

Suresh Kumar Raju

List of Publications by Year in descending order

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210
papers

3,748
citations

126907

33
h-index

189892

50
g-index

231
all docs

231
docs citations

231
times ranked

2705
citing authors

#	ARTICLE	IF	CITATIONS
1	Discovery of Antimycobacterial Spiro-piperidin-4-ones: An Atom Economic, Stereoselective Synthesis, and Biological Intervention. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 5731-5735.	6.4	216
2	A facile synthesis and antimycobacterial evaluation of novel spiro-pyrido-pyrrolizines and pyrrolidines. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 3821-3829.	5.5	154
3	Substituted spiro [2.3] oxindole-spiro [3.2]-5,6-dimethoxy-indane-1-one-pyrrolidine analogue as inhibitors of acetylcholinesterase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 7064-7066.	2.2	129
4	Novel three-component domino reactions of ketones, isatin and amino acids: Synthesis and discovery of antimycobacterial activity of highly functionalised novel dispiropyrrrolidines. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 411-422.	5.5	129
5	An atom efficient, solvent-free, green synthesis and antimycobacterial evaluation of 2-amino-6-methyl-4-aryl-8-[(E)-arylmethylidene]-5,6,7,8-tetrahydro-4H-pyrano[3,2-c]pyridine-3-carbonitriles. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 6459-6462.	2.2	125
6	Synthesis and discovery of novel piperidone-grafted mono- and bis-spirooxindole-hexahydropyrrolizines as potent cholinesterase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 1696-1707.	3.0	87
7	An atom economic synthesis and antitubercular evaluation of novel spiro-cyclohexanones. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 3461-3465.	2.2	75
8	A highly atom economic, chemo-, regio- and stereoselective synthesis, and discovery of spiro-pyrido-pyrrolizines and pyrrolidines as antimycobacterial agents. <i>Tetrahedron</i> , 2008, 64, 2962-2971.	1.9	71
9	A facile chemo-, regio- and stereoselective synthesis and cholinesterase inhibitory activity of spirooxindole-pyrrolizine-piperidine hybrids. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 2979-2983.	2.2	66
10	Sacrificial azomethine ylide cycloaddition controlled chemoselective nitrile oxide cycloaddition to 1-methyl-3,5-bis[(E)-arylmethylidene]tetrahydro-4(1H)-pyridinones: formation of mono-spiro-isoxazolines. <i>Tetrahedron</i> , 2007, 63, 12220-12231.	1.9	55
11	Novel three-component tandem reactions of cyclic mono ketones, isatin and sarcosine: formation of dispiropyrrrolidines. <i>Tetrahedron Letters</i> , 2007, 48, 7164-7168.	1.4	52
12	Antimycobacterial activity of novel 1,2,4-oxadiazole-pyranopyridine/chromene hybrids generated by chemoselective 1,3-dipolar cycloadditions of nitrile oxides. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 3444-3450.	3.0	51
13	AChE inhibitor : A regio- and stereo-selective 1,3-dipolar cycloaddition for the synthesis of novel substituted 5,6-dimethoxy spiro[5.3]-oxindole-spiro-[6.3]-2,3-dihydro-1H-inden-1-one-7-(substituted) Tj ETOq1 1 0,784314 508-511.	2.2	51
14	A green expedient synthesis of pyridopyrimidine-2-thiones and their antitubercular activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 3012-3016.	2.2	50
15	Synthesis and discovery of highly functionalized mono- and bis-spiro-pyrrolidines as potent cholinesterase enzyme inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 1815-1819.	2.2	50
16	Regio- and diastereoselective synthesis of anticancer spirooxindoles derived from tryptophan and histidine via three-component 1,3-dipolar cycloadditions in an ionic liquid. <i>Tetrahedron</i> , 2018, 74, 5358-5366.	1.9	44
17	An expedient, ionic liquid mediated multi-component synthesis of novel piperidone grafted cholinesterase enzymes inhibitors and their molecular modeling study. <i>European Journal of Medicinal Chemistry</i> , 2013, 67, 221-229.	5.5	43
18	A facile three-component [3+2]-cycloaddition for the regioselective synthesis of highly functionalised dispiropyrrrolidines acting as antimycobacterial agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 1383-1386.	2.2	43

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19	Ionic liquid mediated synthesis of mono- and bis-spirooxindole-hexahydropyrrolidines as cholinesterase inhibitors and their molecular docking studies. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 1318-1328.	3.0	43
20	Rhodium-Catalyzed Oxidative Benzannulation of <i>N</i> -Adamantyl-1-naphthylamines with Internal Alkynes via Dual C-H Bond Activation: Synthesis of Substituted Anthracenes. <i>Organic Letters</i> , 2016, 18, 4246-4249.	4.6	43
21	Biogenic synthesis, characterization and antimicrobial activity of <i>Ixora brachypoda</i> (DC) leaf extract mediated silver nanoparticles. <i>Journal of King Saud University - Science</i> , 2021, 33, 101296.	3.5	42
22	Multicomponent Dipolar Cycloaddition Strategy: Combinatorial Synthesis of Novel Spiro-Tethered Pyrazolo[3,4- <i>b</i>]quinoline Hybrid Heterocycles. <i>ACS Combinatorial Science</i> , 2016, 18, 262-270.	3.8	41
23	Antimycobacterial activity: A facile three-component [3+2]-cycloaddition for the regioselective synthesis of highly functionalised dispiropyrrrolidines. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 4930-4933.	2.2	40
24	A facile synthesis and highly atom economic 1,3-dipolar cycloaddition of hexahydropyrido[3,4- <i>c</i>][1,5]benzothiazepines with nitrile oxide: stereoselective formation of hexahydro[1,2,4]oxadiazolo[5,4- <i>d</i>]pyrido[3,4- <i>c</i>][1,5]benzothiazepines. <i>Tetrahedron</i> , 2007, 63, 7850-7857.	1.9	38
25	Functionalized spirooxindole-indolizine hybrids: Stereoselective green synthesis and evaluation of anti-inflammatory effect involving TNF- α and nitrite inhibition. <i>European Journal of Medicinal Chemistry</i> , 2018, 152, 417-423.	5.5	38
26	Dispiropyrrrolidinyl-piperidone embedded indeno[1,2- <i>b</i>]quinoxaline heterocyclic hybrids: Synthesis, cholinesterase inhibitory activity and their molecular docking simulation. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 2621-2628.	3.0	38
27	Four-component tandem protocol for the stereoselective synthesis of highly functionalized [1,4]-thiazines. <i>Tetrahedron</i> , 2007, 63, 1411-1416.	1.9	37
28	1,3-Dipolar cycloaddition of C-aryl-N-phenylnitrones to (R)-1-(1-phenylethyl)-3-[(E)-arylmethylidene]tetrahydro-4(1H)-pyridinones: Synthesis and antimycobacterial evaluation of enantiomerically pure spiroisoxazolidines. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 124-133.	5.5	37
29	A Facile Ionic Liquid Promoted Synthesis, Cholinesterase Inhibitory Activity and Molecular Modeling Study of Novel Highly Functionalized Spiropyrrrolidines. <i>Molecules</i> , 2015, 20, 2296-2309.	3.8	37
30	Spiropyrrrolidine/spiroindolizino[6,7- <i>b</i>]indole heterocyclic hybrids: Stereoselective synthesis, cholinesterase inhibitory activity and their molecular docking study. <i>Bioorganic Chemistry</i> , 2018, 79, 64-71.	4.1	37
31	Design, synthesis and antiproliferative activity of decarbonyl luotonin analogues. <i>European Journal of Medicinal Chemistry</i> , 2017, 138, 932-941.	5.5	36
32	Facile, Regio- and Diastereoselective Synthesis of Spiro-Pyrrolidine and Pyrrolizine Derivatives and Evaluation of Their Antiproliferative Activities. <i>Molecules</i> , 2014, 19, 10033-10055.	3.8	35
33	Three-component tandem reactions of (2-arylsulfanyl-3-aryl-2-oxiranyl)(aryl)methanones and o-phenylenediamine: formation of quinoxalines. <i>Tetrahedron Letters</i> , 2007, 48, 2155-2158.	1.4	34
34	Phase Transformation of Amorphous to Crystalline of Multiwall Carbon Nanotubes by Shock Waves. <i>Crystal Growth and Design</i> , 2021, 21, 1617-1624.	3.0	33
35	A solvent free, four-component synthesis and 1,3-dipolar cycloaddition of 4(H)-pyrans with nitrile oxides: Synthesis and discovery of antimycobacterial activity of enantiomerically pure 1,2,4-oxadiazoles. <i>European Journal of Medicinal Chemistry</i> , 2012, 53, 416-423.	5.5	31
36	Microwave assisted synthesis, cholinesterase enzymes inhibitory activities and molecular docking studies of new pyridopyrimidine derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 3022-3031.	3.0	31

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37	A Novel One-Pot Green Synthesis of Dispirooxindolo-pyrrolidines via 1,3-Dipolar Cycloaddition Reactions of Azomethine Ylides. <i>Molecules</i> , 2015, 20, 780-791.	3.8	31
38	An atom economic synthesis and AChE inhibitory activity of novel dispiro 7-aryltetrahydro-1H-pyrrolo[1,2-c][1,3]thiazole and 4-aryloctaahydroindolizine N-methylpiperidin-4-one hybrid heterocycles. <i>European Journal of Medicinal Chemistry</i> , 2013, 65, 240-248.	5.5	30
39	Ultrasound-Assisted Sequential Multicomponent Strategy for the Combinatorial Synthesis of Novel Coumarin Hybrids. <i>ACS Combinatorial Science</i> , 2014, 16, 566-572.	3.8	30
40	A 1,3-dipolar cycloaddition-annulation protocol for the expedient regio-, stereo- and product-selective construction of novel hybrid heterocycles comprising seven rings and seven contiguous stereocentres. <i>Tetrahedron Letters</i> , 2013, 54, 2515-2519.	1.4	29
41	Ionic liquid-enabled synthesis, cholinesterase inhibitory activity, and molecular docking study of highly functionalized tetrasubstituted pyrrolidines. <i>Bioorganic Chemistry</i> , 2018, 77, 263-268.	4.1	29
42	Broad-spectrum antifungal activity of spirooxindolo-pyrrolidine tethered indole/imidazole hybrid heterocycles against fungal pathogens. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 2059-2063.	2.2	29
43	A One-Pot Multicomponent 1,3-Dipolar Cycloaddition Strategy: Combinatorial Synthesis of Dihydrothiophenone-Engrafted Dispiro Hybrid Heterocycles. <i>ACS Combinatorial Science</i> , 2017, 19, 308-314.	3.8	27
44	Spirooxindole-pyrrolidine heterocyclic hybrids promotes apoptosis through activation of caspase-3. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 2487-2498.	3.0	26
45	A facile three-component [3+2]-cycloaddition/annulation domino protocol for the regio- and diastereoselective synthesis of novel penta- and hexacyclic cage systems, involving the generation of two heterocyclic rings and five contiguous stereocenters. <i>Tetrahedron</i> , 2011, 67, 3132-3139.	1.9	25
46	1,3-Dipolar cycloaddition of nitrile oxides to (R)-1-(1-phenylethyl)-3,5-bis[(E)-arylmethylidene]tetrahydro-4(1H)-pyridinones: synthesis and antimycobacterial evaluation of novel enantiomerically pure di- and trispiroheterocycles. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 1315-1327.	1.8	24
47	Highly functionalized 2-amino-4H-pyrans as potent cholinesterase inhibitors. <i>Bioorganic Chemistry</i> , 2018, 81, 134-143.	4.1	24
48	Anti-tubercular activity of novel class of spiropyrrolidine tethered indenoquinoxaline heterocyclic hybrids. <i>Bioorganic Chemistry</i> , 2020, 99, 103799.	4.1	24
49	1,3-Dipolar cycloaddition of nitrile oxides to (R)-1-(1-phenylethyl)-3-[(E)-arylmethylidene]tetrahydro-4(1H)-pyridinones: synthesis of enantiomerically pure spiro heterocycles. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 170-180.	1.8	23
50	Selective synthesis of Î-lactone via palladium nanoparticles-catalyzed telomerization of CO ₂ with 1,3-butadiene. <i>Tetrahedron Letters</i> , 2016, 57, 3163-3166.	1.4	23
51	Design, synthesis and cholinesterase inhibitory activity of novel spiropyrrolidine tethered imidazole heterocyclic hybrids. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 126789.	2.2	23
52	Synthesis of novel 16-spiro steroids: Spiro-7- ϵ^2 -(aryl)tetrahydro-1H-pyrrolo[1,2-c][1,3]thiazolo-trans-androsterone hybrid heterocycles. <i>Steroids</i> , 2013, 78, 409-417.	1.8	22
53	Ionic Liquid-Promoted Synthesis and Cholinesterase Inhibitory Activity of Highly Functionalized Spiropyrrrolidines. <i>Australian Journal of Chemistry</i> , 2015, 68, 863.	0.9	22
54	Benzimidazole tethered pyrrolo[3,4-b]quinoline with broad-spectrum activity against fungal pathogens. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 729-733.	2.2	22

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55	Multicomponent 1,3-Dipolar Cycloaddition Reactions in the Construction of Hybrid Spiroheterocycles. <i>Current Organic Chemistry</i> , 2013, 17, 1929-1956.	1.6	22
56	Chemo-, regio- and stereoselective 1,3-dipolar cycloaddition of C-aryl-N-phenylnitrones over 3,5-bis(arylidene)-1-methylpiperidin-4-ones: synthesis of highly substituted novel spiro-isoxazolidines. <i>Tetrahedron</i> , 2006, 62, 12380-12391.	1.9	21
57	Synthesis and discovery of novel hexacyclic cage compounds as inhibitors of acetylcholinesterase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 3997-4000.	2.2	21
58	Applications of Metal Nanopore Catalysts in Organic Synthesis. <i>Synlett</i> , 2015, 26, 2355-2380.	1.8	21
59	Synthesis and cholinesterase inhibitory activity study of new piperidone grafted spiropyrrolidines. <i>Bioorganic Chemistry</i> , 2017, 75, 210-216.	4.1	21
60	Regio- and diastereoselective synthesis of spiropyrroloquinoxaline grafted indole heterocyclic hybrids and evaluation of their anti- <i>Mycobacterium tuberculosis</i> activity. <i>RSC Advances</i> , 2020, 10, 23522-23531.	3.6	21
61	Straightforward synthesis of pyrrolo[3,4-b]quinolines through intramolecular Povarov reactions. <i>Tetrahedron Letters</i> , 2015, 56, 6900-6903.	1.4	20
62	Stereoselective synthesis and discovery of novel spirooxindolopyrrolidine engrafted indandione heterocyclic hybrids as antimycobacterial agents. <i>Bioorganic Chemistry</i> , 2021, 110, 104798.	4.1	20
63	Cholinesterase inhibitory activity versus aromatic core multiplicity: A facile green synthesis and molecular docking study of novel piperidone embedded thiazolopyrimidines. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 906-916.	3.0	19
64	The switchable phase transition of sodium sulfate crystals activated by shock waves. <i>New Journal of Chemistry</i> , 2021, 45, 16529-16536.	2.8	19
65	An Expedient Regio- and Diastereoselective Synthesis of Hybrid Frameworks with Embedded Spiro[9,10]dihydroanthracene [9,3 ²]-pyrrolidine and Spiro[oxindole-3,2 ² -pyrrolidine] Motifs via an Ionic Liquid-Mediated Multicomponent Reaction. <i>Molecules</i> , 2015, 20, 16142-16153.	3.8	18
66	Dipolar Cycloaddition-Based Multicomponent Reactions in Ionic Liquids: A Green, Fully Stereoselective Synthesis of Novel Polycyclic Cage Systems with the Generation of Two New Azaheterocyclic Rings. <i>Synthesis</i> , 2015, 47, 2721-2730.	2.3	18
67	Highly functionalized pyrrolidine analogues: stereoselective synthesis and caspase-dependent apoptotic activity. <i>RSC Advances</i> , 2018, 8, 41226-41236.	3.6	18
68	Bioprospection and secondary metabolites profiling of marine <i>Streptomyces levis</i> strain KS46. <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 667-679.	3.8	18
69	Antituberculosis: Synthesis and Antimycobacterial Activity of Novel Benzimidazole Derivatives. <i>BioMed Research International</i> , 2013, 2013, 1-6.	1.9	16
70	Regioselective synthesis of novel dispiro oxindole ² -pyrrolizine ² -thiazolidine-2,4-dione hybrids. <i>Tetrahedron Letters</i> , 2015, 56, 4374-4376.	1.4	16
71	Carboxylative coupling reaction of five-membered (chloromethyl)heteroarenes with allyltributylstannane catalyzed by palladium nanoparticles. <i>Tetrahedron Letters</i> , 2015, 56, 6747-6750.	1.4	16
72	Domino Multicomponent Approach for the Synthesis of Functionalized Spiro-Indeno[1,2-b]quinoxaline Heterocyclic Hybrids and Their Antimicrobial Activity, Synergistic Effect and Molecular Docking Simulation. <i>Molecules</i> , 2019, 24, 1962.	3.8	16

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73	Dynamic Shock Wave-Induced Amorphous-to-Crystalline Switchable Phase Transition of Lithium Sulfate. <i>Journal of Physical Chemistry C</i> , 2022, 126, 3194-3201.	3.1	16
74	Regio and stereoselective synthesis of anticancer spirooxindolopyrrolidine embedded piperidone heterocyclic hybrids derived from one-pot cascade protocol. <i>Chemistry Central Journal</i> , 2018, 12, 95.	2.6	15
75	Three-Component Synthesis and 1,3-Dipolar Cycloaddition of Highly Functionalized Pyrans with Nitrile Oxides: Easy Access to 1,2,4-Oxadiazoles. <i>Synthetic Communications</i> , 2013, 43, 2763-2772.	2.1	14
76	An Expedient Synthesis, Acetylcholinesterase Inhibitory Activity, and Molecular Modeling Study of Highly Functionalized Hexahydro-1,6-naphthyridines. <i>BioMed Research International</i> , 2015, 2015, 1-9.	1.9	14
77	“On-water” one-pot pseudo four-component domino protocol for the synthesis of novel benzo[a]cyclooctenes. <i>Tetrahedron Letters</i> , 2013, 54, 4800-4802.	1.4	13
78	Microwave-assisted chemoselective synthesis of novel pyrazolo[3,4-b]thieno[3,4-e]pyridines: substitution induced axial chirality. <i>Tetrahedron Letters</i> , 2014, 55, 5805-5807.	1.4	13
79	Copper(II)-Catalyzed and Chelation-Induced Remote C-H Halogenation of Quinolines under Neutral Conditions. <i>ChemistrySelect</i> , 2017, 2, 3414-3418.	1.5	13
80	Stereoselective green synthesis and molecular structures of highly functionalized spirooxindole-pyrrolidine hybrids – A combined experimental and theoretical investigation. <i>Journal of Molecular Structure</i> , 2018, 1152, 266-275.	3.6	13
81	Dispiropyrrrolidine tethered piperidone heterocyclic hybrids with broad-spectrum antifungal activity against <i>Candida albicans</i> and <i>Cryptococcus neoformans</i> . <i>Bioorganic Chemistry</i> , 2020, 100, 103865.	4.1	13
82	A stereo, regioselective synthesis and discovery of antimycobacterium tuberculosis activity of novel β -lactam grafted spirooxindolopyrrolidine hybrid heterocycles. <i>Arabian Journal of Chemistry</i> , 2021, 14, 102938.	4.9	13
83	Cholinesterase inhibitory activity of highly functionalized fluorinated spiropyrrolidine heterocyclic hybrids. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 754-761.	3.8	13
84	An Expedient Synthesis and Screening for Antiacetylcholinesterase Activity of Piperidine Embedded Novel Pentacyclic Cage Compounds. <i>Medicinal Chemistry</i> , 2014, 10, 228-236.	1.5	13
85	Biomimetic synthesis of silver nanoparticles using <i>Cucumis sativus</i> var. <i>hardwickii</i> fruit extract and their characterizations, anticancer potential and apoptosis studies against Pa-1 (Human ovarian) Tj ETQq1 1 0.784314 rgBT / Overlock	1.4	13
86	Domino four-component synthesis of novel cycloocta[b]pyridines. <i>Tetrahedron Letters</i> , 2015, 56, 179-181.	1.4	12
87	Stereoselective Synthesis of Vinyl Iodides through Copper(I)-Catalyzed Finkelstein-Type Halide-Exchange Reaction. <i>Synthesis</i> , 2017, 49, 2727-2732.	2.3	12
88	Unsupported Nanoporous Gold-Catalyzed Chemoselective Reduction of α,β -Unsaturated Aldehydes Using Formic Acid as Hydrogen Source. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 867-872.	2.7	12
89	Multicomponent Domino Synthesis, Anticancer Activity and Molecular Modeling Simulation of Complex Spirooxindolopyrrolidines. <i>Molecules</i> , 2018, 23, 1094.	3.8	12
90	Design of New Amino Tf-Amide Organocatalysts: Environmentally Benign Approach to Asymmetric Aldol Synthesis. <i>Synlett</i> , 2019, 30, 401-404.	1.8	12

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91	Multicomponent domino protocol for the stereoselective synthesis of novel pyrrolo[3,2-c]quinolinone hybrid heterocycles. <i>Tetrahedron Letters</i> , 2019, 60, 602-605.	1.4	12
92	Microwave-Assisted Copper(II)-Catalyzed Cascade Cyclization of 2-Propargylamino/Oxy-Arylaldehydes and <i>O</i> -Phenylenediamines: Access to Densely Functionalized Benzo[<i>f</i>]imidazo[1,2- <i>d</i>][1,4]Oxazepines and Benzo[<i>f</i>]imidazo[1,2- <i>d</i>][1,4]Diazepines. <i>Journal of Organic Chemistry</i> , 2022, 87, 8956-8969.	3.2	12
93	Synthesis, Spectroscopic, X-ray Diffraction and DFT Studies of Novel Benzimidazole Fused-1,4-Oxazepines. <i>Molecules</i> , 2016, 21, 724.	3.8	11
94	Practical Synthesis of both Enantiomeric Amino Acid, Mannich, and Aldol Derivatives by Asymmetric Organocatalysis. <i>Chemical Record</i> , 2017, 17, 1059-1069.	5.8	11
95	Hypervalent iodine(III) catalyzed radical hydroacylation of chiral alkylidenemalonates with aliphatic aldehydes under photolysis. <i>Tetrahedron</i> , 2017, 73, 5841-5846.	1.9	11
96	Synthesis of indole-cycloalkyl[<i>b</i>]pyridine hybrids via a four-component six-step tandem process. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 2907-2915.	2.2	11
97	Unsupported nanoporous palladium-catalyzed chemoselective hydrogenation of quinolines: Heterolytic cleavage of H ₂ molecule. <i>Chinese Journal of Catalysis</i> , 2018, 39, 1746-1752.	14.0	11
98	Highly functionalized N-1-(2-pyridinylmethyl)-3,5-bis[(<i>E</i>)-arylmethylidene]tetrahydro-4(1 <i>H</i>)-pyridinones: Synthesis, characterization, crystal structure and DFT studies. <i>Journal of Molecular Structure</i> , 2020, 1222, 128940.	3.6	11
99	Broad spectrum antimicrobial activity of dispirooxindolopyrrolidine fused acenaphthenone heterocyclic hybrid against healthcare associated microbial pathogens (HAMPs). <i>Journal of Infection and Public Health</i> , 2020, 13, 2001-2008.	4.1	11
100	Dynamic Shock Wave-Induced Switchable Phase Transition of Magnesium Sulfate Heptahydrate. <i>Crystal Growth and Design</i> , 2021, 21, 5050-5057.	3.0	11
101	A Facile Synthesis and Discovery of Highly Functionalized Tetrahydro-pyridines and Pyridines as Antimycobacterial Agents. <i>Chemical and Pharmaceutical Bulletin</i> , 2010, 58, 602-610.	1.3	10
102	Synthesis of highly functionalized 2-thiaspiro[4.5]deca-6,8-dienes via atom efficient tandem Michael addition/Thorpe-Ziegler cyclization. <i>RSC Advances</i> , 2016, 6, 40585-40592.	3.6	10
103	Rhodium-Catalyzed Oxidative Benzannulation of <i>N</i> -Pivaloylanilines with Internal Alkynes through Dual C-H Bond Activation: Synthesis of Highly Substituted Naphthalenes. <i>Chemistry - an Asian Journal</i> , 2016, 11, 3241-3250.	3.3	10
104	Synthesis of spiro-linked quinolinone-pyrrolidine/pyrrolo[1,2- <i>c</i>]thiazole-oxindole/acenaphthalene hybrids via multi-component [3+2] cycloaddition. <i>Tetrahedron Letters</i> , 2018, 59, 4086-4089.	1.4	10
105	Bio-inspired silver nanoparticles from <i>Artocarpus lakoocha</i> fruit extract and evaluation of their antibacterial activity and anticancer activity on human prostate cancer cell line. <i>Applied Nanoscience (Switzerland)</i> , 2023, 13, 3041-3051.	3.1	10
106	Characterization, antimicrobial activity and anticancer activity of <i>Pyrostegia venusta</i> leaf extract-synthesized silver nanoparticles against COS-7 cell line. <i>Applied Nanoscience (Switzerland)</i> , 2023, 13, 2303-2314.	3.1	10
107	16-[(<i>E</i>)-Benzylidene]-13-hydroxy-4-methyl-2-phenyl-4,14-diazapentacyclo-[12.3.1.01,5.05,13.07,12]octadeca-7(12),8,10-triene-6,17-dione. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o1540-o1541.	0.2	9
108	Synthesis of cycloalkano[<i>b</i>]pyridines by multicomponent strategy: ring-size mediated product selectivity, substitution-induced axial chirality and influence of the ¹⁴ N quadrupole-relaxation. <i>Tetrahedron</i> , 2016, 72, 4582-4592.	1.9	9

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109	ACI/EG eutectic mixture mediated synthesis, characterization and <i>in vitro</i> osteoblast differentiation assessment of spiropyrrrolo[1,2- <i>b</i>]isoquinoline analogues. RSC Advances, 2018, 8, 16303-16313.	3.6	9
110	A one-pot access to pyridine/benzo fused cyclododecanes via multi-component tandem reactions. Tetrahedron, 2018, 74, 4569-4577.	1.9	9
111	Raman Spectroscopic and Electrochemical Measurements of Dynamic Shocked MnFe ₂ O ₄ Nano-crystalline Materials. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 344-352.	3.7	9
112	Switchable crystal–amorphous states of NiSO ₄ ·6H ₂ O induced by a Reddy tube. New Journal of Chemistry, 2022, 46, 5091-5099.	2.8	9
113	1-Naphthol Synthesis through Base-Promoted S _N Ar Reactions of <i>ortho</i> -Haloacetophenones Followed by Lewis Acid-Catalyzed Cyclization. Asian Journal of Organic Chemistry, 2016, 5, 699-704.	2.7	8
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