Paola Gratteri

List of Publications by Year
in descending order

138 papers	3,970 citations	94433 37 h-index	161849 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. ChemMedChem, 2007, 2, 746-767.	3.2	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. Nucleic Acids Research, 2013, 41, 632-638.	14.5	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. European Journal of Medicinal Chemistry, 2017, 139, 250-262.	5.5	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. ACS Chemical Biology, 2012, 7, 1109-1119.	3.4	102
5	Benzenesulfonamides Incorporating Flexible Triazole Moieties Are Highly Effective Carbonic Anhydrase Inhibitors: Synthesis and Kinetic, Crystallographic, Computational, and Intraocular Pressure Lowering Investigations. Journal of Medicinal Chemistry, 2016, 59, 10692-10704.	6.4	93
6	Determinants for Tight and Selective Binding of a Medicinal Dicarbene Gold(I) Complex to a Telomeric DNA Gâ€Quadruplex: a Joint ESI MS and XRD Investigation. Angewandte Chemie - International Edition, 2016, 55, 4256-4259.	13.8	93
7	Total Syntheses of Casuarine and Its 6â€Oâ€Glucoside: Complementary Inhibition towards Glycoside Hydrolases of the GH31 and GH37 Families. Chemistry - A European Journal, 2009, 15, 1627-1636.	3.3	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. European Journal of Medicinal Chemistry, 2019, 162, 147-160.	5.5	81
9	Sulfonamide Inhibitors of Human Carbonic Anhydrases Designed through a Three-Tails Approach: Improving Ligand/Isoform Matching and Selectivity of Action. Journal of Medicinal Chemistry, 2020, 63, 7422-7444.	6.4	75
10	Steroids interfere with human carbonic anhydrase activity by using alternative binding mechanisms. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 1453-1459.	5.2	69
11	A Novel Selective GABAAÎ±1 Receptor Agonist Displaying Sedative and Anxiolytic-like Properties in Rodents. Journal of Medicinal Chemistry, 2005, 48, 6756-6760.	6.4	68
12	Enhanced curcumin permeability by SLN formulation: The PAMPA approach. LWT - Food Science and Technology, 2016, 66, 475-483.	5.2	66
13	Experimental design in the development of voltammetric method for the assay of omeprazole. Journal of Pharmaceutical and Biomedical Analysis, 1996, 14, 881-889.	2.8	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. Bioorganic and Medicinal Chemistry, 2005, 13, 4821-4834.	3.0	63
15	Deciphering the Mechanism of Human Carbonic Anhydrases Inhibition with Sulfocoumarins: Computational and Experimental Studies. Chemistry - A European Journal, 2018, 24, 7840-7844.	3.3	62
16	Discovery of New Sulfonamide Carbonic Anhydrase IX Inhibitors Incorporating Nitrogenous Bases. ACS Medicinal Chemistry Letters, 2017, 8, 1314-1319.	2.8	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. European Journal of Medicinal Chemistry, 2018, 152, 1-9.	5.5	60
18	Phosphorus versus Sulfur: Discovery of Benzenephosphonamidates as Versatile Sulfonamideâ€Mimic Chemotypes Acting as Carbonic Anhydrase Inhibitors. Chemistry - A European Journal, 2019, 25, 1188-1192.	3.3	59

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19	Novel indolin-2-one-based sulfonamides as carbonic anhydrase inhibitors: Synthesis, inÂvitro biological evaluation against carbonic anhydrases isoforms I, II, IV and VII and molecular docking studies. European Journal of Medicinal Chemistry, 2017, 127, 521-530.	5.5	56
20	Selenols: a new class of carbonic anhydrase inhibitors. Chemical Communications, 2019, 55, 648-651.	4.1	56
21	Discovery of Î²-Adrenergic Receptors Blockerâ€“Carbonic Anhydrase Inhibitor Hybrids for Multitargeted Antiglaucoma Therapy. Journal of Medicinal Chemistry, 2018, 61, 5380-5394.	6.4	53
22	Tuning the Activity of Zn(II) Complexes in DNA Cleavage: Clues for Design of New Efficient Metallo-Hydrolases. Inorganic Chemistry, 2008, 47, 5473-5484.	4.0	52
23	Solution NMR Structure of a Ligand/Hybridâ€2â€Gâ€Quadruplex Complex Reveals Rearrangements that Affect Ligand Binding. Angewandte Chemie - International Edition, 2017, 56, 7102-7106.	13.8	52
24	3-Hydrazinoisatin-based benzenesulfonamides as novel carbonic anhydrase inhibitors endowed with anticancer activity: Synthesis, inÂvitro biological evaluation and in silico insights. European Journal of Medicinal Chemistry, 2019, 184, 111768.	5.5	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. Journal of Medicinal Chemistry, 2006, 49, 6015-6026.	6.4	48
26	X-Ray diffraction analyses of the natural isoquinoline alkaloids Berberine and Sanguinarine complexed with double helix DNA d(CGTACG). Chemical Communications, 2011, 47, 4917.	4.1	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. Journal of Medicinal Chemistry, 2018, 61, 10860-10874.	6.4	48
28	Synthesis, Biological Evaluation and Docking Studies of Casuarine Analogues: Effects of Structural Modifications at Ring B on Inhibitory Activity Towards Glucoamylase. European Journal of Organic Chemistry, 2010, 2010, 5574-5585.	2.4	47
29	Benzoxaboroles as Efficient Inhibitors of the Î²-Carbonic Anhydrases from Pathogenic Fungi: Activity and Modeling Study. ACS Medicinal Chemistry Letters, 2017, 8, 1194-1198.	2.8	47
30	Determinants for Tight and Selective Binding of a Medicinal Dicarbene Gold(I) Complex to a Telomeric DNA Gâ€Quadruplex: a Joint ESI MS and XRD Investigation. Angewandte Chemie, 2016, 128, 4328-4331.	2.0	45
31	Dithiocarbamates effectively inhibit the Î²-carbonic anhydrase from the dandruff-producing fungus Malassezia globosa. Bioorganic and Medicinal Chemistry, 2017, 25, 1260-1265.	3.0	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. European Journal of Medicinal Chemistry, 2020, 207, 112745.	5.5	45
33	Sulfonamide-based ring-fused analogues for CAN508 as novel carbonic anhydrase inhibitors endowed with antitumor activity: Design, synthesis, and inÂvitro biological evaluation. European Journal of Medicinal Chemistry, 2020, 189, 112019.	5.5	42
34	Inhibition of Malassezia globosa carbonic anhydrase with phenols. Bioorganic and Medicinal Chemistry, 2017, 25, 2577-2582.	3.0	41
35	Compatibility Studies of Multicomponent Tablet Formulations. DSC and experimental mixture design. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 2002, 68, 541-551.	1.4	38
36	Use of Innovative (Micro)Extraction Techniques to Characterise <scp>Harpagophytum procumbens</scp> Root and its Commercial Food Supplements. Phytochemical Analysis, 2018, 29, 233-241.	2.4	38

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37	Continued exploration and tail approach synthesis of benzenesulfonamides containing triazole and dual triazole moieties as carbonic anhydrase I, II, IV and IX inhibitors. European Journal of Medicinal Chemistry, 2019, 183, 111698.	5.5	38
38	Synthesis, biological and molecular dynamics investigations with a series of triazolopyrimidine/triazole-based benzenesulfonamides as novel carbonic anhydrase inhibitors. European Journal of Medicinal Chemistry, 2020, 185, 111843.	5.5	38
39	Novel 3-substituted coumarins as selective human carbonic anhydrase IX and XII inhibitors: Synthesis, biological and molecular dynamics analysis. European Journal of Medicinal Chemistry, 2021, 209, 112897.	5.5	38
40	Synthesis and Benzodiazepine Receptor Affinity of Pyrazolo[1,5-a]pyrimidine Derivatives. 3. New 6-(3-Thienyl) Series as Î±1 Selective Ligands. Journal of Medicinal Chemistry, 2003, 46, 310-313.	6.4	36
41	Interaction of a gold(<scp>i</scp>) dicarbene anticancer drug with human telomeric DNA G-quadruplex: solution and computationally aided X-ray diffraction analysis. Dalton Transactions, 2018, 47, 16132-16138.	3.3	35
42	Selective Inhibition of Helicobacter pylori Carbonic Anhydrases by Carvacrol and Thymol Could Impair Biofilm Production and the Release of Outer Membrane Vesicles. International Journal of Molecular Sciences, 2021, 22, 11583.	4.1	35
43	Field Interaction and Geometrical Overlap:Â A New Simplex and Experimental Design Based Computational Procedure for Superposing Small Ligand Molecules. Journal of Medicinal Chemistry, 2003, 46, 1359-1371.	6.4	34
44	Selective binding and fluorescence sensing of diphosphate in H₂OviaZn²⁺-induced allosteric regulation of the receptor structure. Chemical Communications, 2012, 48, 139-141.	4.1	33
45	Inhibition of the Î²-carbonic anhydrase from the dandruff-producing fungusMalassezia globosawith monothiocarbamates. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 1064-1070.	5.2	33
46	Simultaneous determination of otilonium bromide and diazepam by high performance liquid chromatography. International Journal of Pharmaceutics, 1991, 71, 1-5.	5.2	32
47	Natural Polyphenols Selectively Inhibit Î²â€Carbonic Anhydrase from the Dandruffâ€Producing Fungus Malassezia globosa: Activity and Modeling Studies. ChemMedChem, 2018, 13, 816-823.	3.2	32
48	2-Benzylpiperazine: A new scaffold for potent human carbonic anhydrase inhibitors. Synthesis, enzyme inhibition, enantioselectivity, computational and crystallographic studies and inÂvivo activity for a new class of intraocular pressure lowering agents. European Journal of Medicinal Chemistry, 2018, 151, 363-375.	5.5	29
49	Perfluoroalkyl Substances of Significant Environmental Concern Can Strongly Inhibit Human Carbonic Anhydrase Isozymes. Analytical Chemistry, 2020, 92, 4614-4622.	6.5	28
50	DNA Binding by a New Metallointercalator that Contains a Proflavine Group Bearing a Hanging Chelating Unit. Chemistry - A European Journal, 2008, 14, 184-196.	3.3	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. Inorganic Chemistry, 2013, 52, 2125-2137.	4.0	27
52	Synthesis, biological evaluation and computational studies of novel iminothiazolidinone benzenesulfonamides as potent carbonic anhydrase II and IX inhibitors. Bioorganic Chemistry, 2018, 77, 381-386.	4.1	27
53	The antibiotic furagin and its derivatives are isoform-selective human carbonic anhydrase inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 1011-1020.	5.2	27
54	Experimental design strategies in the optimization and robustness testing of adsorptive stripping voltammetric conditions for kynurenic acid determination. Journal of Pharmaceutical and Biomedical Analysis, 1997, 15, 1585-1594.	2.8	26

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55	Bioisosteric Development of Multitarget Nonsteroidal Anti-Inflammatory Drugâ€“Carbonic Anhydrases Inhibitor Hybrids for the Management of Rheumatoid Arthritis. Journal of Medicinal Chemistry, 2020, 63, 2325-2342.	6.4	26
56	Design and optimization of the variables in the adsorptive stripping voltammetric determination of rufloxacin in tablets, human plasma and urine. Journal of Pharmaceutical and Biomedical Analysis, 1995, 13, 431-438.	2.8	25
57	Benzoxaboroles: New Potent Inhibitors of the Carbonic Anhydrases of the Pathogenic Bacterium Vibrio cholerae. ACS Medicinal Chemistry Letters, 2020, 11, 2277-2284.	2.8	25
58	Solution and Solidâ€State Analysis of Binding of 13â€Substituted Berberine Analogues to Human Telomeric Gâ€quadruplexes. Chemistry - an Asian Journal, 2016, 11, 1107-1115.	3.3	24
59	Tales of the Unexpected: The Case of Zirconium(IV) Complexes with Desferrioxamine. Molecules, 2019, 24, 2098.	3.8	24
60	Induction of a Fourâ€Way Junction Structure in the DNA Palindromic Hexanucleotide 5â€²â€d(CGTACG)â€3â€² by a Mononuclear Platinum Complex. Angewandte Chemie - International Edition, 2019, 58, 9378-9382.	13.8	24
61	Identification of N-phenyl-2-(phenylsulfonyl)acetamides/propanamides as new SLC-0111 analogues: Synthesis and evaluation of the carbonic anhydrase inhibitory activities. European Journal of Medicinal Chemistry, 2021, 218, 113360.	5.5	24
62	Insights into docking and scoring neuronal Î±4Î²2 nicotinic receptor agonists using molecular dynamics simulations and QM/MM calculations. Journal of Computational Chemistry, 2009, 30, 2443-2454.	3.3	23
63	Assessment of human telomeric G-quadruplex structures using surface-enhanced Raman spectroscopy. Analytical and Bioanalytical Chemistry, 2017, 409, 2285-2295.	3.7	23
64	Synthesis and carbonic anhydrase inhibition of polycyclic imides incorporating N-benzenesulfonamide moieties. Bioorganic and Medicinal Chemistry, 2017, 25, 5373-5379.	3.0	23
65	4-Substituted benzenesulfonamides featuring cyclic imides moieties exhibit potent and isoform-selective carbonic anhydrase II/IX inhibition. Bioorganic Chemistry, 2019, 83, 198-204.	4.1	23
66	Interactions of selected gold(<scp>iii</scp>) complexes with DNA G quadruplexes. Dalton Transactions, 2015, 44, 3633-3639.	3.3	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. Bioorganic Chemistry, 2019, 90, 103102.	4.1	21
68	Novel Diamide-Based Benzenesulfonamides as Selective Carbonic Anhydrase IX Inhibitors Endowed with Antitumor Activity: Synthesis, Biological Evaluation and In Silico Insights. International Journal of Molecular Sciences, 2019, 20, 2484.	4.1	21
69	N-Nitrosulfonamides as Carbonic Anhydrase Inhibitors: A Promising Chemotype for Targeting Chagas Disease and Leishmaniasis. ACS Medicinal Chemistry Letters, 2019, 10, 413-418.	2.8	21
70	Sensing Zn2+ in Aqueous Solution with a Fluorescent Scorpiand Macrocyclic Ligand Decorated with an Anthracene Bearing Tail. Molecules, 2020, 25, 1355.	3.8	21
71	Solution NMR Structure of a Ligand/Hybridâ€2â€Gâ€Quadruplex Complex Reveals Rearrangements that Affect Ligand Binding. Angewandte Chemie, 2017, 129, 7208-7212.	2.0	20
72	Pyridine Derivative of the Natural Alkaloid Berberine as Human Telomeric G₄-DNA Binder: A Solution and Solid-State Study. ACS Medicinal Chemistry Letters, 2020, 11, 645-650.	2.8	20

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73	Optimization by experimental design of the adsorptive stripping voltammetric parameters in the determination of cinoxacin. Electroanalysis, 1995, 7, 1161-1164.	2.9	19
74	Novel benzenesulfonamides aryl and arylsulfone conjugates adopting tail/dual tail approaches: Synthesis, carbonic anhydrase inhibitory activity and molecular modeling studies. European Journal of Medicinal Chemistry, 2021, 221, 113486.	5.5	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. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 930-939.	5.2	19
76	Diversity-oriented syntheses of 7-substituted lentiginosines. Tetrahedron, 2011, 67, 9555-9564.	1.9	18
77	Appraisal of anti-protozoan activity of nitroaromatic benzenesulfonamides inhibiting carbonic anhydrases fromTrypanosoma cruziandLeishmania donovani. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 1164-1171.	5.2	18
78	Polypharmacology of epacadostat: a potent and selective inhibitor of the tumor associated carbonic anhydrases IX and XII. Chemical Communications, 2019, 55, 5720-5723.	4.1	18
79	Î±,Î³-Diketocarboxylic Acids and Their Esters Act as Carbonic Anhydrase IX and XII Selective Inhibitors. ACS Medicinal Chemistry Letters, 2019, 10, 661-665.	2.8	18
80	Ninhydrins inhibit carbonic anhydrases directly binding to the metal ion. European Journal of Medicinal Chemistry, 2021, 209, 112875.	5.5	18
81	Simultaneous determination of aspirin, codeine phosphate and propyphenazone in tablets by reversed-phase high-performance liquid chromatography. International Journal of Pharmaceutics, 1992, 80, 263-266.	5.2	16
82	Determination of some quinolones in tablets, human plasma and urine by differential-pulse polarography. International Journal of Pharmaceutics, 1994, 111, 83-87.	5.2	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. Journal of Medicinal Chemistry, 2020, 63, 5185-5200.	6.4	16
84	Characterization of Sanguinaria canadensis L. fluid extract by FAB mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 1991, 9, 1083-1087.	2.8	15
85	New docking CFF91 parameters specific for cyclodextrin inclusion complexes. Chemical Physics Letters, 2003, 370, 280-292.	2.6	14
86	Synthesis, SAR and in vitro evaluation of new cyclic Arg-Gly-Asp pseudopentapeptides containing a s-cis peptide bond as integrin Î±vÎ²3 and Î±vÎ²5 ligands. Bioorganic and Medicinal Chemistry, 2008, 16, 4262-4271.	3.0	14
87	A highly pH-sensitive Zn(ii) chemosensor. Dalton Transactions, 2010, 39, 7080.	3.3	14
88	Binding of H+ and Zn(ii) ions with a new fluorescent macrocyclic phenanthrolinophane. Dalton Transactions, 2010, 39, 10128.	3.3	14
89	DNA interaction with Ru(ii) and Ru(ii)/Cu(ii) complexes containing azamacrocycle and dppz residues. A thermodynamic, kinetic and theoretical study.. Dalton Transactions, 2010, 39, 9838.	3.3	14
90	Novel insights on saccharin- and acesulfame-based carbonic anhydrase inhibitors: design, synthesis, modelling investigations and biological activity evaluation. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 1891-1905.	5.2	14

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91	Inhibition of Î±-, Î²- and Î³-carbonic anhydrases from the pathogenic bacterium Vibrio cholerae with aromatic sulphonamides and clinically licenced drugs â€“ a joint docking/molecular dynamics study. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 469-479.	5.2	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 metronidazoleâ€“pefloxacin combination. Analyst, The, 1999, 124, 1683-1688.	3.5	13
93	Determination of benzalkonium chloride in contact lens solutions by positive-ion fast atom bombardment mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 1989, 7, 1611-1616.	2.8	12
94	Benzodiazepine receptor ligands. Il Farmaco, 1999, 54, 375-389.	0.9	12
95	Modeling and Biological Investigations of an Unusual Behavior of Novel Synthesized Acridineâ€Based Polyamine Ligands in the Binding of Double Helix and Gâ€Quadruplex DNA. ChemMedChem, 2010, 5, 1995-2005.	3.2	12
96	Lipoyl-Homotaurine Derivative (ADM_12) Reverts Oxaliplatin-Induced Neuropathy and Reduces Cancer Cells Malignancy by Inhibiting Carbonic Anhydrase IX (CAIX). Journal of Medicinal Chemistry, 2017, 60, 9003-9011.	6.4	12
97	Natural inspired ligustrazine-based SLC-0111 analogues as novel carbonic anhydrase inhibitors. European Journal of Medicinal Chemistry, 2022, 228, 114008.	5.5	12
98	Determination of atropine sulphate and benzalkonium chloride in eye drops by HPLC. International Journal of Pharmaceutics, 1993, 93, 239-243.	5.2	11
99	Hypericins and thioredoxin reductase: Biochemical and docking studies disclose the molecular basis for effective inhibition by naphthodianthrones. Bioorganic and Medicinal Chemistry, 2011, 19, 631-641.	3.0	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. Journal of Natural Products, 2017, 80, 3128-3135.	3.0	11
101	Solid State and Solution Study on the Formation of Inorganic Anion Complexes with a Series of Tetrazine-Based Ligands. Molecules, 2019, 24, 2247.	3.8	11
102	Novel benzenesulfonamideâ€bearing pyrazoles and 1,2,4â€thiadiazoles as selective carbonic anhydrase inhibitors. Archiv Der Pharmazie, 2022, 355, e2100241.	4.1	11
103	Synthesis of new 1,3-dicyclohexyl barbituric acid derivatives with anti-inflammatory potential activity. European Journal of Medicinal Chemistry, 1990, 25, 197-201.	5.5	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. European Journal of Medicinal Chemistry, 2019, 182, 111642.	5.5	10
105	Simultaneous determination of naphazoline and diphenhydramine hydrochlorides in nasal drops by second-order derivative UV spectroscopy. International Journal of Pharmaceutics, 1989, 50, 75-78.	5.2	9
106	Searching for a Reliable Orientation of Ligands in Their Binding Site:Â Comparison between a Structure-Based (Glide) and a Ligand-Based (FIGO) Approach in the Case Study of PDE4 Inhibitorsâ€. Journal of Medicinal Chemistry, 2005, 48, 1657-1665.	6.4	9
107	Antagonism/Agonism Modulation to Build Novel Antihypertensives Selectively Triggering I₁-Imidazoline Receptor Activation. ACS Medicinal Chemistry Letters, 2015, 6, 496-501.	2.8	9
108	Î²3-Adrenoreceptor Activity Limits Apigenin Efficacy in Ewing Sarcoma Cells: A Dual Approach to Prevent Cell Survival. International Journal of Molecular Sciences, 2019, 20, 2149.	4.1	9

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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. European Journal of Medicinal Chemistry, 2020, 201, 112478.	5.5	9
110	Simultaneous UV spectrophotometric determination of procaine hydrochloride and phenazone in an otic formulation. International Journal of Pharmaceutics, 1990, 64, 235-238.	5.2	8
111	Adsorptive stripping voltammetry for thiomersal assay. Journal of Pharmaceutical and Biomedical Analysis, 1994, 12, 273-276.	2.8	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. Inorganica Chimica Acta, 2012, 381, 170-180.	2.4	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. Inorganica Chimica Acta, 2012, 381, 229-235.	2.4	7
114	[Au(9â€methylcaffeinâ€8â€ylidene)₂]⁺/DNA Tel23 System: Solution, Computational, and Biological Studies. Chemistry - A European Journal, 2017, 23, 13784-13791.	3.3	7
115	Differential pulse polarographic determination of total benzophenantridinium alkaloids in Sanguinaria extract-based oral rinses. International Journal of Pharmaceutics, 1988, 46, 255-260.	5.2	6
116	Differential-pulse adsorptive stripping voltammetry of chlorhexidine. Analyst, The, 1991, 116, 723.	3.5	6
117	Anion and ion-pair binding by a G-2 poly(ethylene imine) dendrimer. Dalton Transactions, 2013, 42, 12130.	3.3	6
118	New Rigid Nicotine Analogues, Carrying a Norbornane Moiety, Are Potent Agonists of Î±7 and Î±3* Nicotinic Receptors. Journal of Medicinal Chemistry, 2019, 62, 1887-1901.	6.4	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. Chemical and Pharmaceutical Bulletin, 2008, 56, 1085-1091.	1.3	5
120	Insights into the Conformational Switching Mechanism of the Human Vascular Endothelial Growth Factor Receptor Type 2 Kinase Domain. Journal of Chemical Information and Modeling, 2012, 52, 483-491.	5.4	5
121	Halogenated isophthalamides and dipicolineamides: the role of the halogen substituents in the anion binding properties. Dalton Transactions, 2020, 49, 9231-9238.	3.3	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. International Journal of Molecular Sciences, 2020, 21, 2621.	4.1	5
123	Copper(II) ion-selective sensor with electrolytically plated chalcogenide coating. Sensors and Actuators B: Chemical, 1992, 7, 544-548.	7.8	4
124	Stability Prediction of cefazolin sodium and Cephaloridine in solid state. Drug Development and Industrial Pharmacy, 1994, 20, 2299-2313.	2.0	4
125	Cation, Anion and Ion-Pair Complexes with a G-3 Poly(ethylene imine) Dendrimer in Aqueous Solution. Molecules, 2017, 22, 816.	3.8	4
126	Induction of a Fourâ€Way Junction Structure in the DNA Palindromic Hexanucleotide 5â€²â€d(CGTACG)â€3â€² by a Mononuclear Platinum Complex. Angewandte Chemie, 2019, 131, 9478-9482.	2.0	4

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127	Synthesis, Computational Studies and Assessment of in Vitro Activity of Squalene Derivatives as Carbonic Anhydrase Inhibitors. ChemMedChem, 2020, 15, 2052-2057.	3.2	4
128	Design, synthesis and binding affinity of new nicotinic ligands. Arkivoc, 2006, 2006, 50-65.	0.5	4
129	Effect of structure levels on surface-enhanced Raman scattering of human telomeric G-quadruplexes in diluted and crowded media. Analytical and Bioanalytical Chemistry, 2019, 411, 5197-5207.	3.7	3
130	Calixarenes Incorporating Sulfonamide Moieties: Versatile Ligands for Carbonic Anhydrases Inhibition. Chemistry - A European Journal, 2022, 28, .	3.3	3
131	Differential electrolytic potentiometry (DEP) with twin silverâ€"silver sulphide membrane electrodes in micro titration of quaternary ammonium compounds. Journal of Pharmaceutical and Biomedical Analysis, 1988, 6, 957-961.	2.8	2
132	FILO (field interaction ligand optimization): a simplex strategy for searching the optimal ligand interaction field in drug design. Journal of Computer-Aided Molecular Design, 2001, 15, 57-66.	2.9	2
133	Discovery of New 1,1â€²-Biphenyl-4-sulfonamides as Selective Subnanomolar Human Carbonic Anhydrase II Inhibitors. ACS Medicinal Chemistry Letters, 2020, 11, 633-637.	2.8	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. European Journal of Medicinal Chemistry, 2022, 228, 114026.	5.5	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. International Journal of Biological Macromolecules, 2022, 211, 506-513.	7.5	1
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