2,3-triazole derivatives of isoniazid and their in Vitro and in Vivo antimycobacterial activity evaluation. <i>European Journal of Medicinal Chemistry</i> , 2014, 81, 301-313.	5.5	83
11	Synthesis, antimalarial activity and cytotoxicity of 4-aminoquinoline-triazine conjugates. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 322-325.	2.2	82
12	Interaction studies of novel cell selective antimicrobial peptides with model membranes and E. coli ATCC 11775. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 1864-1875.	2.6	80
13	Metal-Ligand Charge-Transfer-Promoted Photoelectronic Bergman Cyclization of Copper Metalloenediynes: A Photochemical DNA Cleavage via C-H Atom Abstraction. <i>Journal of the American Chemical Society</i> , 2003, 125, 6434-6446.	13.7	74
14	4-Aminoquinoline-Pyrimidine hybrids: Synthesis, antimalarial activity, heme binding and docking studies. <i>European Journal of Medicinal Chemistry</i> , 2015, 89, 490-502.	5.5	72
15	Zeolite supported Brønsted-acid ionic liquids: an eco approach for synthesis of spiro[indole-pyrido[3,2-e]thiazine] in water under ultrasonication. <i>Green Chemistry</i> , 2012, 14, 1956.	9.0	71
16	Synthesis and antibacterial activity evaluation of metronidazole-triazole conjugates. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 1396-1398.	2.2	65
17	Total Synthesis of Carbazochinocin C: Application of the o-Benzannulation of Fischer Carbene Complexes to Carbazole-3,4-quinone Alkaloids. <i>Organic Letters</i> , 2004, 6, 329-332.	4.6	63
18	Metalloenediynes: A Ligand Field Control of Thermal Bergman Cyclization Reactions. <i>Journal of the American Chemical Society</i> , 2000, 122, 7208-7217.	13.7	62

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19	DBU-catalyzed three-component one-pot synthesis of highly functionalized pyridines in aqueous ethanol. <i>Journal of Heterocyclic Chemistry</i> , 2009, 46, 69-73.	2.6	60
20	Chromene Chromium Carbene Complexes in the Syntheses of Naphthopyran and Naphthopyrandione Units Present in Photochromic Materials and Biologically Active Natural Products. <i>Journal of the American Chemical Society</i> , 2006, 128, 11044-11053.	13.7	57
21	Marine Peptides and Related Compounds in Clinical Trial+. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2006, 6, 33-40.	1.7	56
22	Antimicrobial activity of rationally designed amino terminal modified peptides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 4343-4346.	2.2	56
23	Hydromagnesite as an Efficient Recyclable Heterogeneous Solid Base Catalyst for the Synthesis of Flavanones, Flavonols and 1,4-dihydropyridines in Water. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 3170-3178.	4.3	55
24	Cu(II)-Hydromagnesite Catalyzed Synthesis of Tetrasubstituted Propargylamines and Pyrrolo[1,2- <i>a</i>]quinolines via KA2, A3 Couplings and Their Decarboxylative Versions. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 3409-3419.	6.7	55
25	Recent Developments in Eneidyne Chemistry. <i>Chemistry and Biodiversity</i> , 2012, 9, 459-498.	2.1	54
26	Mg ²⁺ -Induced Thermal Eneidyne Cyclization at Ambient Temperature. <i>Journal of the American Chemical Society</i> , 2001, 123, 9675-9676.	13.7	53
27	Synthesis, antimalarial activity and cytotoxic potential of new monocarbonyl analogues of curcumin. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 112-116.	2.2	53
28	Synthesis, thermal stability, antimalarial activity of symmetrically and asymmetrically substituted tetraoxanes. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 1446-1449.	2.2	50
29	Ionic liquids: a versatile medium for palladium-catalyzed reactions. <i>Journal of the Brazilian Chemical Society</i> , 2008, 19, 357-379.	0.6	50
30	Schiff Bases as Potential Fungicides and Nitrification Inhibitors. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 8520-8525.	5.2	50
31	The Contribution of Ligand Flexibility to Metal Center Geometry Modulated Thermal Cyclization of Conjugated Pyridine and Quinoline Metalloenediynes of Copper(I) and Copper(II). <i>Inorganic Chemistry</i> , 2001, 40, 1846-1857.	4.0	49
32	Anti-methicillin resistant <i>Staphylococcus aureus</i> activity, synergism with oxacillin and molecular docking studies of metronidazole-triazole hybrids. <i>European Journal of Medicinal Chemistry</i> , 2016, 115, 426-437.	5.5	49
33	Synthesis, antimalarial activity, heme binding and docking studies of N-substituted 4-aminoquinoline-pyrimidine molecular hybrids. <i>European Journal of Medicinal Chemistry</i> , 2017, 129, 175-185.	5.5	49
34	[TBA][Gly] ionic liquid promoted multi-component synthesis of 3-substituted indoles and indolyl-4H-chromenes. <i>Tetrahedron Letters</i> , 2015, 56, 1790-1793.	1.4	48
35	One-Pot Synthesis of Aminoindolizines and Chalcones Using CuI/CSP Nanocomposites with Anomalous Selectivity under Green Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 2397-2404.	6.7	48
36	Synthesis and in vitro antimalarial activity of tetraoxane-amine/amide conjugates. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 2816-2827.	5.5	47

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37	Ethylenediammonium diformate (EDDF) in PEG600: an efficient ambiphilic novel catalytic system for the one-pot synthesis of 4H-pyrans via Knoevenagel condensation. RSC Advances, 2013, 3, 18142.	3.6	47
38	4- <i>Aminoquinoline</i> - <i>Triazine</i> -Based Hybrids with Improved <i>In Vitro</i> Antimalarial Activity Against <i>Sensitive</i> and <i>Resistant</i> Strains of <i>Plasmodium falciparum</i> . Chemical Biology and Drug Design, 2013, 81, 625-630.	3.2	47
39	Medicinal Chemistry Perspectives of Trioxanes and Tetraoxanes. Current Medicinal Chemistry, 2011, 18, 3889-3928.	2.4	46
40	Brønsted acidic ionic liquids: Green, efficient and reusable catalyst for synthesis of fluorinated spiro [indole-thiazinones/thiazolidinones] as antihistamic agents. Journal of Fluorine Chemistry, 2012, 137, 117-122.	1.7	46
41	Synthesis, Characterization and <i>In Vitro</i> Anticancer Activity of C-5 Curcumin Analogues with Potential to Inhibit TNF- α -Induced NF- κ B Activation. BioMed Research International, 2014, 2014, 1-10.	1.9	46
42	Marine Peptides as Anticancer Agents: A Remedy to Mankind by Nature. Current Protein and Peptide Science, 2017, 18, 885-904.	1.4	46
43	Synthesis, antimalarial activity and cytotoxicity of substituted 3,6-diphenyl-[1,2,4,5]tetraoxanes. Bioorganic and Medicinal Chemistry, 2009, 17, 5632-5638.	3.0	44
44	Proline confined FAU zeolite: heterogeneous hybrid catalyst for the synthesis of spiroheterocycles via a Mannich type reaction. Green Chemistry, 2012, 14, 3344.	9.0	44
45	Iodine-catalyzed one-pot synthesis and antimalarial activity evaluation of symmetrically and asymmetrically substituted 3,6-diphenyl[1,2,4,5]tetraoxanes. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 1675-1677.	2.2	43
46	CuO/Fe ₂ O ₃ NPs: robust and magnetically recoverable nanocatalyst for decarboxylative A3 and KA2 coupling reactions under neat conditions. Tetrahedron Letters, 2016, 57, 4468-4472.	1.4	42
47	Review on Usage of Vancomycin in Livestock and Humans: Maintaining Its Efficacy, Prevention of Resistance and Alternative Therapy. Veterinary Sciences, 2017, 4, 6.	1.7	42
48	Combinatorial Modulation of Protein Prenylation. ACS Chemical Biology, 2007, 2, 385-389.	3.4	41
49	Tetraoxanes: Synthetic and Medicinal Chemistry Perspective. Medicinal Research Reviews, 2012, 32, 581-610.	10.5	39
50	4-Aminoquinoline Based Molecular Hybrids as Antimalarials: An Overview. Current Topics in Medicinal Chemistry, 2014, 14, 1706-1733.	2.1	38
51	Syntheses and antibacterial activity of phendioxo substituted cyclic enediynes. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 3226-3230.	2.2	37
52	CuI nanoparticles mediated expeditious synthesis of 2-substituted benzimidazoles using molecular oxygen as the oxidant. RSC Advances, 2016, 6, 53596-53601.	3.6	37
53	Copper NPs supported on hematite as magnetically recoverable nanocatalysts for a one-pot synthesis of aminoindolizines and pyrrolo[1,2-a]quinolines. RSC Advances, 2016, 6, 2935-2943.	3.6	37
54	Copper oxide nanoparticle catalysed synthesis of imidazo[1,2-a]pyrimidine derivatives, their optical properties and selective fluorescent sensor towards zinc ion. Tetrahedron Letters, 2018, 59, 2341-2346.	1.4	37

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55	N-Substituted aminoquinoline-pyrimidine hybrids: Synthesis, inÂvitro antimalarial activity evaluation and docking studies. <i>European Journal of Medicinal Chemistry</i> , 2019, 162, 277-289.	5.5	37
56	Functionalized superparamagnetic Fe ₃ O ₄ as an efficient quasi-homogeneous catalyst for multi-component reactions. <i>RSC Advances</i> , 2014, 4, 41323-41330.	3.6	36
57	Hierarchically Porous Sphere-Like Copper Oxide (HS-CuO) Nanocatalyzed Synthesis of Benzofuran Isomers with Anomalous Selectivity and Their Ideal Green Chemistry Metrics. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 6466-6477.	6.7	35
58	Syntheses and thermal reactivities of symmetrically and asymmetrically substituted acyclic enediyne: steric control of Bergman cyclization temperatures. <i>Chemical Communications</i> , 2000, , 2493-2494.	4.1	33
59	Synthesis of 7-Substituted Farnesyl Diphosphate Analogues. <i>Organic Letters</i> , 2002, 4, 3027-3030.	4.6	32
60	Triazineâ€“pyrimidine based molecular hybrids: synthesis, docking studies and evaluation of antimalarial activity. <i>New Journal of Chemistry</i> , 2014, 38, 5087-5095.	2.8	31
61	Novel 3,5-bis(arylidene)-4-piperidone based monocarbonyl analogs of curcumin: anticancer activity evaluation and mode of action study. <i>MedChemComm</i> , 2014, 5, 576-586.	3.4	31
62	Catalyst-free, ethylene glycol promoted one-pot three component synthesis of 3-amino alkylated indoles via Mannich-type reaction. <i>Tetrahedron Letters</i> , 2014, 55, 2977-2981.	1.4	30
63	The anti-tuberculosis agents under development and the challenges ahead. <i>Future Medicinal Chemistry</i> , 2015, 7, 1981-2003.	2.3	28
64	Cu(0)@Al ₂ O ₃ /SiO ₂ NPs: an efficient reusable catalyst for the cross coupling reactions of aryl chlorides with amines and anilines. <i>RSC Advances</i> , 2015, 5, 92121-92127.	3.6	28
65	Novel isoniazidâ€“amidoether derivatives: synthesis, characterization and antimycobacterial activity evaluation. <i>MedChemComm</i> , 2015, 6, 131-137.	3.4	28
66	Chemoselective Hydrazineâ€“mediated Transfer Hydrogenation of Nitroarenes by Co ₃ O ₄ Nanoparticles Immobilized on an Al/Siâ€“mixed Oxide Support. <i>Chemistry - an Asian Journal</i> , 2017, 12, 785-791.	3.3	27
67	C ₅ -curcuminoid-4-aminoquinoline based molecular hybrids: design, synthesis and mechanistic investigation of anticancer activity. <i>New Journal of Chemistry</i> , 2015, 39, 224-234.	2.8	26
68	Reduced Graphene Oxide Supported Copper Oxide Nanocomposites from a Renewable Copper Mineral Precursor: A Green Approach for Decarboxylative C(sp ³)â€“H Activation of Proline Amino Acid To Afford Value-Added Synthons. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 10039-10051.	6.7	26
69	Novel metronidazoleâ€“chalcone conjugates with potential to counter drug resistance in <i>Trichomonas vaginalis</i> . <i>European Journal of Medicinal Chemistry</i> , 2014, 79, 89-94.	5.5	25
70	Monocarbonyl Curcuminoids with Improved Stability as Antibacterial Agents against <i>Staphylococcus aureus</i> and Their Mechanistic Studies. <i>ACS Omega</i> , 2019, 4, 675-687.	3.5	25
71	¹ H NMR and X-ray crystallographic analysis of 1,2-bis(4,6-diethylthio-1H-pyrazolo[3,4-d]pyrimidin-1-yl)ethane and its â€“propylene linkerâ€“ analog: molecular recognition versus crystal engineering. <i>Tetrahedron Letters</i> , 2001, 42, 7115-7117.	1.4	24
72	Design, synthesis and evaluation of 4-aminoquinoline-purine hybrids as potential antiplasmodial agents. <i>European Journal of Medicinal Chemistry</i> , 2017, 126, 675-686.	5.5	24

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73	Synthesis, antibacterial activity and mode of action of novel linoleic acid dipeptide-spermidine conjugates. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 8326.	2.8	23
74	Synthesis of piperazine tethered 4-aminoquinoline-pyrimidine hybrids as potent antimalarial agents. <i>RSC Advances</i> , 2014, 4, 20729-20736.	3.6	23
75	Facile construction of 3-indolochromenes and 3-indoloxanthenes via EDDF catalyzed one-pot three component reactions. <i>New Journal of Chemistry</i> , 2015, 39, 6253-6260.	2.8	23
76	Synthesis, antimicrobial activity and structure-activity relationship study of N,N-dibenzyl-cyclohexane-1,2-diamine derivatives. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 480-487.	5.5	22
77	Anticancer activity of 4-aminoquinoline-triazine based molecular hybrids. <i>RSC Advances</i> , 2014, 4, 7062.	3.6	22
78	Hydromagnesite Rectangular Thin Sheets as Efficient Heterogeneous Catalysts for the Synthesis of 3-Substituted Indoles via Yonemitsu-Type Condensation in Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 1536-1543.	6.7	22
79	Development of magnesium oxide-silver hybrid nanocatalysts for synergistic carbon dioxide activation to afford esters and heterocycles at ambient pressure. <i>Green Chemistry</i> , 2020, 22, 3170-3177.	9.0	22
80	Synthesis and anticancer activity evaluation of resveratrol-chalcone conjugates. <i>MedChemComm</i> , 2014, 5, 528.	3.4	21
81	Highly active 4-aminoquinoline-pyrimidine based molecular hybrids as potential next generation antimalarial agents. <i>RSC Advances</i> , 2015, 5, 28171-28186.	3.6	20
82	Hybridization of Fluoro-amodiaquine (FAQ) with Pyrimidines: Synthesis and Antimalarial Efficacy of FAQ-Pyrimidines. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 714-719.	2.8	20
83	Palladium Nanocatalysts Encapsulated on Porous Silica @ Magnetic Carbon-Coated Cobalt Nanoparticles for Sustainable Hydrogenation of Nitroarenes, Alkenes and Alkynes. <i>ChemCatChem</i> , 2020, 12, 569-575.	3.7	20
84	NSC 18725, a Pyrazole Derivative Inhibits Growth of Intracellular Mycobacterium tuberculosis by Induction of Autophagy. <i>Frontiers in Microbiology</i> , 2019, 10, 3051.	3.5	20
85	Barium nitrate catalyzed one pot synthesis of 1,4-dihydropyridines under solvent free conditions at room temperature. <i>Journal of Heterocyclic Chemistry</i> , 2008, 45, 737-739.	2.6	19
86	Synthesis and Antimalarial Activity Evaluation of Tetraoxane-Triazine Hybrids and Spiro[piperidine-4,3-tetraoxanes]. <i>Helvetica Chimica Acta</i> , 2012, 95, 1181-1197.	1.6	19
87	In Vitro Antiamoebic Activity Evaluation and Docking Studies of Metronidazole-Triazole Hybrids. <i>ChemMedChem</i> , 2014, 9, 2439-2444.	3.2	19
88	N-terminal aromatic tag induced self assembly of tryptophan-arginine rich ultra short sequences and their potent antibacterial activity. <i>RSC Advances</i> , 2015, 5, 68610-68620.	3.6	19
89	Solvent-Free Oxidative Synthesis of 2-Substituted Benzimidazoles by Immobilized Cobalt Oxide Nanoparticles on Alumina/Silica Support. <i>ChemistrySelect</i> , 2017, 2, 3889-3895.	1.5	19
90	Synthesis, antimalarial activity, heme binding and docking studies of 4-aminoquinoline-pyrimidine based molecular hybrids. <i>RSC Advances</i> , 2014, 4, 63655-63669.	3.6	18

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91	Greener synthesis and photo-antiproliferative activity of novel fluorinated benzothiazolo[2,3-b]quinazolines. <i>Medicinal Chemistry Research</i> , 2014, 23, 896-904.	2.4	17
92	4-Aminoquinoline-pyrimidine-aminoalkanols: synthesis, in vitro antimalarial activity, docking studies and ADME predictions. <i>New Journal of Chemistry</i> , 2015, 39, 3474-3483.	2.8	17
93	CuIn-ethylxanthate, a "Versatile Precursor" for Photosensitization of Graphene-Quantum Dots and Nanocatalyzed Synthesis of Imidazopyridines with Ideal Green Chemistry Metrics. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 5544-5557.	6.7	17
94	A CONVENIENT METHOD FOR THE SYNTHESIS OF 1,8-BIS(PYRIDIN-3-OXY)OCT-4-ENE-2,6-DIYNE. <i>Synthetic Communications</i> , 2002, 32, 1489-1494.	2.1	16
95	Decarboxylative Coupling Strategy To Afford <i>N</i> -Heterocycles Driven by Silica-Nanosphere-Embedded Copper Oxide (Cu@SiO ₂ -NS). <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 4672-4682.	6.7	16
96	N-Piperonyl substitution on aminoquinoline-pyrimidine hybrids: Effect on the antiplasmodial potency. <i>European Journal of Medicinal Chemistry</i> , 2017, 131, 126-140.	5.5	16
97	CuO@Fe ₂ O ₃ catalyzed C1-alkynylation of tetrahydroisoquinolines (THIQs) via A3 coupling and its decarboxylative strategies. <i>New Journal of Chemistry</i> , 2017, 41, 8341-8346.	2.8	16
98	QcrB in <i>Mycobacterium tuberculosis</i> : The new drug target of antitubercular agents. <i>Medicinal Research Reviews</i> , 2021, 41, 2565-2581.	10.5	16
99	Fine tuning of folded conformation by change of substituents: 1H NMR and crystallographic evidence for folded conformation due to arene interactions in pyrazolo[3,4-d]pyrimidine core based "propylene linker"™ compounds. <i>Journal of Molecular Structure</i> , 2005, 750, 179-185.	3.6	15
100	C5-curcuminoid-dithiocarbamate based molecular hybrids: synthesis and anti-inflammatory and anti-cancer activity evaluation. <i>RSC Advances</i> , 2014, 4, 28756-28764.	3.6	15
101	Antimycobacterial activity evaluation, time-kill kinetic and 3D-QSAR study of C-(3-aminomethyl-cyclohexyl)-methylamine derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 1365-1369.	2.2	14
102	Synthesis, antiamoebic activity and docking studies of metronidazole-triazole-styryl hybrids. <i>European Journal of Medicinal Chemistry</i> , 2018, 150, 633-641.	5.5	14
103	CuO@NiO Nanocomposite Catalyzed Synthesis of Biologically Active Indenoisoquinoline Derivatives. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 13701-13712.	6.7	14
104	Tetraoxanes: synthetic and medicinal chemistry perspective. <i>Medicinal Research Reviews</i> , 2012, 32, 581-610.	10.5	14
105	Hierarchically Porous Mixed Oxide Sheetlike Copper-Aluminum Nanocatalyzed Synthesis of 2-Alkynyl Pyrrolidines/Piperidines and Their Ideal Green Chemistry Metrics. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 19235-19245.	6.7	13
106	Antibacterial activity of adamantyl substituted cyclohexane diamine derivatives against methicillin resistant <i>Staphylococcus aureus</i> and <i>Mycobacterium tuberculosis</i> . <i>RSC Advances</i> , 2014, 4, 11962.	3.6	12
107	Synthesis and Biochemical Evaluation of 3,7-Disubstituted Farnesyl Diphosphate Analogues. <i>Journal of Organic Chemistry</i> , 2008, 73, 1881-1887.	3.2	11
108	Synthesis and antibacterial activity of benzyl-[3-(benzylamino-methyl)-cyclohexylmethyl]-amine derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 893-895.	2.2	11

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109	Insights into activity enhancement of 4-aminoquinoline-based hybrids using atom-based and field-based QSAR studies. <i>Medicinal Chemistry Research</i> , 2015, 24, 1136-1154.	2.4	11
110	Synthesis of 4-piperidone Based Curcuminoids with Anti-inflammatory and Anti-Proliferation Potential in Human Cancer Cell Lines. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2016, 16, 841-851.	1.7	11
111	Lewis Acid Catalyzed Synthesis of 1-Aryl-2-dihydro-1,2,3-oxazin-3-ones under Solvent Free Conditions: A Mechanistic Approach. <i>Journal of Heterocyclic Chemistry</i> , 2012, 49, 589-595.	2.6	10
112	BF ₃ ·OEt ₂ -Mediated Highly Stereoselective Synthesis of Trisubstituted Tetrahydrofuran via [3+2] Cycloaddition Reaction of Arylcyclopropyl Ketones with Aldehydes. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 993-997.	2.7	10
113	Synthesis and Antitubercular Activity Evaluation of Novel Unsymmetrical Cyclohexane-1,2-diamine Derivatives. <i>Archiv Der Pharmazie</i> , 2012, 345, 896-901.	4.1	9
114	Geometric and Electronic Control of Thermal Bergman Cyclization. <i>Synlett</i> , 2004, 2004, 393-421.	1.8	8
115	Synthesis and Anticancer Activity of 13-Membered Cyclic Eneidyne. <i>Archiv Der Pharmazie</i> , 2011, 344, 564-571.	4.1	8
116	Comparative mode of action of novel hybrid peptide CS-1a and its rearranged amphipathic analogue CS-2a. <i>FEBS Journal</i> , 2012, 279, 3776-3790.	4.7	8
117	Calreticulin transacetylase mediated upregulation of thioredoxin by 7,8-diacetoxy-4-methylcoumarin enhances the antioxidant potential and the expression of vascular endothelial growth factor in peripheral blood mononuclear cells. <i>Chemico-Biological Interactions</i> , 2013, 206, 327-336.	4.0	8
118	Zinc Oxide Sensitized Graphene Quantum Dots (ZnO@GQDs): A Hybrid Concept to Study Charge Transfer and its Catalytic Applicability to Synthesize Tetrasubstituted Propargylamines. <i>Asian Journal of Organic Chemistry</i> , 2020, 9, 2162-2169.	2.7	8
119	Dissecting The role of <i>Plasmodium</i> metacaspase-2 in malaria gametogenesis and sporogony. <i>Emerging Microbes and Infections</i> , 2022, 11, 938-955.	6.5	8
120	A stacked pyrazolo[3,4-d]pyrimidine-based flexible molecule: the effect of a bulky benzyl group on intermolecular stacking in comparison with methyl and ethyl groups. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2002, 58, o494-o495.	0.4	7
121	Aminoquinoline-Pyrimidine-Modified Anilines: Synthesis, In Vitro Antiplasmodial Activity, Cytotoxicity, Mechanistic Studies and ADME Predictions. <i>ChemistrySelect</i> , 2017, 2, 9074-9083.	1.5	7
122	Cu@Al ₂ O ₃ catalyzed synthesis of 2-aminonicotinonitrile derivatives under solvent free condition. <i>Tetrahedron Letters</i> , 2019, 60, 1153-1157.	1.4	7
123	Synthesis of novel monocarbonyl curcuminoids, evaluation of their efficacy against MRSA, including ex vivo infection model and their mechanistic studies. <i>European Journal of Medicinal Chemistry</i> , 2020, 195, 112276.	5.5	7
124	Approaches to the Total Synthesis of Natural Quinolizidine Alkaloid (+)-epiquinamide and its Isomers: An Overview. <i>Current Organic Synthesis</i> , 2014, 11, 627-646.	1.3	7
125	Editorial: Plant Derived Secondary Metabolites as Anti-Cancer Agents. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2013, 13, 1551-1551.	1.7	7
126	Magnetically Separable Fe ₃ O ₄ @poly(m-phenylenediamine)@Cu ₂ O Nanocatalyst for the Facile Synthesis of 5-phenyl-1,2,3-triazolo[1,5-c]quinazolines. <i>ChemCatChem</i> , 0, , .	3.7	7

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127	Magnetically recoverable Ni@CuI hybrid nanocatalysts affording spiropyrroline heterocycles from ketoximes and alkenes. <i>Asian Journal of Organic Chemistry</i> , 2020, 9, 1059-1064.	2.7	6
128	A stacked pyrazolo[3,4-d]pyrimidine-based flexible molecule: the effect on stacking of a bulky isopropyl group in comparison with a methyl/ethyl group. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2003, 59, o523-o524.	0.4	5
129	IBX-TfOH mediated oxidation of alcohols to aldehydes and ketones under mild reaction conditions. <i>Tetrahedron Letters</i> , 2020, 61, 151749.	1.4	5
130	Synthesis of Unsymmetrical C5-Curcuminoids as Potential Anticancer Agents. <i>Letters in Drug Design and Discovery</i> , 2013, 11, 138-149.	0.7	5
131	A dimeric layered structure of a 4-oxo-4,5-dihydro-1H-pyrazolo[3,4-d]pyrimidine compound. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2002, 58, o325-o327.	0.4	3
132	Cobalt-catalysed C-C Bond Formation and [2+2+2] Annulation of 1,3-dicarbonyls to Terminal Alkynes. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 4101-4104.	2.4	3
133	Transition-metal-free, one-pot, tandem C1-indoylation and N-alkylation of tetrahydroisoquinoline in biodegradable PEG solvent. <i>Tetrahedron Letters</i> , 2020, 61, 152304.	1.4	3
134	3D QSAR studies on amphiphilic indoles for antimycobacterial activity. <i>Journal of Biochemical and Molecular Toxicology</i> , 2021, 35, e22675.	3.0	3
135	The Competence of 7,8-Diacetoxy-4-Methylcoumarin and Other Polyphenolic Acetates in Mitigating the Oxidative Stress and their Role in Angiogenesis. <i>Current Topics in Medicinal Chemistry</i> , 2015, 15, 179-186.	2.1	3
136	Editorial [Hot Topic: Recent Advances in Cancer Chemotherapy-Part I (Guest Editor: Diwan S. Rawat)]. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2008, 8, 122-122.	1.7	2
137	Renewable RGO@CuI Nanocomposites for Redox Triggered Single Electron Transfer (SET) Reaction Under Aerobic and Anaerobic Conditions. <i>ChemCatChem</i> , 2020, 12, 3728-3736.	3.7	2
138	Design and synthesis of benzimidazole derivatives as antimycobacterial agents. <i>Journal of Biochemical and Molecular Toxicology</i> , 2022, 36, .	3.0	2
139	1,3-Bis(8-chlorotheophyllin-7-yl)propane: a molecule with no intramolecular stacking. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2001, 57, o1163-o1165.	0.2	1
140	Isomeric pyrazolo[3,4-d]pyrimidine-based molecules: disappearance of dimerization due to interchanged substitutions. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2002, 58, o311-o313.	0.4	1
141	Site-directed mutagenesis in the P-domain of calreticulin transacylase identifies Lys-207 as the active site residue. <i>3 Biotech</i> , 2021, 11, 113.	2.2	1
142	Monocarbonyl curcuminoids as antituberculosis agents with their moderate in vitro metabolic stability on human liver microsomes. <i>Journal of Biochemical and Molecular Toxicology</i> , 2021, 35, 1-10.	3.0	1
143	(\hat{A} \pm)-Camphor sulfonic acid assisted IBX based oxidation of 1 \hat{A} $^\circ$ and 2 \hat{A} $^\circ$ alcohols. <i>Tetrahedron Letters</i> , 2021, 81, 153298.	1.4	1
144	Editorial [Recent Advances in Cancer Chemotherapy- Part II Guest Editor: Diwan S. Rawat]. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2008, 8, 240-240.	1.7	0