

# Kanchugarakoppal S Rangappa

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7085488/publications.pdf>

Version: 2024-02-01

192  
papers

5,589  
citations

61984

43  
h-index

118850

62  
g-index

196  
all docs

196  
docs citations

196  
times ranked

5424  
citing authors

#	ARTICLE	IF	CITATIONS
1	Endophytic Fungi as Alternative Sources of Cytotoxic Compounds: A Review. <i>Frontiers in Pharmacology</i> , 2018, 9, 309.	3.5	185
2	Antifungal Agents in Agriculture: Friends and Foes of Public Health. <i>Biomolecules</i> , 2019, 9, 521.	4.0	154
3	Development of a Novel Azaspirane That Targets the Janus Kinase-Signal Transducer and Activator of Transcription (STAT) Pathway in Hepatocellular Carcinoma in Vitro and in Vivo. <i>Journal of Biological Chemistry</i> , 2014, 289, 34296-34307.	3.4	149
4	Sodium N-Chlorobenzenesulfonamide as a Selective Oxidant for Hexosamines in Alkaline Medium: A Kinetic and Mechanistic Study. <i>Journal of Organic Chemistry</i> , 1998, 63, 531-536.	3.2	119
5	Trisubstituted-Imidazoles Induce Apoptosis in Human Breast Cancer Cells by Targeting the Oncogenic PI3K/Akt/mTOR Signaling Pathway. <i>PLoS ONE</i> , 2016, 11, e0153155.	2.5	114
6	Synthesis of new bioactive venlafaxine analogs: Novel thiazolidin-4-ones as antimicrobials. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 2290-2299.	3.0	113
7	Synthesis of pharmaceutically important condensed heterocyclic 4,6-disubstituted-1,2,4-triazolo-1,3,4-thiadiazole derivatives as antimicrobials. <i>European Journal of Medicinal Chemistry</i> , 2006, 41, 531-538.	5.5	110
8	Synthesis of 1,2-benzisoxazole tethered 1,2,3-triazoles that exhibit anticancer activity in acute myeloid leukemia cell lines by inhibiting histone deacetylases, and inducing p21 and tubulin acetylation. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 6157-6165.	3.0	100
9	Brusatol suppresses STAT3-driven metastasis by downregulating epithelial-mesenchymal transition in hepatocellular carcinoma. <i>Journal of Advanced Research</i> , 2020, 26, 83-94.	9.5	100
10	Targeting STAT3 signaling pathway in cancer by agents derived from Mother Nature. <i>Seminars in Cancer Biology</i> , 2022, 80, 157-182.	9.6	92
11	Pyrazole-based analogs as potential antibacterial agents against methicillin-resistance staphylococcus aureus (MRSA) and its SAR elucidation. <i>European Journal of Medicinal Chemistry</i> , 2021, 212, 113134.	5.5	92
12	Elicitation of resistance and associated defense responses in <i>Trichoderma hamatum</i> induced protection against pearl millet downy mildew pathogen. <i>Scientific Reports</i> , 2017, 7, 43991.	3.3	87
13	One-pot tandem approach for the synthesis of benzimidazoles and benzothiazoles from alcohols. <i>Tetrahedron Letters</i> , 2011, 52, 5571-5574.	1.4	83
14	Breast Cancer Stem-Like Cells Are Inhibited by Diosgenin, a Steroidal Saponin, by the Attenuation of the Wnt $\beta$ -Catenin Signaling via the Wnt Antagonist Secreted Frizzled Related Protein-4. <i>Frontiers in Pharmacology</i> , 2017, 8, 124.	3.5	83
15	Targeting Heparanase in Cancer: Inhibition by Synthetic, Chemically Modified, and Natural Compounds. <i>IScience</i> , 2019, 15, 360-390.	4.1	81
16	Novel 1,3,4-Oxadiazole Induces Anticancer Activity by Targeting NF- $\kappa$ B in Hepatocellular Carcinoma Cells. <i>Frontiers in Oncology</i> , 2018, 8, 42.	2.8	76
17	Synthesis and characterization of novel 6-fluoro-4-piperidinyl-1,2-benzisoxazole amides and 6-fluoro-chroman-2-carboxamides: antimicrobial studies. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 2623-2628.	3.0	71
18	Cardamonin represses proliferation, invasion, and causes apoptosis through the modulation of signal transducer and activator of transcription 3 pathway in prostate cancer. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2017, 22, 158-168.	4.9	66

#	ARTICLE	IF	CITATIONS
19	Urolithin A, a Novel Natural Compound to Target PI3K/AKT/mTOR Pathway in Pancreatic Cancer. <i>Molecular Cancer Therapeutics</i> , 2019, 18, 301-311.	4.1	64
20	Tandem approach for the synthesis of imidazo[1,2-a]pyridines from alcohols. <i>Tetrahedron Letters</i> , 2013, 54, 95-100.	1.4	63
21	Novel Synthetic Biscoumarins Target Tumor Necrosis Factor- $\alpha$ in Hepatocellular Carcinoma in Vitro and in Vivo. <i>Journal of Biological Chemistry</i> , 2014, 289, 31879-31890.	3.4	63
22	Novel synthetic coumarins that targets NF- $\kappa$ B in Hepatocellular carcinoma. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 893-897.	2.2	63
23	An Easy Access to 4,5-Disubstituted Thiazoles via Base-Induced Click Reaction of Active Methylene Isocyanides with Methyl Dithiocarboxylates. <i>Synthesis</i> , 2012, 44, 1373-1379.	2.3	60
24	Brusatol, a Nrf2 Inhibitor Targets STAT3 Signaling Cascade in Head and Neck Squamous Cell Carcinoma. <i>Biomolecules</i> , 2019, 9, 550.	4.0	59
25	Biofabrication of Zinc Oxide Nanoparticles With <i>Syzygium aromaticum</i> Flower Buds Extract and Finding Its Novel Application in Controlling the Growth and Mycotoxins of <i>Fusarium graminearum</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 1244.	3.5	58
26	A key review on oxadiazole analogs as potential methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) activity: Structure-activity relationship studies. <i>European Journal of Medicinal Chemistry</i> , 2021, 219, 113442.	5.5	58
27	Unconjugated Bilirubin exerts Pro-Apoptotic Effect on Platelets via p38-MAPK activation. <i>Scientific Reports</i> , 2015, 5, 15045.	3.3	56
28	Methotrexate Promotes Platelet Apoptosis via JNK-Mediated Mitochondrial Damage: Alleviation by N-Acetylcysteine and N-Acetylcysteine Amide. <i>PLoS ONE</i> , 2015, 10, e0127558.	2.5	55
29	Synthesis and Characterization of Novel 2-Amino-Chromene-Nitriles that Target Bcl-2 in Acute Myeloid Leukemia Cell Lines. <i>PLoS ONE</i> , 2014, 9, e107118.	2.5	54
30	A novel 4,6-disubstituted-1,2,4-triazolo-1,3,4-thiadiazole derivative inhibits tumor cell invasion and potentiates the apoptotic effect of TNF $\alpha$ by abrogating NF- $\kappa$ B activation cascade. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2017, 22, 145-157.	4.9	53
31	Antiproliferative and tumor inhibitory studies of 2,3 disubstituted 4-thiazolidinone derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 3616-3620.	2.2	52
32	A small oxazine compound as an anti-tumor agent: A novel pyranoside mimetic that binds to VEGF, HB-EGF, and TNF- $\alpha$ . <i>Cancer Letters</i> , 2010, 297, 231-243.	7.2	50
33	The $\kappa$ B Kinase Inhibitor ACHP Targets the STAT3 Signaling Pathway in Human Non-Small Cell Lung Carcinoma Cells. <i>Biomolecules</i> , 2019, 9, 875.	4.0	50
34	Benzimidazole analogues as efficient arsenals in war against methicillin-resistance <i>staphylococcus aureus</i> (MRSA) and its SAR studies. <i>Bioorganic Chemistry</i> , 2021, 115, 105175.	4.1	49
35	Synthesis and antiproliferative effect of novel 4-thiazolidinone-, pyridine- and piperazine-based conjugates on human leukemic cells. <i>European Journal of Medicinal Chemistry</i> , 2014, 81, 341-349.	5.5	48
36	Synthesis and pharmacological evaluation of novel N-alkyl/aryl substituted thiazolidinone arecoline analogues as muscarinic receptor 1 agonist in Alzheimer's dementia models. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 4848-4854.	5.5	47

#	ARTICLE	IF	CITATIONS
37	Vitexin abrogates invasion and survival of hepatocellular carcinoma cells through targeting STAT3 signaling pathway. <i>Biochimie</i> , 2020, 175, 58-68.	2.6	47
38	Heterogeneous graphitic carbon nitrides in visible-light-initiated organic transformations. <i>Green Chemistry</i> , 2022, 24, 438-479.	9.0	47
39	Cyclocondensation of Hydroxylamine with 1,3-Bis(het)arylmonothio 1,3-Diketones and 1,3-Bis(het)aryl-2-(methylthio)-2-propenones: Synthesis of 3,5-Bis(het)arylisoxazoles with Complementary Regioselectivity. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 1882-1892.	2.4	45
40	Tamarind Seed ( <i>Tamarindus indica</i> ) Extract Ameliorates Adjuvant-Induced Arthritis via Regulating the Mediators of Cartilage/Bone Degeneration, Inflammation and Oxidative Stress. <i>Scientific Reports</i> , 2015, 5, 11117.	3.3	45
41	ZrO <sub>2</sub> - $\beta$ -cyclodextrin catalyzed synthesis of 2,4,5-trisubstituted imidazoles and 1,2-disubstituted benzimidazoles under solvent free conditions and evaluation of their antibacterial study. <i>RSC Advances</i> , 2015, 5, 75533-75546.	3.6	45
42	Discovery of a small-molecule inhibitor of specific serine residue BAD phosphorylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E10505-E10514.	7.1	45
43	Synthesis, characterization and cytotoxicity studies of 1,2,3-triazoles and 1,2,4-triazolo [1,5-a] pyrimidines in human breast cancer cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 2314-2319.	2.2	45
44	Effect of novel arecoline thiazolidinones as muscarinic receptor 1 agonist in Alzheimer's dementia models. <i>Neurochemistry International</i> , 2008, 52, 376-383.	3.8	44
45	Development of Novel Triazolo-Thiadiazoles from Heterogeneous $\alpha$ -Green-Catalysis as Protein Tyrosine Phosphatase 1B Inhibitors. <i>Scientific Reports</i> , 2015, 5, 14195.	3.3	44
46	Identification of Novel Class of Triazolo-Thiadiazoles as Potent Inhibitors of Human Heparanase and their Anticancer Activity. <i>BMC Cancer</i> , 2017, 17, 235.	2.6	44
47	Screening of quinoline, 1,3-benzoxazine, and 1,3-oxazine-based small molecules against isolated methionyl-tRNA synthetase and A549 and HCT116 cancer cells including an in silico binding mode analysis. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 9381-9387.	2.8	43
48	Novel Adamantanyl-Based Thiadiazolyl Pyrazoles Targeting EGFR in Triple-Negative Breast Cancer. <i>ACS Omega</i> , 2016, 1, 1412-1424.	3.5	43
49	An azaspirane derivative suppresses growth and induces apoptosis of ER-positive and ER-negative breast cancer cells through the modulation of JAK2/STAT3 signaling pathway. <i>International Journal of Oncology</i> , 2016, 49, 1221-1229.	3.3	41
50	Synthesis and characterization of novel oxazines and demonstration that they specifically target cyclooxygenase 2. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 2931-2936.	2.2	40
51	A novel benzimidazole derivative binds to the DNA minor groove and induces apoptosis in leukemic cells. <i>RSC Advances</i> , 2015, 5, 93194-93208.	3.6	40
52	Adamantyl-tethered-biphenylic compounds induce apoptosis in cancer cells by targeting Bcl homologs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 1056-1060.	2.2	40
53	Novel Synthetic Oxazines Target NF- $\kappa$ B in Colon Cancer In Vitro and Inflammatory Bowel Disease In Vivo. <i>PLoS ONE</i> , 2016, 11, e0163209.	2.5	39
54	New cholinesterase inhibitors: synthesis and structure-activity relationship studies of 1,2-benzisoxazole series and novel imidazolyl-d2-isoxazolines. <i>Journal of Physical Organic Chemistry</i> , 2005, 18, 773-778.	1.9	37

#	ARTICLE	IF	CITATIONS
55	Synthesis, biological evaluation and <i>in silico</i> and <i>in vitro</i> mode-of-action analysis of novel dihydropyrimidones targeting PPAR- $\beta$ . RSC Advances, 2014, 4, 45143-45146.	3.6	37
56	Microwave-assisted synthesis, characterization and cytotoxic studies of novel estrogen receptor $\beta$ ligands towards human breast cancer cells. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 1804-1807.	2.2	37
57	Healthy human serum N-glycan profiling reveals the influence of ethnic variation on the identified cancer-relevant glycan biomarkers. PLoS ONE, 2018, 13, e0209515.	2.5	37
58	Paradoxical functions of long noncoding RNAs in modulating STAT3 signaling pathway in hepatocellular carcinoma. Biochimica Et Biophysica Acta: Reviews on Cancer, 2021, 1876, 188574.	7.4	37
59	Anti-Cancer Activity of 2,4-Disubstituted Thiophene Derivatives: Dual Inhibitors of Lipoxygenase and Cyclooxygenase. Medicinal Chemistry, 2015, 11, 462-472.	1.5	37
60	Synthesis and antiproliferative studies of curcumin pyrazole derivatives. Medicinal Chemistry Research, 2016, 25, 1842-1851.	2.4	36
61	A New Ibuprofen Derivative Inhibits Platelet Aggregation and ROS Mediated Platelet Apoptosis. PLoS ONE, 2014, 9, e107182.	2.5	35
62	N-Substituted Pyrido-1,4-Oxazin-3-Ones Induce Apoptosis of Hepatocellular Carcinoma Cells by Targeting NF- $\kappa$ B Signaling Pathway. Frontiers in Pharmacology, 2018, 9, 1125.	3.5	35
63	Synthesis and antiproliferative efficiency of novel bis(imidazol-1-yl)vinyl-1,2,4-oxadiazoles. New Journal of Chemistry, 2016, 40, 2823-2828.	2.8	34
64	Small molecule based five-membered heterocycles: A view of liquid crystalline properties beyond the biological applications. Journal of Molecular Liquids, 2020, 297, 111686.	4.9	34
65	Easy access for the synthesis of 2-aryl 2,3-dihydroquinazolin-4(1H)-ones using gem-dibromomethylarenes as synthetic aldehyde equivalent. RSC Advances, 2014, 4, 34479-34486.	3.6	33
66	Synthesis of novel isoxazolidine derivatives and studies for their antifungal properties. European Journal of Medicinal Chemistry, 2003, 38, 613-619.	5.5	32
67	ZrO <sub>2</sub> -supported Cu(II)-cyclodextrin complex: construction of 2,4,5-trisubstituted-1,2,3-triazoles via azide-chalcone oxidative cycloaddition and post-triazole alkylation. RSC Advances, 2014, 4, 55800-55806.	3.6	32
68	Green Synthesis of Silver Nanoparticles by Cytobacillus firmus Isolated from the Stem Bark of Terminalia arjuna and Their Antimicrobial Activity. Biomolecules, 2021, 11, 259.	4.0	31
69	A Catalyst-free Green Protocol for the Synthesis of Pyranopyrazoles Using Room Temperature Ionic Liquid Choline Chloride-urea. Journal of Heterocyclic Chemistry, 2014, 51, 1866-1870.	2.6	30
70	Effects of the multiple O-glycosylation states on antibody recognition of the immunodominant motif in MUC1 extracellular tandem repeats. MedChemComm, 2016, 7, 1102-1122.	3.4	30
71	Induction of apoptosis and downregulation of ER $\alpha$ in DMBA-induced mammary gland tumors in Sprague-Dawley rats by synthetic 3,5-disubstituted isoxazole derivatives. Molecular and Cellular Biochemistry, 2016, 420, 141-150.	3.1	30
72	Novel oxolane derivative DMTD mitigates high glucose-induced erythrocyte apoptosis by regulating oxidative stress. Toxicology and Applied Pharmacology, 2017, 334, 167-179.	2.8	30

#	ARTICLE	IF	CITATIONS
73	Bacteria as a treasure house of secondary metabolites with anticancer potential. <i>Seminars in Cancer Biology</i> , 2022, 86, 998-1013.	9.6	29
74	Anti-Tumor Activity of a Novel HS-Mimetic-Vascular Endothelial Growth Factor Binding Small Molecule. <i>PLoS ONE</i> , 2012, 7, e39444.	2.5	27
75	Synthesis and in vitro evaluation of hydrazinyl phthalazines against malaria parasite, <i>Plasmodium falciparum</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 3300-3306.	2.2	27
76	A One Pot Synthesis of Novel Bioactive Tri-Substitute-Condensed-Imidazopyridines that Targets Snake Venom Phospholipase A2. <i>PLoS ONE</i> , 2015, 10, e0131896.	2.5	26
77	Regioselective synthesis and biological studies of novel 1-aryl-3, 5-bis (het) aryl pyrazole derivatives as potential antiproliferative agents. <i>Molecular and Cellular Biochemistry</i> , 2017, 426, 149-160.	3.1	26
78	Facile synthesis of 1,4-benzodiazepine-2,5-diones and quinazolinones from amino acids as anti-tubercular agents. <i>New Journal of Chemistry</i> , 2019, 43, 182-187.	2.8	26
79	Nucleophilic aromatic substitution on ester derivatives of carcinogenic N-arylhydroxamic acids by aniline and N,N-dimethylaniline. <i>Journal of Organic Chemistry</i> , 1993, 58, 7813-7821.	3.2	25
80	A Simple Spectrophotometric Determination of Some Phenothiazine Drugs in Pharmaceutical Samples.. <i>Analytical Sciences</i> , 2000, 16, 1127-1131.	1.6	25
81	Pro-apoptotic activity of imidazole derivatives mediated by up-regulation of Bax and activation of CAD in Ehrlich Ascites Tumor cells. <i>Investigational New Drugs</i> , 2007, 25, 343-350.	2.6	25
82	A novel approach for the synthesis of imidazo and triazolopyridines from dithioesters. <i>New Journal of Chemistry</i> , 2016, 40, 7637-7642.	2.8	25
83	Platelet protective efficacy of 3,4,5 trisubstituted isoxazole analogue by inhibiting ROS-mediated apoptosis and platelet aggregation. <i>Molecular and Cellular Biochemistry</i> , 2016, 414, 137-151.	3.1	25
84	A trisubstituted pyrazole derivative reduces DMBA-induced mammary tumor growth in rats by inhibiting estrogen receptor- $\alpha$ expression. <i>Molecular and Cellular Biochemistry</i> , 2018, 449, 137-144.	3.1	25
85	Brucein D modulates MAPK signaling cascade to exert multi-faceted anti-neoplastic actions against breast cancer cells. <i>Biochimie</i> , 2021, 182, 140-151.	2.6	25
86	Crocetin imparts antiproliferative activity via inhibiting $\langle scp \rangle$ STAT3 $\langle /scp \rangle$ signaling in hepatocellular carcinoma. <i>IUBMB Life</i> , 2021, 73, 1348-1362.	3.4	25
87	Synthetic Utility of Propylphosphonic Anhydride in DMSO Media: An Efficient One-pot Three-component Synthesis of 2-Arylquinolines. <i>Chemistry Letters</i> , 2013, 42, 1073-1075.	1.3	24
88	Diastereoselective synthesis of fused oxazolidines and highly substituted 1H-pyrrolo [2,1-c][1,4]oxazines via C-H functionalization. <i>RSC Advances</i> , 2015, 5, 61664-61670.	3.6	24
89	Transition metal free intramolecular S-arylation: one-pot synthesis of thiochromen-4-ones. <i>Tetrahedron Letters</i> , 2013, 54, 6533-6537.	1.4	23
90	Highly diastereoselective synthesis of polycyclic amines via redox neutral C-H functionalization. <i>New Journal of Chemistry</i> , 2015, 39, 8397-8404.	2.8	23

#	ARTICLE	IF	CITATIONS
91	A Benzothiazole Derivative (5g) Induces DNA Damage And Potent G2/M Arrest In Cancer Cells. Scientific Reports, 2017, 7, 2533.	3.3	23
92	Cyclization of Active Methylene Isocyanides with $\hat{\pm}$ -Oxodithioesters Induced by Base: An Expedient Synthesis of 4-Methylthio/Ethoxycarbonyl-5-acylthiazoles. Synthesis, 2020, 52, 1444-1450.	2.3	23
93	Tris(dibenzylideneacetone)dipalladium(0) (Tris DBA) Abrogates Tumor Progression in Hepatocellular Carcinoma and Multiple Myeloma Preclinical Models by Regulating the STAT3 Signaling Pathway. Cancers, 2021, 13, 5479.	3.7	23
94	An Overview of Recent Developments in the Synthesis of Substituted Thiazoles. ChemistrySelect, 2020, 5, 5629-5656.	1.5	22
95	Novel Apigenin Based Small Molecule that Targets Snake Venom Metalloproteases. PLoS ONE, 2014, 9, e106364.	2.5	21
96	Synthesis and characterization of novel 1,2-oxazine-based small molecules that targets acetylcholinesterase. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 3618-3621.	2.2	21
97	A Nano-MgO and Ionic Liquid-Catalyzed $\hat{\text{C}}$ Green $\hat{\text{C}}$ ™ Synthesis Protocol for the Development of Adamantyl-Imidazo-Thiadiazoles as Anti-Tuberculosis Agents Targeting Sterol 14 $\hat{\pm}$ -Demethylase (CYP51). PLoS ONE, 2015, 10, e0139798.	2.5	21
98	Tandem approach for the synthesis of 3-sulfenylimidazo[1,5-a]pyridines from dithioesters. RSC Advances, 2016, 6, 48375-48378.	3.6	21
99	Novel PARP inhibitors sensitize human leukemic cells in an endogenous PARP activity dependent manner. RSC Advances, 2016, 6, 6308-6319.	3.6	20
100	Nano-cuprous oxide catalyzed one-pot synthesis of a carbazole-based STAT3 inhibitor: a facile approach via intramolecular C $\hat{\text{C}}$ -N bond formation reactions. RSC Advances, 2016, 6, 36775-36785.	3.6	19
101	Identification and characterization of novel SCR7 $\hat{\text{C}}$ -based small $\hat{\text{C}}$ molecule inhibitor of DNA end $\hat{\text{C}}$ joining, SCR130 and its relevance in cancer therapeutics. Molecular Carcinogenesis, 2020, 59, 618-628.	2.7	19
102	An Easy and Efficient Method for the Synthesis of Quinoxalines Using Recyclable and Heterogeneous Nanomagnetic $\hat{\text{C}}$ Supported Acid Catalyst under Solvent $\hat{\text{C}}$ Free Condition. ChemistrySelect, 2018, 3, 5228-5232.	1.5	18
103	Coumarin derivative as a potent drug candidate against triple negative breast cancer targeting the frizzled receptor of wingless-related integration site signaling pathway. Journal of Biomolecular Structure and Dynamics, 2023, 41, 1561-1573.	3.5	18
104	N-Substituted-2-butyl-5-chloro-3H-imidazole-4-carbaldehyde Derivatives as Anti-tumor Agents Against Ehrlich Ascites tumor Cells In Vivo. Medicinal Chemistry, 2007, 3, 269-276.	1.5	17
105	Novel 1,3,4-oxadiazole Targets STAT3 Signaling to Induce Antitumor Effect in Lung Cancer. Biomedicines, 2020, 8, 368.	3.2	17
106	Escaping mechanisms of ESKAPE pathogens from antibiotics and their targeting by natural compounds. Biotechnology Reports (Amsterdam, Netherlands), 2022, 34, e00728.	4.4	17
107	One-pot synthesis of 2,3-substituted benzo[b]thiophenes via Cu( $\hat{\text{C}}$ ) catalysed intramolecular cyclisation from dithioesters. RSC Advances, 2015, 5, 29939-29946.	3.6	16
108	Synthesis, antimalarial activity, and target binding of dibenzazepine-tethered isoxazolines. RSC Advances, 2015, 5, 90408-90421.	3.6	16

#	ARTICLE	IF	CITATIONS
109	Transition-metal-free solid phase synthesis of 1,2-disubstituted 4-quinolones via the regiospecific synthesis of enamines. <i>RSC Advances</i> , 2016, 6, 11528-11535.	3.6	16
110	Novel Benzoxazine-Based Aglycones Block Glucose Uptake In Vivo by Inhibiting Glycosidases. <i>PLoS ONE</i> , 2014, 9, e102759.	2.5	15
111	Acid-Catalyzed Condensation of o-Phenylenediamines and o-Aminophenols with $\alpha$ -Oxodithioesters: A Divergent and Regioselective Synthesis of 2-Methylthio-3-aryl/Heteroarylquinoxalines and 2-Acylbenzoxazoles. <i>Synthesis</i> , 2019, 51, 4205-4214.	2.3	15
112	Inhibitory effect of <i>C. zeylanicum</i> , <i>C. longa</i> , <i>O. basilicum</i> , <i>Z. officinale</i> , and <i>C. martini</i> essential oils on growth and ochratoxin A content of <i>A. ochraceus</i> and <i>P. verrucosum</i> in maize grains. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2020, 27, e00490.	4.4	15
113	3-Formylchromone Counteracts STAT3 Signaling Pathway by Elevating SHP-2 Expression in Hepatocellular Carcinoma. <i>Biology</i> , 2022, 11, 29.	2.8	15
114	A facile assay to monitor secretory phospholipase A2 using 8-anilino-1-naphthalenesulfonic acid. <i>Analytical Biochemistry</i> , 2014, 461, 27-35.	2.4	14
115	A One-Pot Tandem Approach for the Synthesis of 5-(Het)aryloxazoles from Substituted (Het)aryl Methyl Alcohols and Benzyl Bromides. <i>Synlett</i> , 2016, 27, 1363-1366.	1.8	14
116	T3P catalyzed one pot three-component synthesis of 2,3-disubstituted 3H-quinazolin-4-ones. <i>Chinese Chemical Letters</i> , 2015, 26, 963-968.	9.0	13
117	Dimethyl ester of bilirubin exhibits anti-inflammatory activity through inhibition of secretory phospholipase A2, lipoxygenase and cyclooxygenase. <i>Archives of Biochemistry and Biophysics</i> , 2016, 598, 28-39.	3.0	13
118	Effect of substituents on the rate of oxidation of anilines with peroxomonosulfate monoanion ( $\text{HOOSO}_3^-$ ) in aqueous acetonitrile: A mechanistic study. <i>International Journal of Chemical Kinetics</i> , 2005, 37, 649-657.	1.6	12
119	A non-cytotoxic N-dehydroabietylamine derivative with potent antimalarial activity. <i>Experimental Parasitology</i> , 2015, 155, 68-73.	1.2	12
120	Combinatorial Study of a Novel Poly (ADP-ribose) Polymerase Inhibitor and an HDAC Inhibitor, SAHA, in Leukemic Cell Lines. <i>Targeted Oncology</i> , 2016, 11, 655-665.	3.6	12
121	Discovery of Novel Approach for Regioselective Synthesis of Thioxotriaza-Spiro Derivatives via Oxalic Acid. <i>Synlett</i> , 2019, 30, 2004-2009.	1.8	12
122	Innovative approach for the synthesis of N-substituted amides from nitriles and alcohols using propylphosphonic anhydride ( $\text{T3P}^{\text{®}}$ ) under solvent-free conditions. <i>Synthetic Communications</i> , 2019, 49, 2106-2116.	2.1	12
123	Exploring the newer oxadiazoles as real inhibitors of human SIRT2 in hepatocellular cancer cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127330.	2.2	12
124	New Extractive Spectrophotometric Determination of Flutamide in Pure and Pharmaceutical Formulations.. <i>Analytical Sciences</i> , 2000, 16, 637-639.	1.6	11
125	Mechanistic studies of the oxidation of substituted phenethyl alcohols by N-metallo-N-haloarylsulphonamides: kinetic isotope studies. <i>Journal of Physical Organic Chemistry</i> , 2001, 14, 684-690.	1.9	11
126	Cyclization of Activated Methylene Isocyanides with Methyl N(N),N,N-Di(tri)substituted Carbamimidothioate: A Novel Entry for the Synthesis of N,1-Aryl-4-tosyl/ethoxycarbonyl-1H-imidazol-5-amines. <i>SynOpen</i> , 2019, 03, 71-76.	1.7	11



#	ARTICLE	IF	CITATIONS
127	Identification of a novel 1,2 oxazine that can induce apoptosis by targeting NF- $\kappa$ B in hepatocellular carcinoma cells. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2020, 25, e00438.	4.4	11
128	2,3,5,6-Tetramethylpyrazine Targets Epithelial-Mesenchymal Transition by Abrogating Manganese Superoxide Dismutase Expression and TGF $\beta$ <sup>2</sup> -Driven Signaling Cascades in Colon Cancer Cells. <i>Biomolecules</i> , 2022, 12, 891.	4.0	11
129	Antihyperuricemic effects of thiadiazolopyrimidin-5-one analogues in oxonate treated rats. <i>European Journal of Pharmacology</i> , 2016, 776, 99-105.	3.5	10
130	A sequential one-pot tandem approach for the synthesis of 4-tosyl-5-aryloxazoles from carboxylic acids. <i>Journal of Chemical Sciences</i> , 2018, 130, 1.	1.5	10
131	Euphorbiasteroid Abrogates EGFR and Wnt/ $\beta$ -Catenin Signaling in Non-Small-Cell Lung Cancer Cells to Impart Anticancer Activity. <i>Molecules</i> , 2022, 27, 3824.	3.8	10
132	Synthesis, characterization and in vitro evaluation of novel enantiomerically-pure sulphonamide antimalarials. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 10681-10690.	2.8	9
133	Synthetic utility of <i>gem</i> -dibromomethylarenes in organic synthesis. <i>Synthetic Communications</i> , 2019, 49, 1777-1801.	2.1	9
134	$I_2$ -Catalyzed transformation of <i>o</i> -aminobenzamide to <i>o</i> -ureidobenzonitrile using isothiocyanates. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 2678-2684.	2.8	9
135	The reaction of arylmethyl isocyanides and arylmethylamines with xanthate esters: a facile and unexpected synthesis of carbamothioates. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 159-167.	2.2	9
136	Synthesis and Biological Evaluation of Novel Thiazol-2-yl-amine Derivatives as Potential Anticancer Agents. <i>Letters in Organic Chemistry</i> , 2018, 15, 270-281.	0.5	9
137	New Heparanase-Inhibiting Triazolo-Thiadiazoles Attenuate Primary Tumor Growth and Metastasis. <i>Cancers</i> , 2021, 13, 2959.	3.7	8
138	Catalyst free sequential one-pot reaction for the synthesis of 3-indole propanoates/propanoic acid/propanamides as antituberculosis agents. <i>Journal of the Chinese Chemical Society</i> , 2021, 68, 39-44.	1.4	8
139	Identification of $\beta$ -aminopyrrolidine containing peptides as $\beta$ -amyloid aggregation inhibitors for Alzheimer's disease. <i>Journal of Peptide Science</i> , 2022, 28, e3386.	1.4	8
140	The multifaceted antineoplastic role of pyrimethamine against human malignancies. <i>IUBMB Life</i> , 2022, 74, 198-212.	3.4	8
141	Dapsone and Iminodibenzyl as Novel Reagents for the Spectrophotometric Determination of Trace Amounts of Nitrite in Water Samples.. <i>Analytical Sciences</i> , 2001, 17, 439-442.	1.6	7
142	Propylphosphonic Anhydride-catalyzed Tandem Approach for Biginelli Reaction Starting from Alcohols. <i>Chemistry Letters</i> , 2014, 43, 178-180.	1.3	7
143	Synthesis of Coumarin-benzotriazole Hybrids and Evaluation of their Anti-tubercular Activity. <i>Letters in Organic Chemistry</i> , 2017, 15, .	0.5	7
144	Triazole-Pyridine Dicarbonitrile Targets Phosphodiesterase 4 to Induce Cytotoxicity in Lung Carcinoma Cells. <i>Chemistry and Biodiversity</i> , 2019, 16, e1900234.	2.1	7

#	ARTICLE	IF	CITATIONS
145	Pyrimidine-2,4-dione targets STAT3 signaling pathway to induce cytotoxicity in hepatocellular carcinoma cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 50, 128332.	2.2	7
146	MOLPRINT 2D-based identification and synthesis of novel chromene based small molecules that target PLA2: validation through chemo- and bioinformatics approaches. <i>RSC Advances</i> , 2015, 5, 89797-89808.	3.6	6
147	Synthesis and Biological Evaluation of Theophylline Methyl 1,3,4-Oxadiazole as Anticancer Agents. <i>Russian Journal of Bioorganic Chemistry</i> , 2020, 46, 837-844.	1.0	6
148	Design and Activity of Novel Oxadiazole Based Compounds That Target Poly(ADP-ribose) Polymerase. <i>Molecules</i> , 2022, 27, 703.	3.8	6
149	Synthesis and crystal structure analysis of 2-(4-methyl-2-phenyl)-4-amino-1,2,4-triazole-3-thiol. <i>Structural Chemistry</i> , 2006, 17, 91-95.	2.0	5
150	Aqueous Chloroplatinic Acid: A Green, Chemoselective and Reusable Catalyst for the Deprotection of Acetals, Ketals, Dioxolanes and Oxathiolanes. <i>ChemistrySelect</i> , 2018, 3, 1999-2003.	1.5	5
151	Synthesis of C C, C N coupled novel substituted dibutyl benzothiazepinone derivatives and evaluation of their thrombin inhibitory activity. <i>Bioorganic Chemistry</i> , 2019, 87, 142-154.	4.1	5
152	Cyclocondensation of Sodium Azide with Methyl N(N),N'-di(tri)substituted Carbamimidothioate : A New Dimension for the Synthesis of 1,5-disubstituted Tetrazoles and Their Cytotoxicity against Human Breast Cancer Cells. <i>Current Organic Chemistry</i> , 2020, 24, 2792-2799.	1.6	5
153	Pyrrrolidine-based cationic $\hat{I}^3$ -peptide: a DNA-binding molecule works as a potent anti-gene agent. <i>Medicinal Chemistry Research</i> , 2022, 31, 507-516.	2.4	5
154	Development of 1-(4-(Substituted)piperazin-1-yl)-2-((4-methoxybenzyl)thio)pyrimidin-4-yl)oxy)ethanones That Target Poly (ADP-Ribose) Polymerase in Human Breast Cancer Cells. <i>Molecules</i> , 2022, 27, 2848.	3.8	5
155	Preparation and use of combustion derived Bi <sub>2</sub> O <sub>3</sub> for the generation of novel heterocycles via Suzuki-Coupling Reactions: potential application as anti-cancer agents. <i>RSC Advances</i> , 0, , .	3.6	4
156	Ligand- and catalyst-free intramolecular C-S bond formation: direct access to indalothiochromen-4-ones. <i>Heterocyclic Communications</i> , 2015, 21, 159-163.	1.2	4
157	Efficient One-Pot Synthesis of 3,5-Disubstituted 1,3,4-Thiadiazole from Dithioesters under Mild Condition. <i>ChemistrySelect</i> , 2019, 4, 4611-4614.	1.5	4
158	Synthesis, Cytotoxic and Heparanase Inhibition Studies of 5-oxo-1-arylpyrrolidine-3- carboxamides of Hydrazides and 4-amino-5-aryl-4H-1,2,4-triazole-3-thiol. <i>Current Organic Synthesis</i> , 2020, 17, 243-250.	1.3	4
159	Crystal Structure of 6-Pridyl-5,6-dihydrobenzo[4,5]-imidazo[1,2-c]quinazoline. <i>Analytical Sciences: X-ray Structure Analysis Online</i> , 2004, 20, X87-X88.	0.1	3
160	Crystal Structure of a Bioactive Intermediate: 1-Benzhydrylpiperazine. <i>Analytical Sciences: X-ray Structure Analysis Online</i> , 2006, 22, X41-X42.	0.1	3
161	Synthesis and X-ray crystal structure analysis of 4-(3,4-dichlorophenyl)-2-(3,4,5-trimethoxy-benzylidene)-3,4-dihydro-naphthalen-1(2H)-one: Sertraline key intermediate analog. <i>Journal of Chemical Research</i> , 2006, 2006, 730-732.	1.3	3
162	Sulfated Ceria Catalyzed Synthesis of Imidazopyridines and Their Implementation as DNA Minor Groove Binders. <i>Chemistry and Biodiversity</i> , 2019, 16, e1800435.	2.1	3

#	ARTICLE	IF	CITATIONS
163	Multi-pharmacophore Approach to Bio-therapeutics: Piperazine Bridged Pseudo-peptidic Urea/Thiourea Derivatives as Anti-oxidant Agents. <i>International Journal of Peptide Research and Therapeutics</i> , 2020, 26, 151-158.	1.9	3
164	Synthesis and biological evaluation of theophylline acetohydrazone hydrazone derivatives as antituberculosis agents. <i>Journal of the Chinese Chemical Society</i> , 2020, 67, 1453-1461.	1.4	3
165	Synthesis of bioactive quinoline acting as anticancer agents and their mode of action using in silico analysis towards Aurora kinase A inhibitors. <i>Chemical Data Collections</i> , 2021, 35, 100768.	2.3	3
166	Leelamine Exerts Antineoplastic Effects in Association with Modulating Mitogen-Activated Protein Kinase Signaling Cascade. <i>Nutrition and Cancer</i> , 2022, 74, 3375-3387.	2.0	3
167	Synthesis and X-ray Crystal Studies of 6-(2-chlorophenyl)-3-methyl[1,2,4]triazolo[4,5-b][1,3,4]thiadiazole. <i>Journal of Chemical Research</i> , 2005, 2005, 238-239.	1.3	2
168	A gradient based facile HPLC method for simultaneous estimation of antioxidants extracted from tea powder. <i>Journal of Food Science and Technology</i> , 2016, 53, 2253-2259.	2.8	2
169	Synthesis and in vitro anti-proliferative studies of new 2-(arylmethylthio)-6-ethyl-7 H-pyrrolo[2,3-d]pyrimidin-4-ols. <i>Chemical Data Collections</i> , 2018, 15-16, 223-228.	2.3	2
170	The Biomolecular Spectrum Drives Microbial Biology and Functions in Agri-Food-Environments. <i>Biomolecules</i> , 2020, 10, 401.	4.0	2
171	A Green Synthesis of 1,5-Benzodiazepines using Reusable-Heterogeneous Silica Sulfuric Acid Catalyst under Solvent-Free Conditions and their Antileukemic Activity. <i>Asian Journal of Chemistry</i> , 2021, 33, 1006-1012.	0.3	2
172	T3P®-DMSO Mediated One-pot Tandem Approach for the Synthesis of 3,4-dihydropyrimidin-2(1H)-ones/thiones from Alcohols. <i>Letters in Organic Chemistry</i> , 2018, 15, 241-245.	0.5	2
173	T3P <sup>®</sup> facilitated one pot multicomponent reaction comprising unique intra-molecular rearrangement. <i>Synthetic Communications</i> , 2022, 52, 1122-1130.	2.1	2
174	Oxidation Of Di-Peptides With Mn(III): Synthesis, Characterization And Mechanistic Study. <i>Reaction Kinetics and Catalysis Letters</i> , 2001, 72, 331-342.	0.6	1
175	Microwave-Assisted Synthesis and Crystal Structure of 2-Butyl-4-chloro-1H-imidazole-5-carboxaldehyde. <i>Analytical Sciences: X-ray Structure Analysis Online</i> , 2003, 19, X31-X32.	0.1	1
176	Synthesis and Crystal Structure of 2-(4-Bromophenyl)-3-(4-methylphenyl)-1,3-thiazolidin-4-one. <i>Analytical Sciences: X-ray Structure Analysis Online</i> , 2005, 21, X191-X192.	0.1	1
177	Crystal Structure of 3-para tolyl-6-(4'-methyl-biphenyl-2-yl)-[1,2,4]triazolo[3,4-b][1,3,4]thiadiazole. <i>Analytical Sciences: X-ray Structure Analysis Online</i> , 2006, 22, X221-X222.	0.1	1
178	Crystal Structure of 2-Ethoxy-N-[4-(pyrimidin-2-ylsulfamoyl)-phenyl]-benzamide. <i>Analytical Sciences: X-ray Structure Analysis Online</i> , 2006, 22, X235-X236.	0.1	1
179	Synthesis and Crystal Structure of 2-(4-Methoxyphenyl)-3-(3,4,5-trimethoxyphenyl)acrylonitrile. <i>Analytical Sciences: X-ray Structure Analysis Online</i> , 2006, 22, X265-X266.	0.1	1
180	Crystal Structure of 3-(2-Chloro-6-fluorophenyl)-2-(4-methoxyphenyl)-acrylonitrile. <i>Analytical Sciences: X-ray Structure Analysis Online</i> , 2006, 22, X291-X292.	0.1	1

#	ARTICLE	IF	CITATIONS
181	Synthesis and crystal structure studies of (2 <i>RS</i> )-3-[(2 <i>RS</i> )-2-(1-hydroxycyclohexyl)-2-(4-methoxyphenyl)ethyl]-2-(pyridin-3-yl)thiazolidin-4-one. Journal of Chemical Research, 2006, 2006, 312-314.	1.3	1
182	Three closely related 4,5,6,7-tetrahydro-1 <i>H</i> -pyrazolo[4,3- <i>c</i> ]pyridines: synthesis, molecular conformations and hydrogen bonding in zero, one and two dimensions. Acta Crystallographica Section C, Structural Chemistry, 2017, 73, 298-304.	0.5	1
183	Microwave-Assisted, Metal-Free, Chemoselective N-Formylation of Amines using 2-Formyl-1,3-dimethyl-1 <i>H</i> -imidazol-3-ium Iodide and In Situ Synthesis of Benzimidazole and Isocyanides. SynOpen, 2022, 06, 132-140.	1.7	1
184	Synthesis and Crystal Structure of 2-(3-Pyridyl)-3-(4-methylphenyl)-1,3-thiazolidin-4-one. Analytical Sciences: X-ray Structure Analysis Online, 2005, 21, X217-X218.	0.1	0
185	Synthesis and Crystal Structure of 3,4,5-Trimethoxybenzaldehyde oxime monohydrate. Analytical Sciences: X-ray Structure Analysis Online, 2006, 22, X161-X162.	0.1	0
186	Synthesis and Crystal Structure of 2-(4-Chlorophenyl)-3-(4-phthalamide)-1,3-thiazolidin-4-one. Analytical Sciences: X-ray Structure Analysis Online, 2006, 22, X181-X182.	0.1	0
187	Synthesis and Crystal Structure of 5-Ethyl-2-[2-(4-nitrophenoxy)ethyl]-pyridine. Analytical Sciences: X-ray Structure Analysis Online, 2006, 22, X263-X264.	0.1	0
188	Crystal Structure of Bioactive Venlafaxine Analog: 3-(2-(1-Hydroxycyclohexyl)-2-(4-methoxyphenyl)ethyl)-2-(4-hydroxyphenyl)-thiazolidin-4-one. Analytical Sciences: X-ray Structure Analysis Online, 2006, 22, X99-X100.	0.1	0
189	Synthesis and Crystal Structure of 1-Tosyl-1 <i>H</i> -[1,2,4]-triazole. Analytical Sciences: X-ray Structure Analysis Online, 2007, 23, X181-X182.	0.1	0
190	Synthesis and Cytotoxic Studies of Pyrrolopyrimidine Derivatives. Asian Journal of Chemistry, 2021, 33, 1855-1860.	0.3	0
191	T3P mediated intramolecular rearrangement of <i>o</i> -aminobenzamide to <i>o</i> -ureidobenzonitrile using isothiocyanates. Synthetic Communications, 0, , 1-9.	2.1	0
192	The crystal structure of ( <i>RS</i> )-7-chloro-2-(2,5-dimethoxyphenyl)-2,3-dihydroquinazolin-4(1 <i>H</i> )-one: two hydrogen bonds generate an elegant three-dimensional framework structure. Acta Crystallographica Section E: Crystallographic Communications, 2019, 75, 843-847.	0.5	0