

# Paola Gratteri

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6767934/publications.pdf>

Version: 2024-02-01

138  
papers

3,970  
citations

94381

37  
h-index

161767

54  
g-index

141  
all docs

141  
docs citations

141  
times ranked

4147  
citing authors

#	ARTICLE	IF	CITATIONS
1	Central Nicotinic Receptors: Structure, Function, Ligands, and Therapeutic Potential. <i>ChemMedChem</i> , 2007, 2, 746-767.	1.6	168
2	The crystal structure of human telomeric DNA complexed with berberine: an interesting case of stacked ligand to G-tetrad ratio higher than 1:1. <i>Nucleic Acids Research</i> , 2013, 41, 632-638.	6.5	129
3	Novel 4/3-((4-oxo-5-(2-oxoindolin-3-ylidene)thiazolidin-2-ylidene)amino) benzenesulfonamides: Synthesis, carbonic anhydrase inhibitory activity, anticancer activity and molecular modelling studies. <i>European Journal of Medicinal Chemistry</i> , 2017, 139, 250-262.	2.6	110
4	Spectroscopic, Molecular Modeling, and NMR-Spectroscopic Investigation of the Binding Mode of the Natural Alkaloids Berberine and Sanguinarine to Human Telomeric G-Quadruplex DNA. <i>ACS Chemical Biology</i> , 2012, 7, 1109-1119.	1.6	102
5	Benzenesulfonamides Incorporating Flexible Triazole Moieties Are Highly Effective Carbonic Anhydrase Inhibitors: Synthesis and Kinetic, Crystallographic, Computational, and Intraocular Pressure Lowering Investigations. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 10692-10704.	2.9	93
6	Determinants for Tight and Selective Binding of a Medicinal Dicarbene Gold(I) Complex to a Telomeric DNA G-Quadruplex: a Joint ESI MS and XRD Investigation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4256-4259.	7.2	93
7	Total Syntheses of Casuarine and Its 6-O-Glucoside: Complementary Inhibition towards Glycoside Hydrolases of the GH31 and GH37 Families. <i>Chemistry - A European Journal</i> , 2009, 15, 1627-1636.	1.7	92
8	Enhancement of the tail hydrophobic interactions within the carbonic anhydrase IX active site via structural extension: Design and synthesis of novel N-substituted isatins-SLC-0111 hybrids as carbonic anhydrase inhibitors and antitumor agents. <i>European Journal of Medicinal Chemistry</i> , 2019, 162, 147-160.	2.6	81
9	Sulfonamide Inhibitors of Human Carbonic Anhydrases Designed through a Three-Tails Approach: Improving Ligand/Isoform Matching and Selectivity of Action. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 7422-7444.	2.9	75
10	Steroids interfere with human carbonic anhydrase activity by using alternative binding mechanisms. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 1453-1459.	2.5	69
11	A Novel Selective GABA <sub>A</sub> Receptor Agonist Displaying Sedative and Anxiolytic-like Properties in Rodents. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 6756-6760.	2.9	68
12	Enhanced curcumin permeability by SLN formulation: The PAMPA approach. <i>LWT - Food Science and Technology</i> , 2016, 66, 475-483.	2.5	66
13	Experimental design in the development of voltammetric method for the assay of omeprazole. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1996, 14, 881-889.	1.4	63
14	Insight into 2-phenylpyrazolo[1,5-a]pyrimidin-3-yl acetamides as peripheral benzodiazepine receptor ligands: Synthesis, biological evaluation and 3D-QSAR investigation. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 4821-4834.	1.4	63
15	Deciphering the Mechanism of Human Carbonic Anhydrases Inhibition with Sulfocoumarins: Computational and Experimental Studies. <i>Chemistry - A European Journal</i> , 2018, 24, 7840-7844.	1.7	62
16	Discovery of New Sulfonamide Carbonic Anhydrase IX Inhibitors Incorporating Nitrogenous Bases. <i>ACS Medicinal Chemistry Letters</i> , 2017, 8, 1314-1319.	1.3	61
17	Dual-tail arylsulfone-based benzenesulfonamides differently match the hydrophobic and hydrophilic halves of human carbonic anhydrases active sites: Selective inhibitors for the tumor-associated hCA IX isoform. <i>European Journal of Medicinal Chemistry</i> , 2018, 152, 1-9.	2.6	60
18	Phosphorus versus Sulfur: Discovery of Benzenephosphonamidates as Versatile Sulfonamide Mimic Chemotypes Acting as Carbonic Anhydrase Inhibitors. <i>Chemistry - A European Journal</i> , 2019, 25, 1188-1192.	1.7	59

#	ARTICLE	IF	CITATIONS
19	Novel indolin-2-one-based sulfonamides as carbonic anhydrase inhibitors: Synthesis, in vitro biological evaluation against carbonic anhydrases isoforms I, II, IV and VII and molecular docking studies. <i>European Journal of Medicinal Chemistry</i> , 2017, 127, 521-530.	2.6	56
20	Selenols: a new class of carbonic anhydrase inhibitors. <i>Chemical Communications</i> , 2019, 55, 648-651.	2.2	56
21	Discovery of $\hat{I}^2$ -Adrenergic Receptors Blocker "Carbonic Anhydrase Inhibitor Hybrids for Multitargeted Antiglaucoma Therapy. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 5380-5394.	2.9	53
22	Tuning the Activity of Zn(II) Complexes in DNA Cleavage: Clues for Design of New Efficient Metallo-Hydrolases. <i>Inorganic Chemistry</i> , 2008, 47, 5473-5484.	1.9	52
23	Solution NMR Structure of a Ligand/Hybrid $\hat{I}^2$ -G-Quadruplex Complex Reveals Rearrangements that Affect Ligand Binding. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7102-7106.	7.2	52
24	3-Hydrazinoisatin-based benzenesulfonamides as novel carbonic anhydrase inhibitors endowed with anticancer activity: Synthesis, in vitro biological evaluation and in silico insights. <i>European Journal of Medicinal Chemistry</i> , 2019, 184, 111768.	2.6	49
25	Structural Investigation of the 7-Chloro-3-hydroxy-1H-quinazoline-2,4-dione Scaffold to Obtain AMPA and Kainate Receptor Selective Antagonists. Synthesis, Pharmacological, and Molecular Modeling Studies. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 6015-6026.	2.9	48
26	X-Ray diffraction analyses of the natural isoquinoline alkaloids Berberine and Sanguinarine complexed with double helix DNA d(CGACG). <i>Chemical Communications</i> , 2011, 47, 4917.	2.2	48
27	4-Hydroxy-3-nitro-5-ureido-benzenesulfonamides Selectively Target the Tumor-Associated Carbonic Anhydrase Isoforms IX and XII Showing Hypoxia-Enhanced Antiproliferative Profiles. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 10860-10874.	2.9	48
28	Synthesis, Biological Evaluation and Docking Studies of Casuarine Analogues: Effects of Structural Modifications at Ring B on Inhibitory Activity Towards Glucoamylase. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 5574-5585.	1.2	47
29	Benzoxaboroles as Efficient Inhibitors of the $\hat{I}^2$ -Carbonic Anhydrases from Pathogenic Fungi: Activity and Modeling Study. <i>ACS Medicinal Chemistry Letters</i> , 2017, 8, 1194-1198.	1.3	47
30	Determinants for Tight and Selective Binding of a Medicinal Dicarbene Gold(I) Complex to a Telomeric DNA $\hat{I}^2$ -Quadruplex: a Joint ESI MS and XRD Investigation. <i>Angewandte Chemie</i> , 2016, 128, 4328-4331.	1.6	45
31	Dithiocarbamates effectively inhibit the $\hat{I}^2$ -carbonic anhydrase from the dandruff-producing fungus <i>Malassezia globosa</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 1260-1265.	1.4	45
32	3-Methylthiazolo[3,2-a]benzimidazole-benzenesulfonamide conjugates as novel carbonic anhydrase inhibitors endowed with anticancer activity: Design, synthesis, biological and molecular modeling studies. <i>European Journal of Medicinal Chemistry</i> , 2020, 207, 112745.	2.6	45
33	Sulfonamide-based ring-fused analogues for CAN508 as novel carbonic anhydrase inhibitors endowed with antitumor activity: Design, synthesis, and in vitro biological evaluation. <i>European Journal of Medicinal Chemistry</i> , 2020, 189, 112019.	2.6	42
34	Inhibition of <i>Malassezia globosa</i> carbonic anhydrase with phenols. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 2577-2582.	1.4	41
35	Compatibility Studies of Multicomponent Tablet Formulations. DSC and experimental mixture design. <i>Magyar Árvad Kémizlemények</i> , 2002, 68, 541-551.	1.4	38
36	Use of Innovative (Micro)Extraction Techniques to Characterise <i>Harpagophytum procumbens</i> Root and its Commercial Food Supplements. <i>Phytochemical Analysis</i> , 2018, 29, 233-241.	1.2	38

#	ARTICLE	IF	CITATIONS
37	Continued exploration and tail approach synthesis of benzenesulfonamides containing triazole and dual triazole moieties as carbonic anhydrase I, II, IV and IX inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2019, 183, 111698.	2.6	38
38	Synthesis, biological and molecular dynamics investigations with a series of triazolopyrimidine/triazole-based benzenesulfonamides as novel carbonic anhydrase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2020, 185, 111843.	2.6	38
39	Novel 3-substituted coumarins as selective human carbonic anhydrase IX and XII inhibitors: Synthesis, biological and molecular dynamics analysis. <i>European Journal of Medicinal Chemistry</i> , 2021, 209, 112897.	2.6	38
40	Synthesis and Benzodiazepine Receptor Affinity of Pyrazolo[1,5-a]pyrimidine Derivatives. 3. New 6-(3-Thienyl) Series as $\pm 1$ Selective Ligands. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 310-313.	2.9	36
41	Interaction of a gold( $\text{I}$ ) dicarbene anticancer drug with human telomeric DNA G-quadruplex: solution and computationally aided X-ray diffraction analysis. <i>Dalton Transactions</i> , 2018, 47, 16132-16138.	1.6	35
42	Selective Inhibition of <i>Helicobacter pylori</i> Carbonic Anhydrases by Carvacrol and Thymol Could Impair Biofilm Production and the Release of Outer Membrane Vesicles. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11583.	1.8	35
43	Field Interaction and Geometrical Overlap: A New Simplex and Experimental Design Based Computational Procedure for Superposing Small Ligand Molecules. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 1359-1371.	2.9	34
44	Selective binding and fluorescence sensing of diphosphate in $\text{H}_2\text{O}$ via $\text{Zn}^{2+}$ -induced allosteric regulation of the receptor structure. <i>Chemical Communications</i> , 2012, 48, 139-141.	2.2	33
45	Inhibition of the $\beta$ -carbonic anhydrase from the dandruff-producing fungus <i>Malassezia globosa</i> with monothiocarbamates. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2017, 32, 1064-1070.	2.5	33
46	Simultaneous determination of otilonium bromide and diazepam by high performance liquid chromatography. <i>International Journal of Pharmaceutics</i> , 1991, 71, 1-5.	2.6	32
47	Natural Polyphenols Selectively Inhibit $\beta$ -Carbonic Anhydrase from the Dandruff-Producing Fungus <i>Malassezia globosa</i> : Activity and Modeling Studies. <i>ChemMedChem</i> , 2018, 13, 816-823.	1.6	32
48	2-Benzylpiperazine: A new scaffold for potent human carbonic anhydrase inhibitors. Synthesis, enzyme inhibition, enantioselectivity, computational and crystallographic studies and <i>in vivo</i> activity for a new class of intraocular pressure lowering agents. <i>European Journal of Medicinal Chemistry</i> , 2018, 151, 363-375.	2.6	29
49	Perfluoroalkyl Substances of Significant Environmental Concern Can Strongly Inhibit Human Carbonic Anhydrase Isozymes. <i>Analytical Chemistry</i> , 2020, 92, 4614-4622.	3.2	28
50	DNA Binding by a New Metallointercalator that Contains a Proflavine Group Bearing a Hanging Chelating Unit. <i>Chemistry - A European Journal</i> , 2008, 14, 184-196.	1.7	27
51	Metal Ion Binding by a G-2 Poly(ethylene imine) Dendrimer. Ion-Directed Self-Assembling of Hierarchical Mono- and Two-Dimensional Nanostructured Materials. <i>Inorganic Chemistry</i> , 2013, 52, 2125-2137.	1.9	27
52	Synthesis, biological evaluation and computational studies of novel iminothiazolidinone benzenesulfonamides as potent carbonic anhydrase II and IX inhibitors. <i>Bioorganic Chemistry</i> , 2018, 77, 381-386.	2.0	27
53	The antibiotic furagin and its derivatives are isoform-selective human carbonic anhydrase inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020, 35, 1011-1020.	2.5	27
54	Experimental design strategies in the optimization and robustness testing of adsorptive stripping voltammetric conditions for kynurenic acid determination. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1997, 15, 1585-1594.	1.4	26

#	ARTICLE	IF	CITATIONS
55	Bioisosteric Development of Multitarget Nonsteroidal Anti-Inflammatory Drug-Carbonic Anhydrases Inhibitor Hybrids for the Management of Rheumatoid Arthritis. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 2325-2342.	2.9	26
56	Design and optimization of the variables in the adsorptive stripping voltammetric determination of rifloxacin in tablets, human plasma and urine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1995, 13, 431-438.	1.4	25
57	Benzoxaboroles: New Potent Inhibitors of the Carbonic Anhydrases of the Pathogenic Bacterium <i>Vibrio cholerae</i> . <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 2277-2284.	1.3	25
58	Solution and Solid-State Analysis of Binding of 13-Substituted Berberine Analogues to Human Telomeric G-Quadruplexes. <i>Chemistry - an Asian Journal</i> , 2016, 11, 1107-1115.	1.7	24
59	Tales of the Unexpected: The Case of Zirconium(IV) Complexes with Desferrioxamine. <i>Molecules</i> , 2019, 24, 2098.	1.7	24
60	Induction of a Four-Way Junction Structure in the DNA Palindromic Hexanucleotide 5-(CGTACG)-3 by a Mononuclear Platinum Complex. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9378-9382.	7.2	24
61	Identification of N-phenyl-2-(phenylsulfonyl)acetamides/propanamides as new SLC-0111 analogues: Synthesis and evaluation of the carbonic anhydrase inhibitory activities. <i>European Journal of Medicinal Chemistry</i> , 2021, 218, 113360.	2.6	24
62	Insights into docking and scoring neuronal $\alpha 4\beta 2$ nicotinic receptor agonists using molecular dynamics simulations and QM/MM calculations. <i>Journal of Computational Chemistry</i> , 2009, 30, 2443-2454.	1.5	23
63	Assessment of human telomeric G-quadruplex structures using surface-enhanced Raman spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 2285-2295.	1.9	23
64	Synthesis and carbonic anhydrase inhibition of polycyclic imides incorporating N-benzenesulfonamide moieties. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 5373-5379.	1.4	23
65	4-Substituted benzenesulfonamides featuring cyclic imides moieties exhibit potent and isoform-selective carbonic anhydrase II/IX inhibition. <i>Bioorganic Chemistry</i> , 2019, 83, 198-204.	2.0	23
66	Interactions of selected gold(III) complexes with DNA G quadruplexes. <i>Dalton Transactions</i> , 2015, 44, 3633-3639.	1.6	22
67	Synthesis, biological evaluation and in silico studies with 4-benzylidene-2-phenyl-5(4H)-imidazolone-based benzenesulfonamides as novel selective carbonic anhydrase IX inhibitors endowed with anticancer activity. <i>Bioorganic Chemistry</i> , 2019, 90, 103102.	2.0	21
68	Novel Diamide-Based Benzenesulfonamides as Selective Carbonic Anhydrase IX Inhibitors Endowed with Antitumor Activity: Synthesis, Biological Evaluation and In Silico Insights. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2484.	1.8	21
69	N-Nitrosulfonamides as Carbonic Anhydrase Inhibitors: A Promising Chemotype for Targeting Chagas Disease and Leishmaniasis. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 413-418.	1.3	21
70	Sensing Zn <sup>2+</sup> in Aqueous Solution with a Fluorescent Scorpionand Macrocyclic Ligand Decorated with an Anthracene Bearing Tail. <i>Molecules</i> , 2020, 25, 1355.	1.7	21
71	Solution NMR Structure of a Ligand/Hybrid G-Quadruplex Complex Reveals Rearrangements that Affect Ligand Binding. <i>Angewandte Chemie</i> , 2017, 129, 7208-7212.	1.6	20
72	Pyridine Derivative of the Natural Alkaloid Berberine as Human Telomeric G <sub>4</sub> -DNA Binder: A Solution and Solid-State Study. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 645-650.	1.3	20

#	ARTICLE	IF	CITATIONS
73	Optimization by experimental design of the adsorptive stripping voltammetric parameters in the determination of cinoxacin. <i>Electroanalysis</i> , 1995, 7, 1161-1164.	1.5	19
74	Novel benzenesulfonamides aryl and arylsulfone conjugates adopting tail/dual tail approaches: Synthesis, carbonic anhydrase inhibitory activity and molecular modeling studies. <i>European Journal of Medicinal Chemistry</i> , 2021, 221, 113486.	2.6	19
75	The three-tails approach as a new strategy to improve selectivity of action of sulphonamide inhibitors against tumour-associated carbonic anhydrase IX and XII. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2022, 37, 930-939.	2.5	19
76	Diversity-oriented syntheses of 7-substituted lentiginosines. <i>Tetrahedron</i> , 2011, 67, 9555-9564.	1.0	18
77	Appraisal of anti-protozoan activity of nitroaromatic benzenesulfonamides inhibiting carbonic anhydrases from <i>Trypanosoma cruzi</i> and <i>Leishmania donovani</i> . <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2019, 34, 1164-1171.	2.5	18
78	Polypharmacology of epacadostat: a potent and selective inhibitor of the tumor associated carbonic anhydrases IX and XII. <i>Chemical Communications</i> , 2019, 55, 5720-5723.	2.2	18
79	$\hat{I}_{\pm}, \hat{I}_{\pm}^3$ -Diketocarboxylic Acids and Their Esters Act as Carbonic Anhydrase IX and XII Selective Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 661-665.	1.3	18
80	Ninhydrins inhibit carbonic anhydrases directly binding to the metal ion. <i>European Journal of Medicinal Chemistry</i> , 2021, 209, 112875.	2.6	18
81	Simultaneous determination of aspirin, codeine phosphate and propyphenazone in tablets by reversed-phase high-performance liquid chromatography. <i>International Journal of Pharmaceutics</i> , 1992, 80, 263-266.	2.6	16
82	Determination of some quinolones in tablets, human plasma and urine by differential-pulse polarography. <i>International Journal of Pharmaceutics</i> , 1994, 111, 83-87.	2.6	16
83	Phenyl(thio)phosphon(amid)ate Benzenesulfonamides as Potent and Selective Inhibitors of Human Carbonic Anhydrases II and VII Counteract Allodynia in a Mouse Model of Oxaliplatin-Induced Neuropathy. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 5185-5200.	2.9	16
84	Characterization of <i>Sanguinaria canadensis</i> L. fluid extract by FAB mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1991, 9, 1083-1087.	1.4	15
85	New docking CFF91 parameters specific for cyclodextrin inclusion complexes. <i>Chemical Physics Letters</i> , 2003, 370, 280-292.	1.2	14
86	Synthesis, SAR and in vitro evaluation of new cyclic Arg-Gly-Asp pseudopentapeptides containing a s-cis peptide bond as integrin $\hat{I}_{\pm}v1^23$ and $\hat{I}_{\pm}v1^25$ ligands. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 4262-4271.	1.4	14
87	A highly pH-sensitive Zn(ii) chemosensor. <i>Dalton Transactions</i> , 2010, 39, 7080.	1.6	14
88	Binding of H <sup>+</sup> and Zn(ii) ions with a new fluorescent macrocyclic phenanthroline. <i>Dalton Transactions</i> , 2010, 39, 10128.	1.6	14
89	DNA interaction with Ru(ii) and Ru(ii)/Cu(ii) complexes containing azamacrocycle and dppz residues. A thermodynamic, kinetic and theoretical study.. <i>Dalton Transactions</i> , 2010, 39, 9838.	1.6	14
90	Novel insights on saccharin- and acesulfame-based carbonic anhydrase inhibitors: design, synthesis, modelling investigations and biological activity evaluation. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020, 35, 1891-1905.	2.5	14

#	ARTICLE	IF	CITATIONS
91	Inhibition of $\hat{1}$ ±-, $\hat{1}$ ²- and $\hat{1}$ ³-carbonic anhydrases from the pathogenic bacterium <i>Vibrio cholerae</i> with aromatic sulphonamides and clinically licenced drugs – a joint docking/molecular dynamics study. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021, 36, 469-479.	2.5	14
92	Experimental design and multivariate calibration in the development, set-up and validation of a differential pulse polarographic and UV spectrophotometric method for the simultaneous plasmatic determination of the therapeutic metronidazole–pefloxacin combination. <i>Analyst</i> , The, 1999, 124, 1683-1688.	1.7	13
93	Determination of benzalkonium chloride in contact lens solutions by positive-ion fast atom bombardment mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1989, 7, 1611-1616.	1.4	12
94	Benzodiazepine receptor ligands. <i>Il Farmaco</i> , 1999, 54, 375-389.	0.9	12
95	Modeling and Biological Investigations of an Unusual Behavior of Novel Synthesized Acridine-Based Polyamine Ligands in the Binding of Double Helix and G-Quadruplex DNA. <i>ChemMedChem</i> , 2010, 5, 1995-2005.	1.6	12
96	Lipoyl-Homotaurine Derivative (ADM_12) Reverts Oxaliplatin-Induced Neuropathy and Reduces Cancer Cells Malignancy by Inhibiting Carbonic Anhydrase IX (CAIX). <i>Journal of Medicinal Chemistry</i> , 2017, 60, 9003-9011.	2.9	12
97	Natural inspired ligustrazine-based SLC-0111 analogues as novel carbonic anhydrase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2022, 228, 114008.	2.6	12
98	Determination of atropine sulphate and benzalkonium chloride in eye drops by HPLC. <i>International Journal of Pharmaceutics</i> , 1993, 93, 239-243.	2.6	11
99	Hypericins and thioredoxin reductase: Biochemical and docking studies disclose the molecular basis for effective inhibition by naphthodianthrones. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 631-641.	1.4	11
100	Role of the Benzodioxole Group in the Interactions between the Natural Alkaloids Chelerythrine and Coptisine and the Human Telomeric G-Quadruplex DNA. A Multiapproach Investigation. <i>Journal of Natural Products</i> , 2017, 80, 3128-3135.	1.5	11
101	Solid State and Solution Study on the Formation of Inorganic Anion Complexes with a Series of Tetrazine-Based Ligands. <i>Molecules</i> , 2019, 24, 2247.	1.7	11
102	Novel benzenesulfonamide-bearing pyrazoles and 1,2,4-thiadiazoles as selective carbonic anhydrase inhibitors. <i>Archiv Der Pharmazie</i> , 2022, 355, e2100241.	2.1	11
103	Synthesis of new 1,3-dicyclohexyl barbituric acid derivatives with anti-inflammatory potential activity. <i>European Journal of Medicinal Chemistry</i> , 1990, 25, 197-201.	2.6	10
104	From random to rational: A discovery approach to selective subnanomolar inhibitors of human carbonic anhydrase IV based on the Castagnoli-Cushman multicomponent reaction. <i>European Journal of Medicinal Chemistry</i> , 2019, 182, 111642.	2.6	10
105	Simultaneous determination of naphazoline and diphenhydramine hydrochlorides in nasal drops by second-order derivative UV spectroscopy. <i>International Journal of Pharmaceutics</i> , 1989, 50, 75-78.	2.6	9
106	Searching for a Reliable Orientation of Ligands in Their Binding Site: A Comparison between a Structure-Based (Glide) and a Ligand-Based (FIGO) Approach in the Case Study of PDE4 Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 1657-1665.	2.9	9
107	Antagonism/Agonism Modulation to Build Novel Antihypertensives Selectively Triggering $\hat{1}$ ₁ Receptor Activation. <i>ACS Medicinal Chemistry Letters</i> , 2015, 6, 496-501.	1.3	9
108	$\hat{1}$ ₂₃-Adrenoreceptor Activity Limits Apigenin Efficacy in Ewing Sarcoma Cells: A Dual Approach to Prevent Cell Survival. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2149.	1.8	9

#	ARTICLE	IF	CITATIONS
109	Discovery of first-in-class multi-target adenosine A2A receptor antagonists-carbonic anhydrase IX and XII inhibitors. 8-Amino-6-aryl-2-phenyl-1,2,4-triazolo [4,3-a]pyrazin-3-one derivatives as new potential antitumor agents. <i>European Journal of Medicinal Chemistry</i> , 2020, 201, 112478.	2.6	9
110	Simultaneous UV spectrophotometric determination of procaine hydrochloride and phenazone in an otic formulation. <i>International Journal of Pharmaceutics</i> , 1990, 64, 235-238.	2.6	8
111	Adsorptive stripping voltammetry for thiomersal assay. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1994, 12, 273-276.	1.4	7
112	Bis(2-pyridylmethyl)alkyl(thioalkyl)diamines as promising scaffolds for the construction of fluorescent and redox chemosensors for transition and post-transition metal ions. <i>Inorganica Chimica Acta</i> , 2012, 381, 170-180.	1.2	7
113	Thermodynamic and fluorescence emission properties of the Zn(II), Cd(II) and Pb(II) complexes with a fluorescent chelator bearing phenanthroline and naphthalene subunits. <i>Inorganica Chimica Acta</i> , 2012, 381, 229-235.	1.2	7
114	[Au(9- <i>methylcaffein</i> ylidene)] <sub>2</sub> <sup>+</sup> /DNA Tel23 System: Solution, Computational, and Biological Studies. <i>Chemistry - A European Journal</i> , 2017, 23, 13784-13791.	1.7	7
115	Differential pulse polarographic determination of total benzophenanthridinium alkaloids in <i>Sanguinaria</i> extract-based oral rinses. <i>International Journal of Pharmaceutics</i> , 1988, 46, 255-260.	2.6	6
116	Differential-pulse adsorptive stripping voltammetry of chlorhexidine. <i>Analyst</i> , 1991, 116, 723.	1.7	6
117	Anion and ion-pair binding by a G-2 poly(ethylene imine) dendrimer. <i>Dalton Transactions</i> , 2013, 42, 12130.	1.6	6
118	New Rigid Nicotine Analogues, Carrying a Norbornane Moiety, Are Potent Agonists of $\alpha 7$ and $\alpha 3^*$ Nicotinic Receptors. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 1887-1901.	2.9	6
119	Synthesis and Biological Evaluation of Novel 9-Heteroaryl Substituted 7-Chloro-4,5-dihydro-4-oxo-1,2,4-triazolo[1,5-a]quinoxaline-2-carboxylates (TQX) as (R,S)-2-amino-3-(3-hydroxy-5-methylisoxazol-4-yl)propionic Acid (AMPA) Receptor Antagonists. <i>Chemical and Pharmaceutical Bulletin</i> , 2008, 56, 1085-1091.	0.6	5
120	Insights into the Conformational Switching Mechanism of the Human Vascular Endothelial Growth Factor Receptor Type 2 Kinase Domain. <i>Journal of Chemical Information and Modeling</i> , 2012, 52, 483-491.	2.5	5
121	Halogenated isophthalamides and dipicolineamides: the role of the halogen substituents in the anion binding properties. <i>Dalton Transactions</i> , 2020, 49, 9231-9238.	1.6	5
122	Aryl-4,5-dihydro-1H-pyrazole-1-carboxamide Derivatives Bearing a Sulfonamide Moiety Show Single-digit Nanomolar-to-Subnanomolar Inhibition Constants against the Tumor-associated Human Carbonic Anhydrases IX and XII. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2621.	1.8	5
123	Copper(II) ion-selective sensor with electrolytically plated chalcogenide coating. <i>Sensors and Actuators B: Chemical</i> , 1992, 7, 544-548.	4.0	4
124	Stability Prediction of cefazolin sodium and Cephaloridine in solid state. <i>Drug Development and Industrial Pharmacy</i> , 1994, 20, 2299-2313.	0.9	4
125	Cation, Anion and Ion-Pair Complexes with a G-3 Poly(ethylene imine) Dendrimer in Aqueous Solution. <i>Molecules</i> , 2017, 22, 816.	1.7	4
126	Induction of a Four-Way Junction Structure in the DNA Palindromic Hexanucleotide 5'- <i>CGTACG</i> -3' by a Mononuclear Platinum Complex. <i>Angewandte Chemie</i> , 2019, 131, 9478-9482.	1.6	4

#	ARTICLE	IF	CITATIONS
127	Synthesis, Computational Studies and Assessment of <i>in Vitro</i> Activity of Squalene Derivatives as Carbonic Anhydrase Inhibitors. <i>ChemMedChem</i> , 2020, 15, 2052-2057.	1.6	4
128	Design, synthesis and binding affinity of new nicotinic ligands. <i>Arkivoc</i> , 2006, 2006, 50-65.	0.3	4
129	Effect of structure levels on surface-enhanced Raman scattering of human telomeric G-quadruplexes in diluted and crowded media. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 5197-5207.	1.9	3
130	Calixarenes Incorporating Sulfonamide Moieties: Versatile Ligands for Carbonic Anhydrases Inhibition. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	3
131	Differential electrolytic potentiometry (DEP) with twin silver-silver sulphide membrane electrodes in micro titration of quaternary ammonium compounds. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1988, 6, 957-961.	1.4	2
132	FILo (field interaction ligand optimization): a simplex strategy for searching the optimal ligand interaction field in drug design. <i>Journal of Computer-Aided Molecular Design</i> , 2001, 15, 57-66.	1.3	2
133	Discovery of New 1,1'-Biphenyl-4-sulfonamides as Selective Subnanomolar Human Carbonic Anhydrase II Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 633-637.	1.3	2
134	Carbonic anhydrases from pathogens. , 2019, , 419-448.		1
135	2-(2-Hydroxyethyl)piperazine derivatives as potent human carbonic anhydrase inhibitors: Synthesis, enzyme inhibition, computational studies and antiglaucoma activity. <i>European Journal of Medicinal Chemistry</i> , 2022, 228, 114026.	2.6	1
136	Computationally enhanced X-ray diffraction analysis of a gold(III) complex interacting with the human telomeric DNA G-quadruplex. Unravelling non-unique ligand positioning. <i>International Journal of Biological Macromolecules</i> , 2022, 211, 506-513.	3.6	1
137	Chromatographic analysis of picotamide and its impurities. <i>International Journal of Pharmaceutics</i> , 1989, 52, 225-229.	2.6	0
138	3D-QSAR, GRID Descriptors and Chemometric Tools in the Development of Selective Antagonists of Muscarinic Receptor. , 2000, , 334-335.		0