

# Vincenza Andrisano

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

176  
papers

7,848  
citations

49  
h-index

81  
g-index

186  
ext. papers

8,510  
ext. citations

5  
avg, IF

5.47  
L-index

#	Paper	IF	Citations
176	Natural products as novel scaffolds for the design of glycogen synthase kinase 3 inhibitors.. <i>Expert Opinion on Drug Discovery</i> , <b>2022</b> , 1-20	6.2	
175	Multi-target neuroprotective effects of herbal medicines for Alzheimer's disease.. <i>Journal of Ethnopharmacology</i> , <b>2022</b> , 290, 115107	5	2
174	Monoterpene indole alkaloids from <i>Vinca minor</i> L. (Apocynaceae): Identification of new structural scaffold for treatment of Alzheimer's disease. <i>Phytochemistry</i> , <b>2021</b> , 194, 113017	4	2
173	Discovery of a Potent Dual Inhibitor of Acetylcholinesterase and Butyrylcholinesterase with Antioxidant Activity that Alleviates Alzheimer-like Pathology in Old APP/PS1 Mice. <i>Journal of Medicinal Chemistry</i> , <b>2021</b> , 64, 812-839	8.3	16
172	( $\pi$ ): Pentatarget-Directed Ligand combining Cholinesterase, Monoamine Oxidase, and Glycogen Synthase Kinase 3 Inhibition with Calcium Channel Antagonism and Antiaggregating Properties for Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , <b>2021</b> , 12, 1328-1342	5.7	9
171	Glycogen Synthase Kinase 3 A New Gold Rush in Anti-Alzheimer's Disease Multitarget Drug Discovery?. <i>Journal of Medicinal Chemistry</i> , <b>2021</b> , 64, 26-41	8.3	15
170	From virtual screening hits targeting a cryptic pocket in BACE-1 to a nontoxic brain permeable multitarget anti-Alzheimer lead with disease-modifying and cognition-enhancing effects. <i>European Journal of Medicinal Chemistry</i> , <b>2021</b> , 225, 113779	6.8	3
169	Indole Derivative Interacts with Estrogen Receptor Beta and Inhibits Human Ovarian Cancer Cell Growth. <i>Molecules</i> , <b>2020</b> , 25,	4.8	4
168	Centrally Active Multitarget Anti-Alzheimer Agents Derived from the Antioxidant Lead CR-6. <i>Journal of Medicinal Chemistry</i> , <b>2020</b> , 63, 9360-9390	8.3	11
167	Advanced analytical methodologies in Alzheimer's disease drug discovery. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2020</b> , 178, 112899	3.5	10
166	Pyridinylimidazoles as GSK3 inhibitors: The Impact of Tautomerism on Compound Activity via Water Networks. <i>ACS Medicinal Chemistry Letters</i> , <b>2019</b> , 10, 1407-1414	4.3	9
165	Discovery of the First-in-Class GSK-3/HDAC Dual Inhibitor as Disease-Modifying Agent To Combat Alzheimer's Disease. <i>ACS Medicinal Chemistry Letters</i> , <b>2019</b> , 10, 469-474	4.3	20
164	Investigating in Vitro Amyloid Peptide 1-42 Aggregation: Impact of Higher Molecular Weight Stable Adducts. <i>ACS Omega</i> , <b>2019</b> , 4, 12308-12318	3.9	8
163	A novel class of multitarget anti-Alzheimer benzohomoadamantane-chlorotacrine hybrids modulating cholinesterases and glutamate NMDA receptors. <i>European Journal of Medicinal Chemistry</i> , <b>2019</b> , 180, 613-626	6.8	17
162	Amaryllidaceae alkaloids from <i>Narcissus pseudonarcissus</i> L. cv. Dutch Master as potential drugs in treatment of Alzheimer's disease. <i>Phytochemistry</i> , <b>2019</b> , 165, 112055	4	29
161	Immobilized Enzyme Reactors: an Overview of Applications in Drug Discovery from 2008 to 2018. <i>Chromatographia</i> , <b>2019</b> , 82, 425-441	2.1	19
160	Amaryllidaceae Alkaloids as Potential Glycogen Synthase Kinase-3 Inhibitors. <i>Molecules</i> , <b>2018</b> , 23,	4.8	21

159	A patent review of butyrylcholinesterase inhibitors and reactivators 2010-2017. <i>Expert Opinion on Therapeutic Patents</i> , <b>2018</b> , 28, 455-465	6.8	18
158	Application of an ESI-QTOF method for the detailed characterization of GSK-3 $\beta$ inhibitors. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2017</b> , 144, 159-166	3.5	5
157	New pyridine derivatives as inhibitors of acetylcholinesterase and amyloid aggregation. <i>European Journal of Medicinal Chemistry</i> , <b>2017</b> , 141, 197-210	6.8	20
156	Hydroxy-substituted trans-cinnamoyl derivatives as multifunctional tools in the context of Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , <b>2017</b> , 139, 378-389	6.8	15
155	Multitarget drug design strategy in Alzheimer's disease: focus on cholinergic transmission and amyloid- $\beta$ aggregation. <i>Future Medicinal Chemistry</i> , <b>2017</b> , 9, 953-963	4.1	16
154	Design, synthesis and multitarget biological profiling of second-generation anti-Alzheimer rhin-huprine hybrids. <i>Future Medicinal Chemistry</i> , <b>2017</b> , 9, 965-981	4.1	29
153	Tacrine-based Multifunctional Agents in Alzheimer's Disease: An Old Story in Continuous Development. <i>Current Medicinal Chemistry</i> , <b>2017</b> , 24, 3522-3546	4.3	35
152	Fatty Acid Amide Hydrolase (FAAH), Acetylcholinesterase (AChE), and Butyrylcholinesterase (BuChE): Networked Targets for the Development of Carbamates as Potential Anti-Alzheimer's Disease Agents. <i>Journal of Medicinal Chemistry</i> , <b>2016</b> , 59, 6387-406	8.3	46
151	Novel Tacrine-Benzofuran Hybrids as Potent Multitarget-Directed Ligands for the Treatment of Alzheimer's Disease: Design, Synthesis, Biological Evaluation, and X-ray Crystallography. <i>Journal of Medicinal Chemistry</i> , <b>2016</b> , 59, 114-31	8.3	94
150	Application of BACE1 immobilized enzyme reactor for the characterization of multifunctional alkaloids from <i>Corydalis cava</i> (Fumariaceae) as Alzheimer's disease targets. <i>Phytotherapy</i> <b>2016</b> , 109, 241-7	3.2	23
149	Cardanol-derived AChE inhibitors: Towards the development of dual binding derivatives for Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , <b>2016</b> , 108, 687-700	6.8	66
148	Site-specific quantification of lysine acetylation in the N-terminal tail of histone H4 using a double-labelling, targeted UHPLC MS/MS approach. <i>Analytical and Bioanalytical Chemistry</i> , <b>2016</b> , 408, 3547-53	4.4	4
147	Direct determination of GSK-3 $\beta$ activity and inhibition by UHPLC-UV-vis diode arrays detector (DAD). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2016</b> , 124, 104-111	3.5	2
146	Versatility of the Curcumin Scaffold: Discovery of Potent and Balanced Dual BACE-1 and GSK-3 $\beta$ Inhibitors. <i>Journal of Medicinal Chemistry</i> , <b>2016</b> , 59, 531-44	8.3	73
145	Imidazopyranotacrines as Non-Hepatotoxic, Selective Acetylcholinesterase Inhibitors, and Antioxidant Agents for Alzheimer's Disease Therapy. <i>Molecules</i> , <b>2016</b> , 21, 400	4.8	14
144	Multitarget Strategy to Address Alzheimer's Disease: Design, Synthesis, Biological Evaluation, and Computational Studies of Coumarin-Based Derivatives. <i>ChemMedChem</i> , <b>2016</b> , 11, 1296-308	3.7	16
143	Nature-Inspired Multifunctional Ligands: Focusing on Amyloid-Based Molecular Mechanisms of Alzheimer's Disease. <i>ChemMedChem</i> , <b>2016</b> , 11, 1309-17	3.7	19
142	Novel 8-Hydroxyquinoline Derivatives as Multitarget Compounds for the Treatment of Alzheimer's Disease. <i>ChemMedChem</i> , <b>2016</b> , 11, 1284-95	3.7	59

141	Polyamine Conjugation as a Promising Strategy To Target Amyloid Aggregation in the Framework of Alzheimer's Disease. <i>ACS Medicinal Chemistry Letters</i> , <b>2016</b> , 7, 1145-1150	4.3	11
140	3,4-Dihydro-1,3,5-triazin-2(1H)-ones as the First Dual BACE-1/GSK-3 $\beta$ Fragment Hits against Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , <b>2015</b> , 6, 1665-82	5.7	47
139	From AChE to BACE1 inhibitors: The role of the amine on the indanone scaffold. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2015</b> , 25, 2804-8	2.9	24
138	Novel tacrine-grafted Ugi adducts as multipotent anti-Alzheimer drugs: a synthetic renewal in tacrine-ferulic acid hybrids. <i>ChemMedChem</i> , <b>2015</b> , 10, 523-39	3.7	56
137	Multitarget drug discovery for Alzheimer's disease: triazinones as BACE-1 and GSK-3 $\beta$ inhibitors. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 1578-82	16.4	87
136	Multitarget Drug Discovery for Alzheimer's Disease: Triazinones as BACE-1 and GSK-3 $\beta$ Inhibitors. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 1598-1602	3.6	5
135	Fluorinated benzophenone derivatives: balanced multipotent agents for Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , <b>2014</b> , 78, 157-66	6.8	21
134	UHPLC determination of catechins for the quality control of green tea. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2014</b> , 88, 307-14	3.5	39
133	LC-MS method for the simultaneous determination of six glucocorticoids in pharmaceutical formulations and counterfeit cosmetic products. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2014</b> , 91, 185-92	3.5	31
132	1,2,3,4-Tetrahydrobenzo[h][1,6]naphthyridines as a new family of potent peripheral-to-midgorge-site inhibitors of acetylcholinesterase: synthesis, pharmacological evaluation and mechanistic studies. <i>European Journal of Medicinal Chemistry</i> , <b>2014</b> , 73, 141-52	6.8	29
131	Determination of levamisole and tetramisole in seized cocaine samples by enantioselective high-performance liquid chromatography and circular dichroism detection. <i>Journal of Chromatography A</i> , <b>2014</b> , 1363, 150-4	4.5	18
130	Design, synthesis, in silico and in vitro screening of 1,2,4-thiadiazole analogues as non-peptide inhibitors of beta-secretase. <i>Bioorganic Chemistry</i> , <b>2014</b> , 57, 90-98	5.1	28
129	Disease-modifying anti-Alzheimer's drugs: inhibitors of human cholinesterases interfering with Amyloid aggregation. <i>CNS Neuroscience and Therapeutics</i> , <b>2014</b> , 20, 624-32	6.8	41
128	Multitarget drug design strategy: quinone-tacrine hybrids designed to block amyloid- $\beta$ aggregation and to exert anticholinesterase and antioxidant effects. <i>Journal of Medicinal Chemistry</i> , <b>2014</b> , 57, 8576-89	8.3	122
127	Liquid chromatographic enzymatic studies with on-line Beta-secretase immobilized enzyme reactor and 4-(4-dimethylaminophenylazo) benzoic acid/5-[(2-aminoethyl) amino] naphthalene-1-sulfonic acid peptide as fluorogenic substrate. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2014</b> , 953-954, 108-14	3.2	7
126	Synthesis and multitarget biological profiling of a novel family of rhein derivatives as disease-modifying anti-Alzheimer agents. <i>Journal of Medicinal Chemistry</i> , <b>2014</b> , 57, 2549-67	8.3	108
125	Reprint of: Liquid chromatographic enzymatic studies with on-line Beta-secretase immobilized enzyme reactor and 4-(4-dimethylaminophenylazo) benzoic acid/5-[(2-aminoethyl) amino] naphthalene-1-sulfonic acid peptide as fluorogenic substrate. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2014</b> , 968, 94-100	3.2	2
124	From the dual function lead AP2238 to AP2469, a multi-target-directed ligand for the treatment of Alzheimer's disease. <i>Pharmacology Research and Perspectives</i> , <b>2014</b> , 2, e00023	3.1	37

123	Fluorescence biosensing micropatterned surfaces based on immobilized human acetylcholinesterase. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 795-804	4.4	1
122	Surface plasmon resonance, fluorescence, and circular dichroism studies for the characterization of the binding of BACE-1 inhibitors. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 827-35	4.4	14
121	The bivalent ligand approach as a tool for improving the in vitro anti-Alzheimer multitarget profile of dimebon. <i>ChemMedChem</i> , <b>2013</b> , 8, 1276-81	3.7	26
120	Multifunctional cholinesterase and amyloid Beta fibrillization modulators. Synthesis and biological investigation. <i>ACS Medicinal Chemistry Letters</i> , <b>2013</b> , 4, 1178-82	4.3	32
119	Quinones bearing non-steroidal anti-inflammatory fragments as multitarget ligands for Alzheimer's disease. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2013</b> , 23, 6254-8	2.9	17
118	Human recombinant beta-secretase immobilized enzyme reactor for fast hits selection and characterization from a virtual screening library. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2013</b> , 73, 131-4	3.5	11
117	The rapid and direct determination of ATPase activity by ion exchange chromatography and the application to the activity of heat shock protein-90. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2013</b> , 73, 77-81	3.5	10
116	A Fluorescent Styrylquinoline with Combined Therapeutic and Diagnostic Activities against Alzheimer's and Prion Diseases. <i>ACS Medicinal Chemistry Letters</i> , <b>2013</b> , 4, 225-9	4.3	36
115	Determination of dextromethorphan and levomethorphan in seized heroin samples by enantioselective HPLC and electronic CD. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2013</b> , 81-82, 76-9	3.5	10
114	Mass spectrometry as an efficient tool for the characterization of amyloid $\beta$ peptide 25-35 self-assembly species in aggregation and inhibition studies. <i>European Journal of Mass Spectrometry</i> , <b>2013</b> , 19, 483-90	1.1	5
113	A small chemical library of 2-aminoimidazole derivatives as BACE-1 inhibitors: Structure-based design, synthesis, and biological evaluation. <i>European Journal of Medicinal Chemistry</i> , <b>2012</b> , 48, 206-13	6.8	22
112	Multipotent MAO and cholinesterase inhibitors for the treatment of Alzheimer's disease: synthesis, pharmacological analysis and molecular modeling of heterocyclic substituted alkyl and cycloalkyl propargyl amine. <i>European Journal of Medicinal Chemistry</i> , <b>2012</b> , 52, 251-62	6.8	55
111	2-Arylbenzofuran-based molecules as multipotent Alzheimer's disease modifying agents. <i>European Journal of Medicinal Chemistry</i> , <b>2012</b> , 58, 519-32	6.8	46
110	Amyloid $\beta$ peptide 25-35 self-assembly and its inhibition: a model undecapeptide system to gain atomistic and secondary structure details of the Alzheimer's disease process and treatment. <i>ACS Chemical Neuroscience</i> , <b>2012</b> , 3, 952-62	5.7	50
109	The First Dual ChE/FAAH Inhibitors: New Perspectives for Alzheimer's Disease?. <i>ACS Medicinal Chemistry Letters</i> , <b>2012</b> , 3, 182-6	4.3	31
108	Protein flexibility in virtual screening: the BACE-1 case study. <i>Journal of Chemical Information and Modeling</i> , <b>2012</b> , 52, 2697-704	6.1	41
107	Cystamine-tacrine dimer: a new multi-target-directed ligand as potential therapeutic agent for Alzheimer's disease treatment. <i>Neuropharmacology</i> , <b>2012</b> , 62, 997-1003	5.5	70
106	Mechanism and stereoselectivity of HDAC I inhibition by (R)-9-hydroxystearic acid in colon cancer. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2012</b> , 1821, 1334-40	5	26

105	Disclosure of a fundamental clue for the elucidation of the myricetin mechanism of action as amyloid aggregation inhibitor by mass spectrometry. <i>Electrophoresis</i> , <b>2012</b> , 33, 3380-6	3.6	15
104	Huprine-tacrine heterodimers as anti-amyloidogenic compounds of potential interest against Alzheimer's and prion diseases. <i>Journal of Medicinal Chemistry</i> , <b>2012</b> , 55, 661-9	8.3	74
103	Ubiquitous amyloids. <i>Applied Biochemistry and Biotechnology</i> , <b>2012</b> , 166, 1626-43	3.2	44
102	Synthesis of monomeric derivatives to probe memoquin's bivalent interactions. <i>Journal of Medicinal Chemistry</i> , <b>2011</b> , 54, 8299-304	8.3	22
101	Sequential virtual screening approach to the identification of small organic molecules as potential BACE-1 inhibitors. <i>Chemical Biology and Drug Design</i> , <b>2011</b> , 77, 268-71	2.9	12
100	Multi-target strategy to address Alzheimer's disease: design, synthesis and biological evaluation of new tacrine-based dimers. <i>European Journal of Medicinal Chemistry</i> , <b>2011</b> , 46, 4336-43	6.8	33
99	Exploiting the lipoic acid structure in the search for novel multitarget ligands against Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , <b>2011</b> , 46, 5435-42	6.8	71
98	Synthesis and biological assessment of diversely substituted furo[2,3-b]quinolin-4-amine and pyrrolo[2,3-b]quinolin-4-amine derivatives, as novel tacrine analogues. <i>European Journal of Medicinal Chemistry</i> , <b>2011</b> , 46, 6119-30	6.8	40
97	Beta-secretase as a target for Alzheimer's disease drug discovery: an overview of in vitro methods for characterization of inhibitors. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 400, 1979-96	4.4	70
96	Chemical and pharmacological studies on enantiomerically pure p-methoxytacripyrines, promising multi-target-directed ligands for the treatment of Alzheimer's disease. <i>ChemMedChem</i> , <b>2011</b> , 6, 1990-7	3.7	19
95	Multitargeted drugs discovery: balancing anti-amyloid and anticholinesterase capacity in a single chemical entity. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2011</b> , 21, 2655-8	2.9	55
94	Kinetic characterization of amyloid-beta 1-42 aggregation with a multimethodological approach. <i>Analytical Biochemistry</i> , <b>2011</b> , 414, 215-25	3.1	84
93	Benzophenone-based derivatives: a novel series of potent and selective dual inhibitors of acetylcholinesterase and acetylcholinesterase-induced beta-amyloid aggregation. <i>European Journal of Medicinal Chemistry</i> , <b>2011</b> , 46, 1682-93	6.8	40
92	Structural characterization of p53 isoforms due to the polymorphism at codon 72 by mass spectrometry and circular dichroism. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2010</b> , 53, 200-6	3.5	1
91	Tacrine-based dual binding site acetylcholinesterase inhibitors as potential disease-modifying anti-Alzheimer drug candidates. <i>Chemico-Biological Interactions</i> , <b>2010</b> , 187, 411-5	5	63
90	Bis(7)-tacrine derivatives as multitarget-directed ligands: Focus on anticholinesterase and anti-amyloid activities. <i>ChemMedChem</i> , <b>2010</b> , 5, 1215-20	3.7	35
89	Novel huprine derivatives with inhibitory activity toward $\beta$ -amyloid aggregation and formation as disease-modifying anti-Alzheimer drug candidates. <i>ChemMedChem</i> , <b>2010</b> , 5, 1855-70	3.7	46
88	Strategies for the inhibition of protein aggregation in human diseases. <i>ChemBioChem</i> , <b>2010</b> , 11, 1018-35	3.8	100



87	Development of a liquid chromatographic system with fluorescent detection for beta-secretase immobilized enzyme reactor on-line enzymatic studies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2010</b> , 52, 355-61	3.5	16
86	Thermal and catalytic reactions of ethyl diazopyruvate with [60]fullerene. <i>Tetrahedron</i> , <b>2010</b> , 66, 7329-7332		9
85	Targeting Alzheimer's disease: Novel indanone hybrids bearing a pharmacophoric fragment of AP2238. <i>Bioorganic and Medicinal Chemistry</i> , <b>2010</b> , 18, 1749-60	3.4	78
84	Structure-activity relationships and binding mode in the human acetylcholinesterase active site of pseudo-irreversible inhibitors related to xanthostigmine. <i>ChemMedChem</i> , <b>2009</b> , 4, 670-9	3.7	20
83	Investigation of the photostability properties of memoquin, a quinone derivative for the treatment of Alzheimer's disease. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2009</b> , 50, 164-70	3.5	5
82	Histone post-translational modifications by HPLC-ESI-MS after HT29 cell treatment with histone deacetylase inhibitors. <i>Proteomics</i> , <b>2009</b> , 9, 5437-45	4.8	22
81	Immobilized butyrylcholinesterase in the characterization of new inhibitors that could ease Alzheimer's disease. <i>Journal of Chromatography A</i> , <b>2009</b> , 1216, 2730-8	4.5	32
80	Structure-activity relationships of memoquin: Influence of the chain chirality in the multi-target mechanism of action. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2009</b> , 19, 4312-5	2.9	22
79	LC Analysis of Oxytetracycline and Chlortetracycline: Application for In Vitro Bio-Equivalence Study of Veterinary Medicines. <i>Chromatographia</i> , <b>2009</b> , 69, 215-220	2.1	2
78	Pyrano[3,2-c]quinoline-6-chlorotacrine hybrids as a novel family of acetylcholinesterase- and beta-amyloid-directed anti-Alzheimer compounds. <i>Journal of Medicinal Chemistry</i> , <b>2009</b> , 52, 5365-79	8.3	142
77	Tacripyrines, the first tacrine-dihydropyridine hybrids, as multitarget-directed ligands for the treatment of Alzheimer's disease. <i>Journal of Medicinal Chemistry</i> , <b>2009</b> , 52, 2724-32	8.3	119
76	Toward a rational design of multitarget-directed antioxidants: merging memoquin and lipoic acid molecular frameworks. <i>Journal of Medicinal Chemistry</i> , <b>2009</b> , 52, 7883-6	8.3	62
75	Self-assembly of biomolecules: AFM study of F-actin on unstructured and nanostructured surfaces <b>2009</b> ,		1
74	MTDL design strategy in the context of Alzheimer's disease: from lipocrine to memoquin and beyond. <i>Current Pharmaceutical Design</i> , <b>2009</b> , 15, 601-13	3.3	64
73	Benzofuran-based hybrid compounds for the inhibition of cholinesterase activity, beta amyloid aggregation, and abeta neurotoxicity. <i>Journal of Medicinal Chemistry</i> , <b>2008</b> , 51, 2883-6	8.3	169
72	Structure-activity relationships of acetylcholinesterase noncovalent inhibitors based on a polyamine backbone. 4. Further investigation on the inner spacer. <i>Journal of Medicinal Chemistry</i> , <b>2008</b> , 51, 7308-12	8.3	52
71	Inhibition of acetylcholinesterase, beta-amyloid aggregation, and NMDA receptors in Alzheimer's disease: a promising direction for the multi-target-directed ligands gold rush. <i>Journal of Medicinal Chemistry</i> , <b>2008</b> , 51, 4381-4	8.3	170
70	Novel donepezil-based inhibitors of acetyl- and butyrylcholinesterase and acetylcholinesterase-induced beta-amyloid aggregation. <i>Journal of Medicinal Chemistry</i> , <b>2008</b> , 51, 3588-98	8.3	163

69	Analysis of human histone H4 by capillary electrophoresis in a pullulan-coated capillary, LC-ESI-MS and MALDI-TOF-MS. <i>Analytical and Bioanalytical Chemistry</i> , <b>2008</b> , 390, 1881-8	4.4	10
68	The role of Li <sup>+</sup> , Na <sup>+</sup> , and K <sup>+</sup> in the ligand binding inside the human acetylcholinesterase gorge. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2008</b> , 70, 779-85	4.2	13
67	Multi-target-directed coumarin derivatives: hAChE and BACE1 inhibitors as potential anti-Alzheimer compounds. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2008</b> , 18, 423-6	2.9	171
66	Development of immobilized enzyme reactors based on human recombinant cytochrome P450 enzymes for phase I drug metabolism studies. <i>Journal of Chromatography A</i> , <b>2008</b> , 1206, 2-10	4.5	43
65	Novel class of quinone-bearing polyamines as multi-target-directed ligands to combat Alzheimer's disease. <i>Journal of Medicinal Chemistry</i> , <b>2007</b> , 50, 4882-97	8.3	113
64	Extensive SAR and computational studies of 3-{4-[(benzylmethylamino)methyl]phenyl}-6,7-dimethoxy-2H-2-chromenone (AP2238) derivatives. <i>Journal of Medicinal Chemistry</i> , <b>2007</b> , 50, 4250-4	8.3	72
63	Insight into the kinetic of amyloid beta (1-42) peptide self-aggregation: elucidation of inhibitors's mechanism of action. <i>ChemBioChem</i> , <b>2007</b> , 8, 2152-61	3.8	289
62	A small molecule targeting the multifactorial nature of Alzheimer's disease. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 3689-92	16.4	156
61	A Small Molecule Targeting the Multifactorial Nature of Alzheimer's Disease. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 3763-3766	3.6	8
60	Monolithic stationary phase coupled with coulometric detection: development of an ion-pair HPLC method for the analysis of quinone-bearing compounds. <i>Journal of Separation Science</i> , <b>2007</b> , 30, 2935-42 <sup>3,4</sup>	3.4	5
59	Cholinesterase inhibitors: SAR and enzyme inhibitory activity of 3-[omega-(benzylmethylamino)alkoxy]xanthen-9-ones. <i>Bioorganic and Medicinal Chemistry</i> , <b>2007</b> , 15, 575-85	3.4	59
58	Characterization of reversible and pseudo-irreversible acetylcholinesterase inhibitors by means of an immobilized enzyme reactor. <i>Journal of Chromatography A</i> , <b>2007</b> , 1144, 102-10	4.5	57
57	Development and characterization of beta-secretase monolithic micro-immobilized enzyme reactor for on-line high-performance liquid chromatography studies. <i>Journal of Chromatography A</i> , <b>2007</b> , 1175, 217-26	4.5	28
56	Multiwell fluorometric and colorimetric microassays for the evaluation of beta-secretase (BACE-1) inhibitors. <i>Analytical and Bioanalytical Chemistry</i> , <b>2007</b> , 388, 1175-83	4.4	43
55	Multi-target-directed drug design strategy: from a dual binding site acetylcholinesterase inhibitor to a trifunctional compound against Alzheimer's disease. <i>Journal of Medicinal Chemistry</i> , <b>2007</b> , 50, 6446-9 <sup>3</sup>	8.3	225
54	Separation and quantitation of fructose-6-phosphate and fructose-1,6-diphosphate by LC-ESI-MS for the evaluation of fructose-1,6-bisphosphatase activity. <i>Journal of Separation Science</i> , <b>2006</b> , 29, 2395-400 <sup>3,4</sup>	3.4	4
53	Design, synthesis, and biological evaluation of substituted 2,3-dihydro-1H-cyclopenta[b]quinolin-9-ylamine related compounds as fructose-1,6-bisphosphatase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , <b>2006</b> , 14, 7846-53	3.4	7
52	Optimization of a trypsin-bioreactor coupled with high-performance liquid chromatography-electrospray ionization tandem mass spectrometry for quality control of biotechnological drugs. <i>Journal of Chromatography A</i> , <b>2006</b> , 1120, 121-31	4.5	48



51	Histone proteins determined in a human colon cancer by high-performance liquid chromatography and mass spectrometry. <i>Journal of Chromatography A</i> , <b>2006</b> , 1129, 73-81	4.5	24
50	Propidium-based polyamine ligands as potent inhibitors of acetylcholinesterase and acetylcholinesterase-induced amyloid-beta aggregation. <i>Journal of Medicinal Chemistry</i> , <b>2005</b> , 48, 24-7	8.3	127
49	Simultaneous micellar electrokinetic chromatography and liquid chromatography of adriblastina and tarabine PFS Their application to some biological fluids. <i>Talanta</i> , <b>2005</b> , 66, 253-60	6.2	3
48	Cholinesterase inhibitors: xanthostigmine derivatives blocking the acetylcholinesterase-induced beta-amyloid aggregation. <i>Journal of Medicinal Chemistry</i> , <b>2005</b> , 48, 4444-56	8.3	76
47	Design, synthesis, and biological evaluation of dual binding site acetylcholinesterase inhibitors: new disease-modifying agents for Alzheimer's disease. <i>Journal of Medicinal Chemistry</i> , <b>2005</b> , 48, 7223-33	8.3	179
46	Rational approach to discover multipotent anti-Alzheimer drugs. <i>Journal of Medicinal Chemistry</i> , <b>2005</b> , 48, 360-3	8.3	206
45	Protective Effects of Cyanidin-3-O-β-glucopyranoside Against UVA-induced Oxidative Stress in Human Keratinocytes. <i>Photochemistry and Photobiology</i> , <b>2005</b> , 81, 623	3.6	41
44	Methotrexate determination in pharmaceuticals by enantioselective HPLC. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2005</b> , 37, 919-25	3.5	27
43	Choosing the right chromatographic support in making a new acetylcholinesterase-micro-immobilised enzyme reactor for drug discovery. <i>Journal of Chromatography A</i> , <b>2005</b> , 1065, 135-44	4.5	44
42	Liquid chromatography-tandem mass spectrometry for the identification of impurities in d-allethrin samples. <i>Journal of Chromatography A</i> , <b>2005</b> , 1099, 149-56	4.5	4
41	Batchwise covalent immobilization of human acetylcholinesterase: kinetic and inhibition spectrophotometric studies. <i>Analytical Biochemistry</i> , <b>2005</b> , 342, 163-6	3.1	7
40	Heterocyclic inhibitors of AChE acylation and peripheral sites. <i>Il Farmaco</i> , <b>2005</b> , 60, 465-73		17
39	Simultaneous separation and determination of Tarabine PFS and Adriblastine using micellar electrokinetic chromatography and high performance liquid chromatography. Application to some biological fluids. <i>Journal of Separation Science</i> , <b>2005</b> , 28, 534-42	3.4	1
38	Monolithic micro-immobilized-enzyme reactor with human recombinant acetylcholinesterase for on-line inhibition studies. <i>Journal of Chromatography A</i> , <b>2004</b> , 1031, 27-34	4.5	68
37	Determination of the chiral and achiral related substances of methotrexate by cyclodextrin-modified micellar electrokinetic chromatography. <i>Electrophoresis</i> , <b>2004</b> , 25, 2830-7	3.6	25
36	GC-FID/MS method for the impurity profiling of synthetic d-allethrin. <i>Journal of Separation Science</i> , <b>2004</b> , 27, 89-95	3.4	4
35	Structure-activity relationships of acetylcholinesterase noncovalent inhibitors based on a polyamine backbone. 3. Effect of replacing the inner polymethylene chain with cyclic moieties. <i>Journal of Medicinal Chemistry</i> , <b>2004</b> , 47, 6490-8	8.3	29
34	Design, synthesis, and biological evaluation of conformationally restricted rivastigmine analogues. <i>Journal of Medicinal Chemistry</i> , <b>2004</b> , 47, 5945-52	8.3	108

33	Stereoselective determination of allethrin by two-dimensional achiral/chiral liquid chromatography with ultraviolet/circular dichroism detection. <i>Journal of Chromatography A</i> , <b>2004</b> , 1046, 67-73	4.5	4
32	Study of donepezil binding to serum albumin by capillary electrophoresis and circular dichroism. <i>Analytical and Bioanalytical Chemistry</i> , <b>2003</b> , 377, 875-9	4.4	17
31	beta-Amyloid aggregation induced by human acetylcholinesterase: inhibition studies. <i>Biochemical Pharmacology</i> , <b>2003</b> , 65, 407-16	6	448
30	Design, synthesis and biological evaluation of ambenonium derivatives as AChE inhibitors. <i>Il Farmaco</i> , <b>2003</b> , 58, 917-28		7
29	Drug affinity to immobilized target bio-polymers by high-performance liquid chromatography and capillary electrophoresis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2003</b> , 797, 111-29	3.2	71
28	Development and characterization of an immobilized enzyme reactor based on glyceraldehyde-3-phosphate dehydrogenase for on-line enzymatic studies. <i>Journal of Chromatography A</i> , <b>2003</b> , 987, 331-40	4.5	33
27	Analytical methods for the determination of folic acid in a polymeric micellar carrier. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2003</b> , 32, 983-9	3.5	23
26	Investigation of the photochemical properties and in vitro phototoxic potential of bumetanide. <i>Photochemical and Photobiological Sciences</i> , <b>2003</b> , 2, 1011-7	4.2	6
25	Structure-activity relationships of acetylcholinesterase noncovalent inhibitors based on a polyamine backbone. 2. Role of the substituents on the phenyl ring and nitrogen atoms of caproctamine. <i>Journal of Medicinal Chemistry</i> , <b>2003</b> , 46, 954-66	8.3	31
24	3-(4-[[Benzyl(methyl)amino]methyl]phenyl)-6,7-dimethoxy-2H-2-chromenone (AP2238) inhibits both acetylcholinesterase and acetylcholinesterase-induced beta-amyloid aggregation: a dual function lead for Alzheimer's disease therapy. <i>Journal of Medicinal Chemistry</i> , <b>2003</b> , 46, 2279-82	8.3	237
23	Determination of the dissociation constants (pKa) of basic acetylcholinesterase inhibitors by reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , <b>2002</b> , 958, 59-67	4.5	21
22	Analysis of guaifenesin-based cough syrups by micellar electrokinetic chromatography and GC-MS. <i>Journal of Separation Science</i> , <b>2001</b> , 24, 258-264	3.4	5
21	Analysis of prostaglandin E1 and related impurities by mixed aqueous-organic capillary electrophoresis. <i>Journal of Separation Science</i> , <b>2001</b> , 24, 749-756	3.4	9
20	Studies on the photostability and in vitro phototoxicity of Labetalol. <i>European Journal of Pharmaceutical Sciences</i> , <b>2001</b> , 12, 495-504	5.1	33
19	Acetylcholinesterase inhibitors: SAR and kinetic studies on omega-[N-methyl-N-(3-alkylcarbamoyloxyphenyl)methyl]aminoalkoxyaryl derivatives. <i>Journal of Medicinal Chemistry</i> , <b>2001</b> , 44, 3810-20	8.3	57
18	Hexahydrochromeno[4,3-b]pyrrole derivatives as acetylcholinesterase inhibitors. <i>Journal of Medicinal Chemistry</i> , <b>2001</b> , 44, 105-9	8.3	24
17	Reliable assay of extreme enantiomeric purity values by a new circular dichroism based HPLC detection system. <i>Chirality</i> , <b>2000</b> , 12, 84-92	2.1	44
16	Pig liver esterase (PLE)-mediated resolution of N-substituted 4-benzoyloxy-3-carbomethoxypiperidines: a convenient preparation of 4-hydroxy- and 4-benzoyloxy-3-carbomethoxypiperidines in enantiomerically pure form. <i>Tetrahedron: Asymmetry</i> , <b>2000</b> , 11, 1897-1905		6

15	Acetylcholinesterase inhibitors for potential use in Alzheimer's disease: molecular modeling, synthesis and kinetic evaluation of 11H-indeno-[1,2-b]-quinolin-10-ylamine derivatives. <i>Bioorganic and Medicinal Chemistry</i> , <b>2000</b> , 8, 497-506	3.4	84
14	[4-[[N-(3-chlorophenyl)carbamoyl]oxy]-2-butynyl]-trimethylammonium (McN-A-343)-related compounds. Effect of the butynyl chain inclusion into an aromatic unit on the potency for muscarinic receptors. <i>Bioorganic and Medicinal Chemistry</i> , <b>2000</b> , 8, 681-9	3.4	2
13	SAR of 9-amino-1,2,3,4-tetrahydroacridine-based acetylcholinesterase inhibitors: synthesis, enzyme inhibitory activity, QSAR, and structure-based CoMFA of tacrine analogues. <i>Journal of Medicinal Chemistry</i> , <b>2000</b> , 43, 2007-18	8.3	120
12	Analytical study of penicillamine in pharmaceuticals by capillary zone electrophoresis. <i>Journal of Chromatography A</i> , <b>1999</b> , 844, 361-9	4.5	20
11	Two-carbon bridge substituted cocaines: enantioselective synthesis, attribution of the absolute configuration and biological activity of novel 6- and 7-methoxylated cocaines. <i>Il Farmaco</i> , <b>1999</b> , 54, 275-87		5
10	Enantioselective Extraction of Dinitrophenyl Amino Acids Mediated by Lipophilic Deoxyguanosine Derivatives: Chiral Discrimination by Self-Assembly. <i>Angewandte Chemie - International Edition</i> , <b>1999</b> , 38, 2386-2388	16.4	35
9	Unusual reaction of 1,4-diamino-2-nitrobenzene derivatives toward nucleophiles: Catalysis by sodium sulphite. <i>Tetrahedron</i> , <b>1998</b> , 54, 4647-4654	2.4	7
8	Acetylcholinesterase noncovalent inhibitors based on a polyamine backbone for potential use against Alzheimer's disease. <i>Journal of Medicinal Chemistry</i> , <b>1998</b> , 41, 4186-9	8.3	73
7	Concise Enantioselective Synthesis and Attribution of the Absolute Configuration of Two-Carbon Bridge Methoxylated Cocaines and Pseudococaines. <i>Journal of Organic Chemistry</i> , <b>1998</b> , 63, 4834-4837	4.2	12
6	Acetylcholinesterase inhibitors: synthesis and structure-activity relationships of omega-[N-methyl-N-(3-alkylcarbamoyloxyphenyl)-methyl]aminoalkoxyheteroaryl derivatives. <i>Journal of Medicinal Chemistry</i> , <b>1998</b> , 41, 3976-86	8.3	68
5	Vasoactive cocktails for erectile dysfunction: chemical stability of PGE1, papaverine and phentolamine. <i>Journal of Urology</i> , <b>1998</b> , 160, 551-5	2.5	12
4	Acetylcholinesterase inhibition by tacrine analogues. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>1997</b> , 7, 2599-2602	2.9	27
3	Determination of glutathione in biological samples by high performance liquid chromatography with fluorescence detection. <i>Biomedical Chromatography</i> , <b>1994</b> , 8, 306-8	1.7	13
2	Stereoselectivity at alpha-adrenoreceptor subtypes: observations with the enantiomers of WB 4101 separated through their amides of N-tosyl-(S)-proline. <i>Chirality</i> , <b>1992</b> , 4, 16-20	2.1	10
1	Synthesis and partition profiles of nicotinic acid derivatives with oligomeric carriers. <i>Journal of Controlled Release</i> , <b>1986</b> , 3, 185-191	11.7	4