Nagula Shankaraiah

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6574925/publications.pdf

Version: 2024-02-01

		81743	155451
156	4,670	39	55
papers	citations	h-index	g-index

175	175	175	3873
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent advances in multi-component reactions and their mechanistic insights: a triennium review. Organic Chemistry Frontiers, 2021, 8, 4237-4287.	2.3	158
2	Synthesis of 1,2,3-triazole-linked pyrrolobenzodiazepine conjugates employing â€˜clickâ€™ chemistry: DNA-binding affinity and anticancer activity. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 1468-1473.	1.0	145
3	Synthesis and anticancer activity of chalcone-pyrrolobenzodiazepine conjugates linked via 1,2,3-triazole ring side-armed with alkane spacers. European Journal of Medicinal Chemistry, 2011, 46, 3820-3831.	2.6	124
4	Spirooxindole-derived morpholine-fused-1,2,3-triazoles: Design, synthesis, cytotoxicity and apoptosis inducing studies. European Journal of Medicinal Chemistry, 2015, 102, 413-424.	2.6	107
5	Water mediated Heck and Ullmann couplings by supported palladium nanoparticles: importance of surface polarity of the carbon spheres. Green Chemistry, 2012, 14, 2513.	4.6	91
6	DNA-binding affinity and anticancer activity of Î²-carbolineâ€“chalcone conjugates as potential DNA intercalators: Molecular modelling and synthesis. Bioorganic Chemistry, 2015, 59, 130-139.	2.0	83
7	Synthesis and biological evaluation of new benzimidazole-thiazolidinedione hybrids as potential cytotoxic and apoptosis inducing agents. European Journal of Medicinal Chemistry, 2016, 124, 608-621.	2.6	80
8	Design and synthesis of dithiocarbamate linked Î²-carboline derivatives: DNA topoisomerase II inhibition with DNA binding and apoptosis inducing ability. Bioorganic and Medicinal Chemistry, 2015, 23, 5511-5526.	1.4	79
9	Design and synthesis of C3-tethered 1,2,3-triazolo-Î²-carboline derivatives: Anticancer activity, DNA-binding ability, viscosity and molecular modeling studies. Bioorganic Chemistry, 2016, 64, 42-50.	2.0	77
10	Solid-phase synthesis of new pyrrolobenzodiazepineâ€“chalcone conjugates: DNA-binding affinity and anticancer activity. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 2434-2439.	1.0	72
11	Design and Synthesis of C3â€Pyrazole/Chalconeâ€Linked Betaâ€Carboline Hybrids: Antitopoisomeraseâ€…I, DNAâ€Interactive, and Apoptosisâ€Inducing Anticancer Agents. ChemMedChem, 2014, 9, 2084-2098.	1.6	72
12	Novel Supramolecular Palladium Catalyst for the Asymmetric Reduction of Imines in Aqueous Media. Organic Letters, 2009, 11, 3238-3241.	2.4	71
13	Copper Oxide Nanoparticles Supported on Graphene Oxideâ€•Catalyzed Sâ€Arylation: An Efficient and Ligandâ€Free Synthesis of Aryl Sulfides. Advanced Synthesis and Catalysis, 2013, 355, 2297-2307.	2.1	69
14	Conventional and microwave-assisted synthesis of new 1 H -benzimidazole-thiazolidinedione derivatives: A potential anticancer scaffold. European Journal of Medicinal Chemistry, 2017, 138, 234-245.	2.6	66
15	Recent Advances in the Solid-Phase Combinatorial Synthetic Strategies for the Quinoxaline, Quinazoline and Benzimidazole Based Privileged Structures. Mini-Reviews in Medicinal Chemistry, 2006, 6, 71-89.	1.1	65
16	H2O-mediated isatin spiro-epoxide ring opening with NaCN: Synthesis of novel 3-tetrazolylmethyl-3-hydroxy-oxindole hybrids and their anticancer evaluation. European Journal of Medicinal Chemistry, 2015, 104, 11-24.	2.6	61
17	Exploration of carbamide derived pyrimidine-thioindole conjugates as potential VEGFR-2 inhibitors with anti-angiogenesis effect. European Journal of Medicinal Chemistry, 2020, 200, 112457.	2.6	61
18	Design, synthesis and apoptosis inducing effect of novel (Z)-3-(3â€²-methoxy-4â€²-(2-amino-2-oxoethoxy)-benzylidene)indolin-2-ones as potential antitumour agents. European Journal of Medicinal Chemistry, 2016, 118, 34-46.	2.6	60

#	Article	IF	Citations
19	Structural insights of oxindole based kinase inhibitors as anticancer agents: Recent advances. European Journal of Medicinal Chemistry, 2021, 216, 113334.	2.6	58
20	Recent Advances in the Solid-Phase Combinatorial Synthetic Strategies for the Benzodiazepine Based Privileged Structures. Mini-Reviews in Medicinal Chemistry, 2006, 6, 53-69.	1.1	56
21	evaluation and apoptosis inducing studies. European Journal of Medicinal Chemistry, 2016, 122, 584-600.	2.6	55
22	Synthesis of podophyllotoxin linked Î²-carboline congeners as potential anticancer agents and DNA topoisomerase II inhibitors. European Journal of Medicinal Chemistry, 2018, 144, 557-571.	2.6	55
23	Chemoselective Aromatic Azido Reduction with Concomitant Aliphatic Azide Employing Al/Gd Triflates/NaI and ESIâ€MS Mechanistic Studies. Chemistry - A European Journal, 2009, 15, 7215-7224.	1.7	53
24	Enantioselective total syntheses of ropivacaine and its analogues. Tetrahedron Letters, 2008, 49, 5098-5100.	0.7	52
25	Anticancer potential of spirocompounds in medicinal chemistry: A pentennial expedition. European Journal of Medicinal Chemistry, 2021, 215, 113263.	2.6	50
26	Targeting DNA Minor Groove by Hybrid Molecules as Anticancer Agents. Current Medicinal Chemistry, 2017, 24, 2887-2907.	1.2	50
27	TBAI/TBHP-catalyzed [3 + 2]cycloaddition/oxidation/aromatization cascade and online ESI-MS mechanistic studies: synthesis of pyrrolo[2,1-a]isoquinolines and indolizino[8,7-b]indoles. RSC Advances, 2016, 6, 2671-2677.	1.7	47
28	Design and Synthesis of DNAâ€Interactive Î²â€Carbolineâ€“Oxindole Hybrids as Cytotoxic and Apoptosisâ€Inducing Agents. ChemMedChem, 2018, 13, 1909-1922.	1.6	47
29	Microwave-assisted direct oxidative synthesis of Î±-ketoamides from aryl methyl ketones and amines by a water soluble Cu(<scp>i</scp>)-complex. Green Chemistry, 2016, 18, 3439-3447.	4.6	46
30	Synthesis and in vitro cytotoxicity evaluation of Î²-carboline-linked 2,4-thiazolidinedione hybrids: potential DNA intercalation and apoptosis-inducing studies. New Journal of Chemistry, 2018, 42, 16226-16236.	1.4	45
31	An insight into medicinal attributes of dithiocarbamates: Birdâ€™s eye view. Bioorganic Chemistry, 2020, 105, 104346.	2.0	45
32	Syntheses and Applications of Spirocyclopropyl Oxindoles: A Decade Review. European Journal of Organic Chemistry, 2021, 2021, 757-772.	1.2	45
33	Solid-Phase Synthesis of a Library of Pyrrolo[2,1-c][1,4]benzodiazepine-5,11-diones with Potential Antitubercular Activity. ACS Combinatorial Science, 2007, 9, 29-42.	3.3	43
34	Silver(<scp>i</scp>)-catalysed domino alkyne-annulation/Dielsâ€“Alder reaction: a mild synthetic approach to tetrahydrospiro[carbazole-4,3â€²-indoline] scaffolds. Organic Chemistry Frontiers, 2016, 3, 1503-1508.	2.3	43
35	Silver catalyzed domino aza-annulation/Dielsâ€“Alder cyclization of 2-ene-yne anilines: a facile one-pot access to carbazole, dihydrocarbazole and tetrahydrocarbazole frameworks. Chemical Communications, 2016, 52, 4581-4584.	2.2	43
36	Synthesis of 2,3,6,7-tetramethoxyphenanthren-9-amine: An efficient precursor to access new 4- aza -2,3-dihydropyridophenanthrenes as apoptosis inducing agents. European Journal of Medicinal Chemistry, 2017, 127, 305-317.	2.6	43

#	Article	IF	Citations
37	Enantioselective total synthesis of (S)-(âˆ')-quinolactacin B. Tetrahedron Letters, 2008, 49, 4289-4291.	0.7	42
38	An efficient one-pot synthesis of benzothiazolo-4Î²-anilino-podophyllotoxin congeners: DNA topoisomerase-II inhibition and anticancer activity. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 350-353.	1.0	42
39	Synthesis of 1,2,4-triazole-linked urea/thiourea conjugates as cytotoxic and apoptosis inducing agents. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 1919-1924.	1.0	42
40	Design, synthesis and anticancer evaluation of tetrahydro-Î²-carboline-hydantoin hybrids. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 5413-5417.	1.0	41
41	Cinnamide derived pyrimidine-benzimidazole hybrids as tubulin inhibitors: Synthesis, in silico and cell growth inhibition studies. Bioorganic Chemistry, 2021, 110, 104765.	2.0	41
42	Synthesis and biological evaluation of podophyllotoxin congeners as tubulin polymerization inhibitors. Bioorganic and Medicinal Chemistry, 2014, 22, 5466-5475.	1.4	40
43	An efficient one-pot decarboxylative aromatization of tetrahydro-Î²-carbolines by using N-chlorosuccinimide: total synthesis of norharmane, harmane and eudistomins. RSC Advances, 2015, 5, 90121-90126.	1.7	39
44	Synthesis of 2-aryl-1,2,4-oxadiazolo-benzimidazoles: Tubulin polymerization inhibitors and apoptosis inducing agents. Bioorganic and Medicinal Chemistry, 2015, 23, 4608-4623.	1.4	38
45	Selective reduction of aromatic azides in solution/solid-phase and resin cleavage by employing BF3Â·OEt2/EtSH. Preparation of DC-81. Tetrahedron Letters, 2006, 47, 4253-4257.	0.7	37
46	Palladiumâ€Catalyzed Aryl Cï£¿H Activation and Tandem orthoâ€Hydroxylation/Alkoxylation of 2â€Aryl Benzimidazoles: Cytotoxicity and DNAâ€Binding Studies. Asian Journal of Organic Chemistry, 2014, 3, 68-76.	1.3	37
47	Synthesis of different heterocycles-linked chalcone conjugates as cytotoxic agents and tubulin polymerization inhibitors. Bioorganic and Medicinal Chemistry, 2017, 25, 4805-4816.	1.4	36
48	Design and synthesis of substituted dihydropyrimidinone derivatives as cytotoxic and tubulin polymerization inhibitors. Bioorganic Chemistry, 2019, 93, 103317.	2.0	36
49	Design and synthesis of DNA-intercalative naphthalimide-benzothiazole/cinnamide derivatives: cytotoxicity evaluation and topoisomerase-IIÎ± inhibition. MedChemComm, 2019, 10, 72-79.	3.5	36
50	Synthesis and in vitro cytotoxicity evaluation of Î²-carboline-combretastatin carboxamides as apoptosis inducing agents: DNA intercalation and topoisomerase-II inhibition. Bioorganic and Medicinal Chemistry, 2019, 27, 3285-3298.	1.4	34
51	Sulfamic acid promoted one-pot synthesis of phenanthrene fused-dihydrodibenzo-quinolinones: Anticancer activity, tubulin polymerization inhibition and apoptosis inducing studies. Bioorganic and Medicinal Chemistry, 2018, 26, 1996-2008.	1.4	33
52	Expedition of sulfurâ€containing heterocyclic derivatives as cytotoxic agents in medicinal chemistry: A decade update. Medicinal Research Reviews, 2022, 42, 513-575.	5.0	33
53	Enantioselective total synthesis of pyrroloquinolone as a potent PDE5 inhibitor. Tetrahedron Letters, 2009, 50, 520-523.	0.7	32
54	Synthesis of Combretastatinâ€A4 Carboxamidest that Mimic Sulfonyl Piperazines by a Molecular Hybridization Approach: inâ€…vitro Cytotoxicity Evaluation and Inhibition of Tubulin Polymerization. ChemMedChem, 2019, 14, 2052-2060.	1.6	32

#	Article	IF	Citations
55	Syntheses and reactivity of spiro-epoxy/aziridine oxindole cores: developments in the past decade. Organic and Biomolecular Chemistry, 2020, 18, 8572-8596.	1.5	32
56	Synthesis of bis-1,2,3-triazolo-bridged unsymmetrical pyrrolobenzodiazepine trimers via â€˜clickâ€™ chemistry and their DNA-binding studies. Tetrahedron, 2010, 66, 5498-5506.	1.0	31
57	A one-pot â€˜clickâ€™ reaction from spiro-epoxides catalyzed by Cu(<scp>i</scp>)-pyrrolidinyl-oxazole-carboxamide. New Journal of Chemistry, 2015, 39, 3973-3981.	1.4	31
58	Î²-Carboline-based molecular hybrids as anticancer agents: a brief sketch. RSC Medicinal Chemistry, 2021, 12, 730-750.	1.7	30
59	An update on the progress of cycloaddition reactions of 3-methyleneindolinones in the past decade: versatile approaches to spirooxindoles. Organic and Biomolecular Chemistry, 2021, 19, 7768-7791.	1.5	30
60	Ru(II)-Catalyzed Regioselective Hydroxymethylation of Î²-Carbolines and Isoquinolines via Câ€“H Functionalization: Probing the Mechanism by Online ESI-MS/MS Screening. Journal of Organic Chemistry, 2019, 84, 5504-5513.	1.7	29
61	Solid-phase synthesis of fused [2,1-b]quinazolinone alkaloids. Tetrahedron Letters, 2006, 47, 9025-9028.	0.7	28
62	4Î²-[4â€²-(1-(Aryl)ureido)benzamide]podophyllotoxins as DNA topoisomerase I and IIÎ± inhibitors and apoptosis inducing agents. Bioorganic and Medicinal Chemistry, 2013, 21, 5198-5208.	1.4	28
63	Microwave-assisted one-pot synthesis of new phenanthrene fused-tetrahydrodibenzo-acridinones as potential cytotoxic and apoptosis inducing agents. European Journal of Medicinal Chemistry, 2018, 151, 173-185.	2.6	28
64	Design and synthesis of thiadiazolo-carboxamide bridged Î²-carboline-indole hybrids: DNA intercalative topo-IIÎ± inhibition with promising antiproliferative activity. Bioorganic Chemistry, 2020, 105, 104357.	2.0	28
65	Development of Î²-carboline-benzothiazole hybrids via carboxamide formation as cytotoxic agents: DNA intercalative topoisomerase IIÎ± inhibition and apoptosis induction. Bioorganic Chemistry, 2021, 106, 104481.	2.0	28
66	Synthesis of DNA-Interactive Pyrrolo[2,1-c][1,4]benzodiazepines by Employing Polymer-Supported Reagents: Preparation of DC-81. Synlett, 2004, 2004, 2533-2536.	1.0	27
67	Molecular iodine-catalysed oxidative COâ€“C(alkyl) bond cleavage of aryl/heteroaryl alkyl ketones: an efficient strategy to access fused polyheterocycles. New Journal of Chemistry, 2018, 42, 15820-15829.	1.4	27
68	Microwaveâ€Assisted Oneâ€Pot [3+2] Cycloaddition of Azomethine Ylides and 3â€Alkenyl Oxindoles: A Facile Approach to Pyrrolidineâ€Fused Bisâ€Spirooxindoles. ChemistrySelect, 2019, 4, 1727-1730.	0.7	27
69	Microwave-assisted multicomponent reactions in heterocyclic chemistry and mechanistic aspects. Beilstein Journal of Organic Chemistry, 2021, 17, 819-865.	1.3	27
70	An efficient solid-phase synthesis of biologically important DNA-interactive pyrrolo[2,1-c][1,4]benzodiazepine dimers (DSB-120) and their C2-fluorinated analogues. Tetrahedron Letters, 2006, 47, 6553-6556.	0.7	26
71	Conversion of Amines to Imines Employing Polymer-Supported Sulfoxide (PSS) and Polymer-Supported Perruthenate (PSP): Synthesis of Pyrrolo[2,1-c][1,4]benzodiazepines. Advanced Synthesis and Catalysis, 2006, 348, 249-254.	2.1	26
72	An Efficient Selective Reduction of Aromatic Azides to Amines Employing BF3Â·OEt2/NaI: Synthesis of Pyrrolobenzodiazepines. Synlett, 2008, 2008, 1297-1300.	1.0	25

#	Article	IF	Citations
73	Synthesis and biological evaluation of 4-aza-2,3-dihydropyridophenanthrolines as tubulin polymerization inhibitors. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 3356-3360.	1.0	25
74	Synthesis of substituted biphenyl methylene indolinones as apoptosis inducers and tubulin polymerization inhibitors. Bioorganic Chemistry, 2019, 86, 210-223.	2.0	25
75	Synthesis and potential cytotoxic activity of new phenanthrylphenol-pyrrolobenzodiazepines. European Journal of Medicinal Chemistry, 2010, 45, 2173-2181.	2.6	24
76	Asymmetric Michael addition of ketones to nitroolefins: pyrrolidinyl-oxazole-carboxamides as new efficient organocatalysts. Organic and Biomolecular Chemistry, 2014, 12, 8008-8018.	1.5	24
77	One-pot synthesis of podophyllotoxinâ€“thiourea congeners by employing NH2SO3H/NaI: Anticancer activity, DNA topoisomerase-II inhibition, and apoptosis inducing agents. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 4239-4244.	1.0	24
78	Synthesis of substituted phenanthrene-9-benzimidazole conjugates: Cytotoxicity evaluation and apoptosis inducing studies. European Journal of Medicinal Chemistry, 2017, 140, 128-140.	2.6	24
79	Synthesis of DNA interactive C3-trans-cinnamide linked Î²-carboline conjugates as potential cytotoxic and DNA topoisomerase I inhibitors. Bioorganic and Medicinal Chemistry, 2018, 26, 4916-4929.	1.4	24
80	Synthesis and biological evaluation of substituted N-(2-(1H-benzo[d]imidazol-2-yl)phenyl)cinnamides as tubulin polymerization inhibitors. Bioorganic Chemistry, 2020, 103, 104191.	2.0	24
81	Design and synthesis of 4â€²-O-alkylamino-tethered-benzylideneindolin-2-ones as potent cytotoxic and apoptosis inducing agents. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 4061-4069.	1.0	23
82	Iron-Mediated One-Pot Synthesis of 3,5-Diarylpyridines from Î²-Nitrostyrenes. Journal of Organic Chemistry, 2016, 81, 2159-2165.	1.7	23
83	Reliability of Click Chemistry on Drug Discovery: A Personal Account. Chemical Record, 2020, 20, 253-272.	2.9	23
84	Synthesis of Novel C3-Linked ?-Carboline-Pyridine Derivatives Employing Khronke Reaction: DNA-binding Ability and Molecular Modeling Studies. Letters in Drug Design and Discovery, 2016, 13, 335-342.	0.4	23
85	A One-Pot Azido Reductive Tandem Mono-N-Alkylation Employing Dialkylboron Triflates: Online ESI-MS Mechanistic Investigation. Journal of Organic Chemistry, 2011, 76, 7017-7026.	1.7	22
86	Synthesis of 1,2,3â€Triazoloâ€fusedâ€tetrahydroâ€Î²â€carboline Derivatives via 1,3â€Dipolar Cycloaddition Reaction: Cytotoxicity Evaluation and DNAâ€Binding studies. ChemistrySelect, 2017, 2, 7210-7221.	0.7	22
87	Diverse Targeted Approaches to Battle Multidrug Resistance in Cancer. Current Medicinal Chemistry, 2019, 26, 7059-7080.	1.2	22
88	Synthesis of C8â€“C8/C2â€“C8-linked triazolo pyrrolobenzodiazepine dimers by employing â€˜clickâ€™ chemistry and their DNA-binding affinity. Tetrahedron Letters, 2008, 49, 3620-3624.	0.7	21
89	A recyclable and water soluble copper(<scp>i</scp>)-catalyst: one-pot synthesis of 1,4-disubstituted 1,2,3-triazoles and their biological evaluation. RSC Advances, 2016, 6, 103556-103566.	1.7	20
90	Short synthesis of noscapine, bicuculline, egenine, capnoidine, and corytensine alkaloids through the addition of 1-siloxy-isobenzofurans to imines. Tetrahedron Letters, 2010, 51, 1770-1773.	0.7	19

#	Article	IF	Citations
91	Design and synthesis of 1,2,3-triazolo-phenanthrene hybrids as cytotoxic agents. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 2369-2376.	1.0	19
92	A Polymer-Assisted Solution-Phase Strategy for the Synthesis of Fused [2,1-b]Quinazolinones and the Preparation of Optically Active Vasicinone. Synlett, 2006, 2006, 2609-2612.	1.0	18
93	Enantioselective total synthesis of (S)-(+)-lennoxamine through asymmetric hydrogenation mediated by l-proline-tetrazole ruthenium catalyst. Tetrahedron Letters, 2012, 53, 3672-3675.	0.7	18
94	Dithiocarbamate/piperazine bridged pyrrolobenzodiazepines as DNA-minor groove binders: Synthesis, DNA-binding affinity and cytotoxic activity. Bioorganic Chemistry, 2015, 59, 23-30.	2.0	18
95	Iodine-mediated Câ€“N and Nâ€“N bond formation: a facile one-pot synthetic approach to 1,2,3-triazoles under metal-free and azide-free conditions. RSC Advances, 2019, 9, 27021-27031.	1.7	18
96	The microwave-assisted syntheses and applications of non-fused single-nitrogen-containing heterocycles. Organic and Biomolecular Chemistry, 2020, 18, 9737-9761.	1.5	18
97	Efficient Solid-Phase Synthesis of a Library of Imidazo[1,2-a]pyridine-8-carboxamides. ACS Combinatorial Science, 2007, 9, 267-274.	3.3	17
98	Short Total Synthesis of (-)-Lupinine and (-)-Epiquinamide by Double Mitsunobu Reaction. Synthesis, 2011, 2011, 51-56.	1.2	17
99	Î²-Carboline directed regioselective hydroxylation by employing Cu(OAc)₂ and mechanistic investigation by ESI-MS. Organic and Biomolecular Chemistry, 2020, 18, 2307-2311.	1.5	17
100	Application of Transition Metalâ€Catalyzed Câ^'H Activation Strategies in the Synthesis and Functionalization of Î²â€carbolines. Asian Journal of Organic Chemistry, 2021, 10, 1050-1066.	1.3	17
101	Unravelling KDM4 histone demethylase inhibitors for cancer therapy. Drug Discovery Today, 2021, 26, 1841-1856.	3.2	17
102	TCCA-mediated oxidative rearrangement of tetrahydro-Î²-carbolines: facile access to spirooxindoles and the total synthesis of (Â±)-coerulescine and (Â±)-horsfiline. RSC Advances, 2021, 11, 16537-16546.	1.7	16
103	A facile intramolecular azido/amido reductive cyclization approach: synthesis of pyrrolobenzodiazepines and their dimers. Tetrahedron Letters, 2008, 49, 1465-1468.	0.7	15
104	Studies towards the construction of quaternary indolizidines by [2,3]-sigmatropic rearrangement cocatalyzed by ionic liquid. Journal of the Brazilian Chemical Society, 2009, 20, 813-819.	0.6	15
105	Facile and Efficient Solid-Phase Synthesis of DNA-Interactive Pyrrolo[2,1-c][1,4]benzodiazepines. Synlett, 2004, 2004, 1841-1843.	1.0	14
106	A new approach for the solid-phase synthesis of pyrrolo[2,1-c][1,4]benzodiazepines involving reductive cleavage. Tetrahedron Letters, 2004, 45, 7667-7669.	0.7	14
107	Asymmetric syntheses of piperidino-benzodiazepines through â€˜cation-poolâ€™ host/guest supramolecular approach and their DNA-binding studies. Tetrahedron: Asymmetry, 2010, 21, 2625-2630.	1.8	14
108	Synthesis of enamino-2-oxindoles via conjugate addition between Î±-azido ketones and 3-alkenyl oxindoles: Cytotoxicity evaluation and apoptosis inducing studies. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 3564-3573.	1.0	14

#	Article	IF	Citations
109	Synthesis and biological evaluation of novel imidazo[1,2-a]pyridine-oxadiazole hybrids as anti-proliferative agents: Study of microtubule polymerization inhibition and DNA binding. Bioorganic and Medicinal Chemistry, 2021, 43, 116277.	1.4	14
110	Total Synthesis of Rutaecarpine and Analogues by Tandem Azido Reductive Cyclization Assisted by Microwave Irradiation. Synlett, 2011, 2011, 61-64.	1.0	13
111	Î²-Carboline tethered cinnamoyl 2-aminobenzamides as class I selective HDAC inhibitors: Design, synthesis, biological activities and modelling studies. Bioorganic Chemistry, 2021, 117, 105461.	2.0	13
112	AlCl3â€“NaI assisted cleavage of polymer-bound esters with concomitant amine coupling and azido-reductive cyclization: synthesis of pyrrolobenzodiazepine derivatives. Tetrahedron Letters, 2013, 54, 4435-4441.	0.7	12
113	Iodine-promoted one-pot synthesis of 1,3,4-oxadiazole scaffolds via sp³ Câ€“H functionalization of azaarenes. New Journal of Chemistry, 2019, 43, 15999-16006.	1.4	12
114	Stereoselective Aldol and Conjugate Addition Reactions Mediated by Prolineâ€Based Catalysts and Its Analogues: A Concise Review. European Journal of Organic Chemistry, 2021, 2021, 5288-5311.	1.2	12
115	Transition metal-free one-pot synthesis of substituted pyrroles by employing aza-Wittig reaction. RSC Advances, 2019, 9, 30659-30665.	1.7	11
116	Contribution of Knoevenagel Condensation Products toward the Development of Anticancer Agents: An Updated Review. ChemMedChem, 2022, 17, .	1.6	11
117	Synthesis of indolo/pyrroloazepinone-oxindoles as potential cytotoxic, DNA-intercalating and Topo I inhibitors. Bioorganic Chemistry, 2022, 122, 105706.	2.0	11
118	H₂Oâ€Mediated Epoxide Ringâ€Opening with Concomitant Câ€“S Bond Formation: A Oneâ€Pot Method to 3â€Hydroxyâ€oxindolinoâ€dithiocarbamates as Cytotoxic Agents. ChemistrySelect, 2018, 3, 6766-6774.	0.7	10
119	Lewis-acid catalyzed dehydrative [3+2] cycloaddition reaction: A facile synthetic approach to spiro-benzoindoline oxindoles. Tetrahedron Letters, 2020, 61, 152007.	0.7	10
120	FeCl 3 â€Catalyzed [3+2] Cycloaddition Reaction: A Mild Synthetic Approach to Spirooxindoloâ€2â€iminothiazolidine Scaffolds. ChemistrySelect, 2020, 5, 2886-2891.	0.7	10
121	Design and Synthesis of 5â€Morpholinoâ€Thiopheneâ€Indole/ Oxindole Hybrids as Cytotoxic Agents. ChemistrySelect, 2020, 5, 4356-4363.	0.7	10
122	Targeting tubulin polymerization and DNA binding of 4-thiazolidinoneâ€“umbelliferone hybrids: synthesis and cytotoxicity evaluation. New Journal of Chemistry, 2021, 45, 18908-18923.	1.4	10
123	Regioselective orthoâ€sulfonamidation: Exploration of Intrinsic Directing Property of Î²â€Carbolines and their Photophysical Studies. Asian Journal of Organic Chemistry, 2021, 10, 3384-3389.	1.3	10
124	Dithiocarbamation of spiro-aziridine oxindoles: a facile access to C3-functionalised 3-thiooxindoles as apoptosis inducing agents. Organic and Biomolecular Chemistry, 2021, 19, 10622-10634.	1.5	10
125	Role of histone demethylases and histone methyltransferases in triple-negative breast cancer: Epigenetic mnemonics. Life Sciences, 2022, 292, 120321.	2.0	10
126	Iodine promoted dual oxidative C(sp³)â€“H amination of 2-methyl-3-arylquinazolin-4(3H)-ones: a facile route to 1,4-diarylimidazo[1,5-a]quinazolin-5(4H)-ones. Organic and Biomolecular Chemistry, 2018, 16, 1720-1727.	1.5	9

#	Article	IF	Citations
127	Expedition to Phenanthrene Nucleus: A Twoâ€decade Research onâ€…Bench. Asian Journal of Organic Chemistry, 2021, 10, 2105-2136.	1.3	9
128	Syntheses and medicinal chemistry of azepinoindolones: a look back to leap forward. Organic and Biomolecular Chemistry, 2021, 19, 738-764.	1.5	9
129	Design, synthesis of DNA-interactive 4-thiazolidinone-based indolo-/pyrroloazepinone conjugates as potential cytotoxic and topoisomerase I inhibitors. European Journal of Medicinal Chemistry, 2022, 238, 114465.	2.6	9
130	Design, Synthesis and Biological Activity of A-C8/C-C2-Linked 6-Chloropurine-Pyrrolobenzodiazepine Hybrids as Anticancer Agents. Letters in Drug Design and Discovery, 2007, 4, 596-604.	0.4	8
131	Microwaveâ€Assisted Regioselective Friedelâ€“Crafts Arylation by BF₃â€‰â‹…â€‰OEt₂: A Facile Synthetic Access to 3â€Substitutedâ€3â€Propargyl Oxindole Scaffolds. ChemistrySelect, 2020, 5, 7004-7012.	0.7	8
132	Ring-opening cyclization of activated spiro-aziridine oxindoles with heteroarenes: a facile synthetic approach to spiro-oxindole-fused pyrroloindolines. RSC Advances, 2020, 10, 16101-16109.	1.7	8
133	Synthesis and in Vitro Cytotoxicity Evaluation of Phenanthrene Linked 2,4- Thiazolidinediones as Potential Anticancer Agents. Anti-Cancer Agents in Medicinal Chemistry, 2021, 21, 1127-1140.	0.9	8
134	Exploration of Câ€H Activation Strategies in Construction of Functionalized 2â€Aryl Benzoazoles: A Decisive Review. Asian Journal of Organic Chemistry, 2021, 10, 1986-2009.	1.3	8
135	Exploration of mercaptoacetamide-linked pyrimidine-1,3,4-oxadiazole derivatives as DNA intercalative topo II inhibitors: Cytotoxicity and apoptosis induction. Bioorganic and Medicinal Chemistry Letters, 2022, 65, 128697.	1.0	8
136	Ru(II)-Catalyzed Regioselective Câ€“N Bond Formation on Benzothiazoles Employing Acyl Azide as an Amidating Agent. ACS Omega, 2022, 7, 1299-1310.	1.6	8
137	Synthesis and Biological Activity of C-8 Fluoroaryl Substituted Pyrimidine Linked-Pyrrolobenzodiazepine Conjugates. Letters in Drug Design and Discovery, 2005, 2, 55-61.	0.4	7
138	Synthesis of (Z)-3-(arylamino)-1-(3-phenylimidazo[1,5-a]pyridin-1-yl)prop-2-en-1-ones as potential cytotoxic agents. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127432.	1.0	7
139	The Riveting Chemistry of Polyâ€azaâ€heterocycles Employing Microwave Technique: A Decade Review. European Journal of Organic Chemistry, 2021, 2021, 1476-1490.	1.2	7
140	Cyclodesulfurization: An Enabling Protocol for Synthesis of Various Heterocycles. ChemistrySelect, 2021, 6, 2621-2640.	0.7	7
141	Recent Updates on Azidoâ€reductive Cyclization Approaches: Syntheses of azaâ€Heterocyclic Frameworks. Asian Journal of Organic Chemistry, 2021, 10, 3186-3200.	1.3	7
142	One-pot, microwave-assisted copper(<scp>i</scp>)-catalysed dithiocarbamation: facile introduction of dithiocarbamate on imidazopyridines. Green Chemistry, 2022, 24, 1259-1269.	4.6	7
143	Exploration of benzimidazoles as potential microtubule modulators: An insight in the synthetic and therapeutic evolution. Journal of Molecular Structure, 2022, 1253, 132251.	1.8	7
144	Iodineâ€Mediated Oxidative Annulation by Câ€“C Cleavage: A Domino Synthetic Approach to Quinazolinones and Benzo[4,5]imidazo[1,2â€c]quinazolines. ChemistrySelect, 2020, 5, 3923-3928.	0.7	6

#	Article	IF	Citations
145	The Role of Sulphonamides and Nâ€Sulphonyl Ketimines/Aldimines as Directing Groups in the Field of Câ€“H Activation. Chemistry - an Asian Journal, 2021, 16, 1661-1684.	1.7	6
146	Effect of Sulfamic Acid on 1,3-Dipolar Cycloaddition Reaction: Mechanistic Studies and Synthesis of 4-Aryl-NH-1,2,3-triazoles from Nitroolefins. Journal of the Brazilian Chemical Society, 0, , .	0.6	5
147	Future of Drug Discovery. , 2017, , 609-629.		3
148	Polymer-supported (-)-8-phenylmenthyl Auxiliary as an Effective Solidphase Chiral Inductor in the Addition of Nucleophiles to N-acyliminium Ions. Combinatorial Chemistry and High Throughput Screening, 2017, 20, 696-702.	0.6	3
149	Brown Seaweedâ€Derived Alginic Acid: An Efficient and Reusable Catalyst for Pictetâ€Spengler Reaction to Access Tetrahydroâ€Î²â€Carboline and Tetrahydroisoquinoline Frameworks. Asian Journal of Organic Chemistry, 2022, 11, .	1.3	3
150	Ru(<scp>ii</scp>)-Catalyzed regioselective carbene insertion into Î²-carbolines and isoquinolines. Organic and Biomolecular Chemistry, 2022, 20, 5852-5860.	1.5	3
151	Synthesis of New 1,2,3-Triazolo-naphthalimide/phthalimide Conjugates via â€˜Clickâ€™ Reaction: DNA Intercalation and Cytotoxic Studies. Journal of the Brazilian Chemical Society, 2018, , .	0.6	2
152	Base-mediated 1,3-dipolar cycloaddition of pyridinium bromides with bromoallyl sulfones: a facile access to indolizine scaffolds. Organic and Biomolecular Chemistry, 2020, 18, 8694-8701.	1.5	2
153	Isolation, Synthesis and Biological Evaluation of Phenylpropanoids from the Rhizomes of Alpania galanga. Natural Product Communications, 2013, 8, 1934578X1300801.	0.2	1
154	Microwave-assisted oxidation reactions. , 2021, , 285-313.		1
155	The Expedition of Azido-reductive Cyclization Approaches towards Various Heterocycles.. Current Organic Chemistry, 2022, 26, .	0.9	1
156	Synthesis of DNA-Interactive Pyrrolo[2,1-c][1,4]benzodiazepines by Employing Polymer-Supported Reagents: Preparation of DC-81.. ChemInform, 2005, 36, no.	0.1	0