

# Katharigatta N Venugopala

## List of Publications by Year in descending order

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199  
papers

4,519  
citations

159585

30  
h-index

155660

55  
g-index

207  
all docs

207  
docs citations

207  
times ranked

5001  
citing authors

#	ARTICLE	IF	CITATIONS
1	Review on Natural Coumarin Lead Compounds for Their Pharmacological Activity. BioMed Research International, 2013, 2013, 1-14.	1.9	587
2	Historical review of malarial control in southern African with emphasis on the use of indoor residual house-spraying. Tropical Medicine and International Health, 2004, 9, 846-856.	2.3	275
3	A systematic review on black pepper <i>(Piper nigrum L.)</i> : from folk uses to pharmacological applications. Critical Reviews in Food Science and Nutrition, 2019, 59, S210-S243.	10.3	178
4	Omicron variant genome evolution and phylogenetics. Journal of Medical Virology, 2022, 94, 1627-1632.	5.0	159
5	Synthesis, Antibacterial Activity of 2,4-Disubstituted Oxazoles and Thiazoles as Bioisosteres. Letters in Drug Design and Discovery, 2009, 6, 21-28.	0.7	89
6	Design, synthesis, characterization, and antibacterial activity of {5-chloro-2-[(3-substitutedphenyl-1,2,4-oxadiazol-5-yl)-methoxy]-phenyl}-(phenyl)-methanones. European Journal of Medicinal Chemistry, 2010, 45, 2677-2682.	5.5	89
7	Concomitant Polymorphism in 3-Acetylcoumarin: Role of Weak C-H...O and C-H...N Interactions. Crystal Growth and Design, 2004, 4, 1105-1107.	3.0	81
8	Preparation and Evaluation of Atorvastatin-Loaded Nanoemulgel on Wound-Healing Efficacy. Pharmaceutics, 2019, 11, 609.	4.5	67
9	Development and Optimization of Naringenin-Loaded Chitosan-Coated Nanoemulsion for Topical Therapy in Wound Healing. Pharmaceutics, 2020, 12, 893.	4.5	66
10	Repurposing of FDA-approved antivirals, antibiotics, anthelmintics, antioxidants, and cell protectives against SARS-CoV-2 papain-like protease. Journal of Biomolecular Structure and Dynamics, 2021, 39, 5129-5136.	3.5	64
11	Synthesis and antimosquito properties of 2,6-substituted benzo[d]thiazole and 2,4-substituted benzo[d]thiazole analogues against Anopheles arabiensis. European Journal of Medicinal Chemistry, 2013, 65, 295-303.	5.5	59
12	Microwave-induced synthesis of schiff bases of aminothiazolyl bromocoumarins as antibacterials. Indian Journal of Pharmaceutical Sciences, 2008, 70, 88.	1.0	53
13	New Benzothiazole-based Thiazolidinones as Potent Antimicrobial Agents. Design, synthesis and Biological Evaluation. Current Topics in Medicinal Chemistry, 2018, 18, 75-87.	2.1	51
14	Screening and Molecular Docking of Novel Benzothiazole Derivatives as Potential Antimicrobial Agents. Antibiotics, 2020, 9, 221.	3.7	50
15	Clarithromycin Solid Lipid Nanoparticles for Topical Ocular Therapy: Optimization, Evaluation and In Vivo Studies. Pharmaceutics, 2021, 13, 523.	4.5	50
16	Development of Metronidazole Loaded Chitosan Nanoparticles Using QbD Approach: A Novel and Potential Antibacterial Formulation. Pharmaceutics, 2020, 12, 920.	4.5	46
17	Nanoparticle formulation by B&uuml;chi B-90&nbsp;Nano Spray Dryer for oral mucoadhesion. Drug Design, Development and Therapy, 2015, 9, 273.	4.3	45
18	Perspectives on RNA Vaccine Candidates for COVID-19. Frontiers in Molecular Biosciences, 2021, 8, 635245.	3.5	44

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19	Synthesis, characterization and antibacterial activity of 2-[1-(5-chloro-2-methoxy-phenyl)-5-methyl-1H-pyrazol-4-yl]-5-(substituted-phenyl)-[1,3,4]oxadiazoles. European Journal of Medicinal Chemistry, 2009, 44, 4522-4527.	5.5	43
20	Molecular modeling studies and anti-TB activity of trisubstituted indolizine analogues; molecular docking and dynamic inputs. Journal of Biomolecular Structure and Dynamics, 2018, 36, 2163-2178.	3.5	43
21	Thiazole: A Versatile Standalone Moiety Contributing to the Development of Various Drugs and Biologically Active Agents. Molecules, 2022, 27, 3994.	3.8	43
22	&lt;p>&gt;Graphene-based hybrid nanoparticle of doxorubicin for cancer chemotherapy&lt;p>&gt;. International Journal of Nanomedicine, 2019, Volume 14, 7419-7429.	6.7	42
23	Development of Asialoglycoprotein Receptor-Targeted Nanoparticles for Selective Delivery of Gemcitabine to Hepatocellular Carcinoma. Molecules, 2019, 24, 4566.	3.8	42
24	Synthesis and Structural Elucidation of Novel Benzothiazole Derivatives as Anti-tubercular Agents: In-silico Screening for Possible Target Identification. Medicinal Chemistry, 2019, 15, 311-326.	1.5	41
25	Greener synthesis of indolizine analogues using water as a base and solvent: study for larvicidal activity against <i>Anopheles arabiensis</i>. Chemical Biology and Drug Design, 2016, 88, 899-904.	3.2	40
26	Design, synthesis, and characterization of (1-(4-aryl)-1<em>&lt;/em>H<em>&lt;/em>-1,2,3-triazol-4-yl)methyl, substituted phenyl-6-methyl-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylates against <em>&lt;/em>Mycobacterium tuberculosis<em>&lt;/em>. Drug Design, Development and Therapy, 2016, Volume 10, 2681-2690.	4.3	39
27	Synthesis and Antitubercular Activity of 2-((substituted) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 427 Td (phenyl/benzyl)-aminol) Chemical Biology and Drug Design, 2013, 81, 219-227.	3.2	38
28	Neurological Consequences of SARS-CoV-2 Infection and Concurrence of Treatment-Induced Neuropsychiatric Adverse Events in COVID-19 Patients: Navigating the Uncharted. Frontiers in Molecular Biosciences, 2021, 8, 627723.	3.5	37
29	ADMET Profiling in Drug Discovery and Development: Perspectives of In Silico, In Vitro and Integrated Approaches. Current Drug Metabolism, 2021, 22, 503-522.	1.2	37
30	One-pot microwave assisted synthesis and structural elucidation of novel ethyl 3-substituted-7-methylindolizine-1-carboxylates with larvicidal activity against Anopheles arabiensis. Journal of Molecular Structure, 2018, 1156, 377-384.	3.6	36
31	Antiglycation, comparative antioxidant potential, phenolic content and yield variation of essential oils from 19 exotic and endemic medicinal plants. Saudi Journal of Biological Sciences, 2019, 26, 1779-1788.	3.8	34
32	Synthesis and Characterization of Ethyl 7-Acetyl-2-substituted 3-(substituted) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (benzoyl)indolizine-1-carboxylates. Journal of Molecular Structure, 2018, 1156, 1043-1048.	0.3	33
33	Validation of rapid RP-HPLC method for concurrent quantification of amlodipine and celecoxib in pure and formulation using an experimental design. Microchemical Journal, 2020, 152, 104365.	4.5	33
34	Efficient synthesis and characterization of novel indolizines: exploration of <i>in vitro</i> COX-2 inhibitory activity and molecular modelling studies. New Journal of Chemistry, 2018, 42, 4893-4901.	2.8	32
35	Anti-Tubercular Activity of Substituted 7-Methyl and 7-Formylindolizines and In Silico Study for Prospective Molecular Target Identification. Antibiotics, 2019, 8, 247.	3.7	32
36	Experimental design, formulation and in vivo evaluation of a novel topical in situ gel system to treat ocular infections. PLoS ONE, 2021, 16, e0248857.	2.5	31

37	Cytotoxicity and Antimycobacterial Properties of Pyrrolo[1,2-a]quinoline Derivatives: Molecular Target Identification and Molecular Docking Studies. Antibiotics, 2020, 9, 233.	3.7	30
38	Computational, crystallographic studies, cytotoxicity and anti-tubercular activity of substituted 7-methoxy-indolizine analogues. PLoS ONE, 2019, 14, e0217270.	2.5	29
39	HPMC- and PLGA-Based Nanoparticles for the Mucoadhesive Delivery of Sitagliptin: Optimization and In Vivo Evaluation in Rats. Materials, 2019, 12, 4239.	2.9	29
40	A Device to Crystallize Organic Solids: Structure of Ciprofloxacin, Midazolam, and Ofloxacin as Targets. Crystal Growth and Design, 2010, 10, 1866-1870.	3.0	28
41	Effective Therapeutic Delivery and Bioavailability Enhancement of Pioglitazone Using Drug in Adhesive Transdermal Patch. Pharmaceutics, 2019, 11, 359.	4.5	28
42	Current advances in the clinical development of anti-tubercular agents. Tuberculosis, 2020, 125, 101989.	1.9	27
43	Effect of substitution on molecular conformation and packing features in a series of aryl substituted ethyl-6-methyl-4-phenyl-2-thioxo-1,2,3,4-tetrahydropyrimidine-5-carboxylates. CrystEngComm, 2010, 12, 1205.	2.6	26
44	Total synthesis of a depsidomycin analogue by convergent solid-phase peptide synthesis and macrolactonization strategy for antitubercular activity. Journal of Peptide Science, 2011, 17, 683-689.	1.4	26
45	The Possible Contribution of P-Glycoprotein in the Protective Effect of Paeonol against Methotrexate-Induced Testicular Injury in Rats. Pharmaceutics, 2020, 13, 223.	3.8	26
46	In silico Design and Synthesis of Tetrahydropyrimidinones and Tetrahydropyrimidinethiones as Potential Thymidylate Kinase Inhibitors Exerting Anti-TB Activity Against Mycobacterium tuberculosis. Drug Design, Development and Therapy, 2020, Volume 14, 1027-1039.	4.3	26
47	Benzothiazole analogs as potential anti-TB agents: computational input and molecular dynamics. Journal of Biomolecular Structure and Dynamics, 2019, 37, 1830-1842.	3.5	25
48	Anti-tubercular Potency and Computationally assessed Drug-likeness and Toxicology of Diversely Substituted Indolizines. Indian Journal of Pharmaceutical Education and Research, 2019, 53, 545-552.	0.6	25
49	Delayed presentation of prosthetic joint infection due to Listeria monocytogenes. International Journal of Clinical Practice, 2004, 58, 420-421.	1.7	24
50	Efficient Synthesis and Characterization of Novel Substituted 3-Benzoylindolizine Analogues via the Cyclization of Aromatic Cycloimmoniumylides with Electrondeficient Alkenes. Current Organic Synthesis, 2018, 15, 388-395.	1.3	24
51	Insights into conformational and packing features in a series of aryl substituted ethyl-6-methyl-4-phenyl-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylates. CrystEngComm, 2011, 13, 591-605.	2.6	23
52	Polymorphism in two biologically active dihydropyrimidinium hydrochloride derivatives: quantitative inputs towards the energetics associated with crystal packing. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2014, 70, 681-696.	1.1	23
53	Protective Effect of Spirulina platensis Extract against Dextran-Sulfate-Sodium-Induced Ulcerative Colitis in Rats. Nutrients, 2019, 11, 2309.	4.1	23
54	Anti-Tubercular Properties of 4-Amino-5-(4-Fluoro-3-Phenoxyphenyl)-4H-1,2,4-Triazole-3-Thiol and Its Schiff Bases: Computational Input and Molecular Dynamics. Antibiotics, 2020, 9, 559.	3.7	23

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55	Development and Validation of Rapid RP-HPLC and Green Second-Derivative UV Spectroscopic Methods for Simultaneous Quantification of Metformin and Remogliflozin in Formulation Using Experimental Design. <i>Separations</i> , 2020, 7, 59.	2.4	23
56	Anti-tubercular activity and molecular docking studies of indolizine derivatives targeting mycobacterial InhA enzyme. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021, 36, 1471-1486.	5.2	23
57	Current Scenario and Future Prospect in the Management of COVID-19. <i>Current Medicinal Chemistry</i> , 2020, 28, 284-307.	2.4	23
58	Design, Synthesis, Evaluation of Antimicrobial Activity and Docking Studies of New Thiazole-based Chalcones. <i>Current Topics in Medicinal Chemistry</i> , 2019, 19, 356-375.	2.1	23
59	Simultaneous Determination of Metformin and Three Gliptins in Pharmaceutical Formulations Using RP HPLC: Application to Stability Studies on Linagliptin Tablet Formulation. <i>Indian Journal of Pharmaceutical Education and Research</i> , 2014, 48, 45-53.	0.6	23
60	Design and Synthesis of Novel Indolizine Analogues as COX-2 Inhibitors: Computational Perspective and in vitro Screening. <i>Indian Journal of Pharmaceutical Education and Research</i> , 2017, 51, 452-460.	0.6	23
61	Diacerein ameliorates letrozole-induced polycystic ovarian syndrome in rats. <i>Biomedicine and Pharmacotherapy</i> , 2022, 149, 112870.	5.6	23
62	Selective COX-2 Inhibitors: Road from Success to Controversy and the Quest for Repurposing. <i>Pharmaceuticals</i> , 2022, 15, 827.	3.8	23
63	Evaluation of Halogenated Coumarins for Antimosquito Properties. <i>Scientific World Journal</i> , The, 2014, 2014, 1-6.	2.1	22
64	Adenosine A2A Receptor as a Potential Drug Target - Current Status and Future Perspectives. <i>Current Pharmaceutical Design</i> , 2019, 25, 2716-2740.	1.9	22
65	Synthesis and characterization of pyrrolo[1,2-a]quinoline derivatives for their larvicidal activity against <i>Anopheles arabiensis</i> . <i>Structural Chemistry</i> , 2020, 31, 1533-1543.	2.0	22
66	Qualitative anti-tubercular activity of synthetic ethyl 7-acetyl-2-substituted-3-(4-substituted benzoyl) indolizine-1-carboxylate analogues. <i>Journal of Applied Pharmaceutical Science</i> , 2019, 9, 124-128.	1.0	22
67	Novel Series of Methyl 3-(Substituted Benzoyl)-7-Substituted-2-Phenylindolizine-1-Carboxylates as Promising Anti-Inflammatory Agents: Molecular Modeling Studies. <i>Biomolecules</i> , 2019, 9, 661.	4.0	21
68	Reinforced electrospun nanofiber composites for drug delivery applications. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 2036-2064.	4.0	21
69	Antimicrobial and antioxidant activities of piperidine derivatives. <i>African Journal of Pharmacy and Pharmacology</i> , 2015, 9, 783-792.	0.3	20
70	Design, synthesis, and computational studies on dihydropyrimidine scaffolds as potential lipoxygenase inhibitors and cancer chemopreventive agents. <i>Drug Design, Development and Therapy</i> , 2015, 9, 911.	4.3	20
71	Synthesis, Polymorphism, and Insecticidal Activity of Methyl 4-(4-chlorophenyl)-8-(2-methyl-6-oxo-1,6-dihydro-4H-pyrimido[2,1-b]quinazolin-3-yl)-2-carboxylate Against <i>Anopheles arabiensis</i> Mosquito. <i>Chemical Biology and Drug Design</i> , 2016, 88, 88-96.	3.8	20
72	Antimycobacterial, docking and molecular dynamic studies of pentacyclic triterpenes from <i>Buddleja saligna</i> leaves. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017, 35, 2654-2664.	3.5	20

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73	Formulation and Evaluation of Self-Nanoemulsifying Drug Delivery System Derived Tablet Containing Sertraline. <i>Pharmaceutics</i> , 2022, 14, 336.	4.5	20
74	<i>In vitro</i> anti-TB properties, <i>in silico</i> target validation, molecular docking and dynamics studies of substituted 1,2,4-oxadiazole analogues against <i>Mycobacterium tuberculosis</i> . <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021, 36, 869-884.	5.2	19
75	Antimosquito Properties of 2-Substituted Phenyl/benzylamino-6-(4- Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 667 Td (chlorophyll) <i>arabiensis</i> . <i>Medicinal Chemistry</i> , 2014, 10, 211-219.	1.5	19
76	Recent insight into the biological activities and SAR of quinolone derivatives as multifunctional scaffold. <i>Bioorganic and Medicinal Chemistry</i> , 2022, 59, 116674.	3.0	19
77	Novel Therapies for the Treatment of Neuropathic Pain: Potential and Pitfalls. <i>Journal of Clinical Medicine</i> , 2022, 11, 3002.	2.4	19
78	Microwave induced synthesis, and pharmacological properties of novel 1-benzoyl-4-bromopyrrolo[1,2-a]quinoline-3-carboxylate analogues. <i>Chemical Data Collections</i> , 2020, 25, 100316.	2.3	18
79	Investigation of Antifungal Properties of Synthetic Dimethyl-4-Bromo-1-(Substituted Benzoyl) Pyrrolo[1,2-a] Quinoline-2,3-Dicarboxylates Analogues: Molecular Docking Studies and Conceptual DFT-Based Chemical Reactivity Descriptors and Pharmacokinetics Evaluation. <i>Molecules</i> , 2021, 26, 2722.	3.8	18
80	Nanotechnology Integration for SARS-CoV-2 Diagnosis and Treatment: An Approach to Preventing Pandemic. <i>Nanomaterials</i> , 2021, 11, 1841.	4.1	18
81	Development and Validation of Green UV Derivative Spectrophotometric Methods for Simultaneous Determination Metformin and Remogliflozin from Formulation: Evaluation of Greenness. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 448.	2.6	18
82	Antimicrobial and antioxidant activities of substituted halogenated coumarins. <i>Journal of Medicinal Plants Research</i> , 2014, 8, 274-281.	0.4	17
83	Design, synthesis and characterization of novel 2-(2, 3-dichlorophenyl)-5-aryl-1,3,4-oxadiazole derivatives for their anti-tubercular activity against <i>Mycobacterium tuberculosis</i> . <i>Chemical Data Collections</i> , 2020, 28, 100431.	2.3	17
84	5-Benzyliden-2-(5-methylthiazol-2-ylimino)thiazolidin-4-ones as Antimicrobial Agents. Design, Synthesis, Biological Evaluation and Molecular Docking Studies. <i>Antibiotics</i> , 2021, 10, 309.	3.7	17
85	Intranasal Delivery of Darunavir-Loaded Mucoadhesive In Situ Gel: Experimental Design, In Vitro Evaluation, and Pharmacokinetic Studies. <i>Gels</i> , 2022, 8, 342.	4.5	17
86	Larvicidal Activities of 2-Aryl-2,3-Dihydroquinazolin -4-ones against Malaria Vector <i>Anopheles arabiensis</i> , In Silico ADMET Prediction and Molecular Target Investigation. <i>Molecules</i> , 2020, 25, 1316.	3.8	16
87	New Substituted 5-Benzylideno-2-Adamantylthiazol[3,2-b][1,2,4]Triazol-6(5H)ones as Possible Anti-Inflammatory Agents. <i>Molecules</i> , 2021, 26, 659.	3.8	16
88	Development of UV spectrophotometry methods for concurrent quantification of amlodipine and celecoxib by manipulation of ratio spectra in pure and pharmaceutical formulation. <i>PLoS ONE</i> , 2019, 14, e0222526.	2.5	15
89	<p>An Efficient, Lung-Targeted, Drug-Delivery System To Treat Asthma Via Microparticles</p>. <i>Drug Design, Development and Therapy</i> , 2019, Volume 13, 4389-4403.	4.3	15
90	Progress Report: Antimicrobial Drug Discovery in the Resistance Era. <i>Pharmaceutics</i> , 2022, 15, 413.	3.8	15



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91	Membrane effects of dihydropyrimidine analogues with larvicidal activity. Colloids and Surfaces B: Biointerfaces, 2017, 150, 106-113.	5.0	14
92	Mucoadhesive Particles: A Novel, Prolonged-Release Nanocarrier of Sitagliptin for the Treatment of Diabetics. BioMed Research International, 2019, 2019, 1-9.	1.9	14
93	Tuberculosis: An Update on Pathophysiology, Molecular Mechanisms of Drug Resistance, Newer Anti-TB Drugs, Treatment Regimens and Host- Directed Therapies. Current Topics in Medicinal Chemistry, 2021, 21, 547-570.	2.1	14
94	Synthesis and characterization of a novel series of 1,4-dihydropyridine analogues for larvicidal activity against <i>Anopheles arabiensis</i> . Chemical Biology and Drug Design, 2017, 90, 397-405.	3.2	13
95	Development of validated RP HPLC method with fluorescence detection for simultaneous quantification of sacubitril and valsartan from rat plasma. Journal of Liquid Chromatography and Related Technologies, 2018, 41, 246-252.	1.0	13
96	Larvicidal study of tetrahydropyrimidine scaffolds against <i>Anopheles arabiensis</i> and structural insight by single crystal X-ray studies. Chemical Biology and Drug Design, 2018, 92, 1924-1932.	3.2	13
97	Crystallography, In Silico Studies, and In Vitro Antifungal Studies of 2,4,5 Trisubstituted 1,2,3-Triazole Analogues. Antibiotics, 2020, 9, 350.	3.7	13
98	Constant Voltage Iontophoresis Technique to Deliver Terbinafine via Transungual Delivery System: Formulation Optimization Using Box-Behnken Design and In Vitro Evaluation. Pharmaceutics, 2021, 13, 1692.	4.5	13
99	Design, synthesis, and structural elucidation of novel NmeNANAS inhibitors for the treatment of meningococcal infection. PLoS ONE, 2019, 14, e0223413.	2.5	12
100	Development of UV Spectrophotometric Procedures for Determination of Amlodipine and Celecoxib in Formulation: Use of Scaling Factor to Improve the Sensitivity. Journal of Spectroscopy, 2019, 2019, 1-10.	1.3	12
101	Adenosine receptor signalling: Probing the potential pathways for the ministration of neuropathic pain. European Journal of Pharmacology, 2020, 889, 173619.	3.5	12
102	The emerging SARS-CoV-2 papain-like protease: Its relationship with recent coronavirus epidemics. Journal of Medical Virology, 2021, 93, 1581-1588.	5.0	12
103	Immobilization studies of Candida Antarctica lipase B on gallic acid resin-grafted magnetic iron oxide nanoparticles. International Journal of Nanomedicine, 2019, Volume 14, 3235-3244.	6.7	11
104	Exploration of the Antimicrobial Effects of Benzothiazolythiazolidin-4-One and In Silico Mechanistic Investigation. Molecules, 2021, 26, 4061.	3.8	11
105	Synthetic Mono/di-halogenated Coumarin Derivatives and Their Anticancer Properties. Anti-Cancer Agents in Medicinal Chemistry, 2017, 17, 276-285.	1.7	11
106	Spray Dried Amorphous Form of Simvastatin: Preparation and Evaluation of the Buccal Tablet. Indian Journal of Pharmaceutical Education and Research, 2019, 54, 46-54.	0.6	11
107	In silico and in vitro identification of secoisolaricresinol as a re-sensitizer of P-glycoprotein-dependent doxorubicin-resistance NCI/ADR-RES cancer cells. PeerJ, 2020, 8, e9163.	2.0	11
108	Novel Drying Technology of Microsphere and Its Evaluation for Targeted Drug Delivery for Lungs. Drying Technology, 2015, 33, 502-512.	3.1	10

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109	Computational and Biological Comparisons of Plant Steroids as Modulators of Inflammation through Interacting with Glucocorticoid Receptor. Mediators of Inflammation, 2019, 2019, 1-9.	3.0	10
110	An Approach to Enhance Dissolution Rate of Tamoxifen Citrate. BioMed Research International, 2019, 2019, 1-11.	1.9	10
111	Crystallography, Molecular Modeling, and COX-2 Inhibition Studies on Indolizine Derivatives. Molecules, 2021, 26, 3550.	3.8	10
112	Interplay of Halogen and Hydrogen Bonding through Coâ€“Crystallization in Pharmacologically Active Dihydropyrimidines: Insights from Crystal Structure and Energy Framework. ChemPlusChem, 2021, 86, 1167-1176.	2.8	10
113	Determination on Vildagliptin in Rat Plasma by Capillary Electrophoresis Tandem Mass Spectrometry: Itâ€™s Application to Pharmacokinetic Study. Indian Journal of Pharmaceutical Education and Research, 2017, 51, 636-643.	0.6	10
114	Development of Ecofriendly Derivative Spectrophotometric Methods for the Simultaneous Quantitative Analysis of Remogliflozin and Vildagliptin from Formulation. Molecules, 2021, 26, 6160.	3.8	10
115	Application of Advanced Technologies in Natural Product Research: A Review with Special Emphasis on ADMET Profiling. Current Drug Metabolism, 2020, 21, 751-767.	1.2	10
116	Experimental Design Approach for Quantitative Expressions of Simultaneous Quantification of Two Binary Formulations Containing Remogliflozin and Gliptins by RP-HPLC. Separations, 2022, 9, 23.	2.4	10
117	Multifunctional Mesoporous Silica Nanoparticles for Oral Drug Delivery. Coatings, 2022, 12, 358.	2.6	10
118	The Chemical Composition of Leaf Essential Oils of <i>Psidium guajava</i> L. (White and Pink fruit) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.9	9
119	2D- and 3D-QSAR Modeling of Imidazole-Based Glutaminyl Cyclase Inhibitors. Current Computer-Aided Drug Design, 2021, 16, 682-697.	1.2	9
120	Antidiabetic Activity of Dihydropyrimidine Scaffolds and Structural Insight by Single Crystal X-ray Studies. Medicinal Chemistry, 2020, 16, 996-1003.	1.5	9
121	Eco-friendly Derivative UV Spectrophotometric Methods for Simultaneous Determination of Diclofenac Sodium and Moxifloxacin in Laboratory Mixed Ophthalmic Preparation. Indian Journal of Pharmaceutical Education and Research, 2019, 54, 166-174.	0.6	9
122	Crystal structure analysis of [5-(4-methoxyphenyl)-2-methyl-2 <i>H</i> -1,2,3-triazol-4-yl](thiophen-2-yl)methanone. Acta Crystallographica Section E: Crystallographic Communications, 2018, 74, 1178-1181.	0.5	8
123	Chemistry, anti-diabetic activity and structural analysis of substituted dihydropyrimidine analogues. Journal of Molecular Structure, 2021, 1227, 129412.	3.6	8
124	4-Aryl-1,4-Dihydropyridines as Potential Enoyl-Acyl Carrier Protein Reductase Inhibitors: Antitubercular Activity and Molecular Docking Study. Current Topics in Medicinal Chemistry, 2021, 21, 295-306.	2.1	8
125	The Potential Application of Novel Drug Delivery Systems for Phytopharmaceuticals and Natural Extracts â€“ Current Status and Future Perspectives. Mini-Reviews in Medicinal Chemistry, 2021, 21, 2731-2746.	2.4	8
126	Discovery of benzothiazole-based thiazolidinones as potential anti-inflammatory agents: anti-inflammatory activity, soybean lipoxygenase inhibition effect and molecular docking studies. SAR and QSAR in Environmental Research, 2022, 33, 485-497.	2.2	8



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127	Synthesis and anthelmintic activity of some novel (E)-2-methyl/propyl-4-(2-(substitutedbenzylidene)hydrazinyl)-5,6,7,8-tetrahydrobenzo[4,5]thieno[2,3-d]pyrimidine. <i>Medicinal Chemistry Research</i> , 2020, 29, 1600-1610.	2.4	7
128	A Rapid HPLC Method for the Concurrent Determination of Several Antihypertensive Drugs from Binary and Ternary Formulations. <i>Separations</i> , 2021, 8, 86.	2.4	7
129	Novel Preparation and Effective Delivery of Mucoadhesive Nanoparticles Containing Anti-diabetic Drug. <i>Indian Journal of Pharmaceutical Education and Research</i> , 2019, 53, s43-s49.	0.6	7
130	Environmental sustainable mathematically processed UV spectroscopic methods for quality control analysis of remogliflozin and teneligliptin: Evaluation of greenness and whiteness. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 278, 121303.	3.9	7
131	Quantitative Analysis of Intermolecular Interactions in 7-Hydroxy-4-methyl-2H-chromen-2-one and Its Hydrate. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2014, 84, 281-295.	1.2	6
132	Monitoring of Non-β-Lactam Antibiotic Resistance-Associated Genes in ESBL Producing Enterobacterales Isolates. <i>Antibiotics</i> , 2020, 9, 884.	3.7	6
133	Smart UV Derivative Spectrophotometric Methods for Simultaneous Determination of Metformin and Remogliflozin: Development, Validation and Application to the Formulation. <i>Indian Journal of Pharmaceutical Education and Research</i> , 2023, 55, s293-s302.	0.6	6
134	An Experimental Design Approach to Quantitative Expression for Quality Control of a Multicomponent Antidiabetic Formulation by the HILIC Method. <i>Molecules</i> , 2022, 27, 3135.	3.8	6
135	1,5-Benzothiazepine Derivatives: Green Synthesis, In Silico and In Vitro Evaluation as Anticancer Agents. <i>Molecules</i> , 2022, 27, 3757.	3.8	6
136	Trifluoroacetic Acid: An Efficient Catalyst for Paal-Knorr Pyrrole Synthesis and Its Deprotection. <i>Asian Journal of Chemistry</i> , 2013, 25, 8685-8689.	0.3	5
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139	Doxorubicin Hydrochloride Loaded Polyanhydride Nanoformulations and Cytotoxicity. <i>Indian Journal of Pharmaceutical Education and Research</i> , 2021, 55, 117-125.	0.6	5
140	Structural investigation of methyl 3-(4-fluorobenzoyl)-7-methyl-2-phenylindolizine-1-carboxylate, an inhibitory drug towards <i>Mycobacterium tuberculosis</i> . <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2020, 76, 567-571.	0.5	5
141	Formulation and Evaluation of Tamoxifen Citrate Loaded Transdermal Reservoir Gel Drug Delivery Systems. <i>Indian Journal of Pharmaceutical Education and Research</i> , 2019, 53, s596-s606.	0.6	5
142	Design, Synthesis and Characterization of Benzothiazole Analogues as Promising Pharmacological Agents. <i>Journal of Young Pharmacists</i> , 2017, 9, 158-161.	0.2	5
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147	(2-(Benzo[d]thiazol-2-yl-methoxy)-5-chlorophenyl)(phenyl)methanone. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o3125-o3125.	0.2	4
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