

# Ann M Vos

## List of Publications by Year in descending order

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30  
papers

1,363  
citations

471509

17  
h-index

477307

29  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1839  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulating physicochemical properties of tetrahydropyridine-2-amine BACE1 inhibitors with electron-withdrawing groups: A systematic study. <i>European Journal of Medicinal Chemistry</i> , 2022, 228, 114028.	5.5	0
2	A Brain-Penetrant and Bioavailable Pyrazolopiperazine BACE1 Inhibitor Elicits Sustained Reduction of Amyloid $\beta^2$ In Vivo. <i>ACS Medicinal Chemistry Letters</i> , 2022, 13, 76-83.	2.8	3
3	Divide and Conquer. Pocket-Opening Mixed-Solvent Simulations in the Perspective of Docking Virtual Screening Applications for Drug Discovery. <i>Journal of Chemical Information and Modeling</i> , 2022, 62, 533-543.	5.4	3
4	JNJ-67569762, A 2-Aminotetrahydropyridine-Based Selective BACE1 Inhibitor Targeting the S3 Pocket: From Discovery to Clinical Candidate. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 14175-14191.	6.4	10
5	Development and implementation of an enterprise-wide predictive model for early absorption, distribution, metabolism and excretion properties. <i>Future Medicinal Chemistry</i> , 2021, 13, 1639-1654.	2.3	7
6	Discovery of 3-(5-Chloro-1-[3-(methylsulfonyl)propyl]-1 <i>H</i> -indol-2-yl)methyl)-1-(2,2,2-trifluoroethyl)-1,3-dihydro-2 <i>H</i> -imidazo[4,5- <i>c</i> ]pyridin-4-ylamine (JNJ-53718678), a Potent and Orally Bioavailable Fusion Inhibitor of Respiratory Syncytial Virus. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 8046-8058.	6.4	16
7	3,3-Difluoro-3,4,5,6-tetrahydropyridin-2-amines: Potent and permeable BACE-1 inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 126999.	2.2	3
8	Evaluation of a Series of $\beta$ -Secretase 1 Inhibitors Containing Novel Heteroaryl-Fused-Piperazine Amidine Warheads. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 1159-1165.	2.8	20
9	Preparation of $\beta$ -Spirocyclobutyl Nucleoside Analogues as Novel and Versatile Adenosine Scaffolds. <i>Chemistry - A European Journal</i> , 2019, 25, 15419-15423.	3.3	10
10	Minisci-Photoredox-Mediated $\beta$ -Heteroarylation of N-Protected Secondary Amines: Remarkable Selectivity of Azetidines. <i>Organic Letters</i> , 2018, 20, 6003-6006.	4.6	56
11	Synthesis and Evaluation of <i>N</i> -Phenyl-3-sulfamoyl-benzamide Derivatives as Capsid Assembly Modulators Inhibiting Hepatitis B Virus (HBV). <i>Journal of Medicinal Chemistry</i> , 2018, 61, 6247-6260.	6.4	40
12	Fragment Binding to $\beta$ -Secretase 1 without Catalytic Aspartate Interactions Identified via Orthogonal Screening Approaches. <i>ACS Omega</i> , 2017, 2, 685-697.	3.5	14
13	Antiviral profiling of the capsid assembly modulator BAY41-4109 on full-length HBV genotype A-H clinical isolates and core site-directed mutants in vitro. <i>Antiviral Research</i> , 2017, 144, 205-215.	4.1	28
14	Molecular blueprint of allosteric binding sites in a homologue of the agonist-binding domain of the $\beta$ 7 nicotinic acetylcholine receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E2543-52.	7.1	102
15	1,4-Oxazine $\beta$ -Secretase 1 (BACE1) Inhibitors: From Hit Generation to Orally Bioavailable Brain Penetrant Leads. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 8216-8235.	6.4	67
16	Structure-Based Site of Metabolism Prediction for Cytochrome P450 2D6. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 6098-6105.	6.4	44
17	Resistance to raltegravir highlights integrase mutations at codon 148 in conferring cross-resistance to a second-generation HIV-1 integrase inhibitor. <i>Antiviral Research</i> , 2011, 91, 167-176.	4.1	30
18	Primary mutations selected in vitro with raltegravir confer large fold changes in susceptibility to first-generation integrase inhibitors, but minor fold changes to inhibitors with second-generation resistance profiles. <i>Virology</i> , 2010, 402, 338-346.	2.4	58

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19	1a/1b Subtype Profiling of Nonnucleoside Polymerase Inhibitors of Hepatitis C Virus. <i>Journal of Virology</i> , 2010, 84, 2923-2934.	3.4	39
20	Molecular mechanisms of retroviral integrase inhibition and the evolution of viral resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 20057-20062.	7.1	275
21	Resistance Mutations in Human Immunodeficiency Virus Type 1 Integrase Selected with Elvitegravir Confer Reduced Susceptibility to a Wide Range of Integrase Inhibitors. <i>Journal of Virology</i> , 2008, 82, 10366-10374.	3.4	153
22	Probing the basicity of zeolite frameworks with N <sub>2</sub> O <sub>4</sub> : A DFT approach. <i>Microporous and Mesoporous Materials</i> , 2006, 90, 370-376.	4.4	14
23	A computational and conceptual DFT approach to the kinetics of acid zeolite catalyzed electrophilic aromatic substitution reactions. <i>Computational and Theoretical Chemistry</i> , 2006, 762, 69-78.	1.5	18
24	NO <sub>2</sub> disproportionation for the IR characterisation of basic zeolites. <i>Chemical Communications</i> , 2005, , 1049.	4.1	20
25	NO <sup>+</sup> : Infrared probe for basic zeolites. <i>Studies in Surface Science and Catalysis</i> , 2005, 158, 663-670.	1.5	14
26	DFT study on the electrophilic aromatic substitution catalyzed by Lewis Acids. <i>Journal of Catalysis</i> , 2003, 220, 333-346.	6.2	13
27	Reactivity Descriptors and Rate Constants for Acid Zeolite Catalyzed Ethylation and Isopropylation of Benzene. <i>Journal of Physical Chemistry B</i> , 2003, 107, 2001-2008.	2.6	29
28	Reactivity Descriptors and Rate Constants for Electrophilic Aromatic Substitution: Acid Zeolite Catalyzed Methylation of Benzene and Toluene. <i>Journal of Physical Chemistry B</i> , 2002, 106, 2026-2034.	2.6	90
29	Calculation of reaction rate constants for hydrogen-deuterium exchange reactions of methane catalysed by acid zeolites. <i>Chemical Communications</i> , 2001, , 1108-1109.	4.1	10
30	A Theoretical Study of the Alkylation Reaction of Toluene with Methanol Catalyzed by Acidic Mordenite. <i>Journal of the American Chemical Society</i> , 2001, 123, 2799-2809.	13.7	177