

# Herman A Schreuder

## List of Publications by Year in descending order

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66  
papers

3,063  
citations

159358

30  
h-index

155451

55  
g-index

72  
all docs

72  
docs citations

72  
times ranked

3008  
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Inhibitors of Nicotinamide-N-Methyltransferase for the Treatment of Metabolic Disorders. <i>Molecules</i> , 2021, 26, 991.	1.7	17
2	A small molecule inhibitor of Nicotinamide N-methyltransferase for the treatment of metabolic disorders. <i>Scientific Reports</i> , 2018, 8, 3660.	1.6	64
3	Novel nicotinamide analog as inhibitor of nicotinamide N-methyltransferase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 922-925.	1.0	30
4	Dual Glucagon-like Peptide 1 (GLP-1)/Glucagon Receptor Agonists Specifically Optimized for Multidose Formulations. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 5580-5593.	2.9	40
5	Crystal structures of monkey and mouse nicotinamide N-methyltransferase (NNMT) bound with end product, 1-methyl nicotinamide. <i>Biochemical and Biophysical Research Communications</i> , 2017, 491, 416-422.	1.0	8
6	Sulfamide as Zinc Binding Motif in Small Molecule Inhibitors of Activated Thrombin Activatable Fibrinolysis Inhibitor (TAFIa). <i>Journal of Medicinal Chemistry</i> , 2016, 59, 9567-9573.	2.9	9
7	Isolation, Co-Crystallization and Structure-Based Characterization of Anabaenopeptins as Highly Potent Inhibitors of Activated Thrombin Activatable Fibrinolysis Inhibitor (TAFIa). <i>Scientific Reports</i> , 2016, 6, 32958.	1.6	30
8	Novel Small Molecule Inhibitors of Activated Thrombin Activatable Fibrinolysis Inhibitor (TAFIa) from Natural Product Anabaenopeptin. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 4839-4844.	2.9	33
9	Protein Crystallography and Drug Discovery. , 2015, , 511-537.		3
10	A Combination of Spin Diffusion Methods for the Determination of Protein-Ligand Complex Structural Ensembles. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6511-6515.	7.2	18
11	Fractal Dimensions of Macromolecular Structures. <i>Molecular Informatics</i> , 2014, 33, 588-596.	1.4	12
12	Targeting Dynamic Pockets of HIV-1 Protease by Structure-Based Computational Screening for Allosteric Inhibitors. <i>Journal of Chemical Information and Modeling</i> , 2014, 54, 987-991.	2.5	29
13	Crystal structure of cathepsin A, a novel target for the treatment of cardiovascular diseases. <i>Biochemical and Biophysical Research Communications</i> , 2014, 445, 451-456.	1.0	10
14	5-Chlorothiophene-2-carboxylic Acid [(S)-2-[2-Methyl-3-(2-oxopyrrolidin-1-yl)benzenesulfonylamino]-3-(4-methylpiperazin-1-yl)-3-oxopropyl]amide (SAR107375), a Selective and Potent Orally Active Dual Thrombin and Factor Xa Inhibitor. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 9441-9456.	2.9	23
15	Inhibition of CatA: an emerging strategy for the treatment of heart failure. <i>Future Medicinal Chemistry</i> , 2013, 5, 399-409.	1.1	18
16	Novel Î²-Amino Acid Derivatives as Inhibitors of Cathepsin A. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 7636-7649.	2.9	41
17	Innen- und Auktortitelbild: Fragment Deconstruction of Small, Potent Factor Xa Inhibitors: Exploring the Superadditivity Energetics of Fragment Linking in Protein-Ligand Complexes ( <i>Angew. Chem.</i> 4/2012). <i>Angewandte Chemie</i> , 2012, 124, 1103-1103.	1.6	0
18	Fragment Deconstruction of Small, Potent Factor Xa Inhibitors: Exploring the Superadditivity Energetics of Fragment Linking in Protein-Ligand Complexes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 905-911.	7.2	54

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19	Inside Back Cover: Fragment Deconstruction of Small, Potent Factor Xa Inhibitors: Exploring the Superadditivity Energetics of Fragment Linking in Protein-Ligand Complexes (Angew. Chem. Int. Ed.)	11.0	14
20	Evidence for C <sub>1</sub> ε <sub>2</sub> /C <sub>1</sub> ε <sub>1</sub> Br <sup>-</sup> ... <sup>-</sup> Interactions as an Important Contribution to Protein-Ligand Binding Affinity. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2911-2916.	7.2	243
21	Protein Crystallography and Drug Discovery. , 2008, , 605-634.		3
22	The Crystal Structure of Thrombin-activable Fibrinolysis Inhibitor (TAFI) Provides the Structural Basis for Its Intrinsic Activity and the Short Half-life of TAFI. <i>Journal of Biological Chemistry</i> , 2008, 283, 29416-29423.	1.6	31
23	Poly(ADP-Ribose) Polymerase-1 (PARP-1) Inhibitors Based on a Tetrahydro-1(2H)-isoquinolinone Scaffold: Synthesis, Biological Evaluation and X-ray Crystal Structure. <i>Synthesis</i> , 2005, 2005, 1550-1554.	1.2	8
24	Structural Requirements for Factor Xa Inhibition by 3-Oxybenzamides with Neutral P1 Substituents: Combining X-ray Crystallography, 3D-QSAR, and Tailored Scoring Functions. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 3290-3312.	2.9	69
25	Probing the Subpockets of Factor Xa Reveals Two Binding Modes for Inhibitors Based on a 2-Carboxyindole Scaffold: A Study Combining Structure-Activity Relationship and X-ray Crystallography. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 4511-4525.	2.9	108
26	Crystal structure of recombinant human growth and differentiation factor 5: Evidence for interaction of the type I and type II receptor-binding sites. <i>Biochemical and Biophysical Research Communications</i> , 2005, 329, 1076-1086.	1.0	52
27	Custom chemical microarray production and affinity fingerprinting for the S1 pocket of factor VIIa. <i>Analytical Biochemistry</i> , 2004, 335, 50-57.	1.1	34
28	Novel factor Xa inhibitors based on a benzoic acid scaffold and incorporating a neutral P1 ligand. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 2801-2805.	1.0	18
29	Structure-based design of amidinophenylurea-derivatives for factor VIIa inhibition. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 3715-3720.	1.0	20
30	Novel factor Xa inhibitors based on a 2-carboxyindole scaffold: SAR of P4 substituents in combination with a neutral P1 ligand. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 4197-4201.	1.0	15
31	Factor Xa inhibitors based on a 2-carboxyindole scaffold: SAR of neutral P1 substituents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 4191-4195.	1.0	18
32	Design, Synthesis, and Structure-Activity Relationship of a New Class of Amidinophenylurea-Based Factor VIIa Inhibitors.. <i>ChemInform</i> , 2003, 34, no.	0.1	0
33	Design, synthesis, and structure-activity relationship of a new class of amidinophenylurea-based factor VIIa inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2003, 13, 1463-1467.	1.0	33
34	PROTEIN CRYSTALLOGRAPHY AND DRUG DISCOVERY. , 2003, , 417-443.		0
35	Design and Quantitative Structure-Activity Relationship of 3-Amidinobenzyl-1H-indole-2-carboxamides as Potent, Nonchiral, and Selective Inhibitors of Blood Coagulation Factor Xa. <i>Journal of Medicinal Chemistry</i> , 2002, 45, 2749-2769.	2.9	85
36	Structure-based prediction of modifications in glutarylamidase to allow single-step enzymatic production of 7-aminoccephalosporanic acid from cephalosporin C. <i>Protein Science</i> , 2002, 11, 92-103.	3.1	12

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37	IL-1 antagonist discovery. , 2000, , 205-222.		0
38	Quantitative Structure-Activity Relationship of Human Neutrophil Collagenase (MMP-8) Inhibitors Using Comparative Molecular Field Analysis and X-ray Structure Analysis. <i>Journal of Medicinal Chemistry</i> , 1999, 42, 1908-1920.	2.9	85
39	Phe161 and Arg166 variants of p-hydroxybenzoate hydroxylase. <i>FEBS Letters</i> , 1999, 443, 251-255.	1.3	20
40	Switch of coenzyme specificity of p-hydroxybenzoate hydroxylase 1 Edited by A. R. Fersht. <i>Journal of Molecular Biology</i> , 1999, 292, 87-96.	2.0	55
41	Lys42 and Ser42 variants of p-hydroxybenzoate hydroxylase from <i>Pseudomonas fluorescens</i> reveal that Arg42 is essential for NADPH binding. <i>FEBS Journal</i> , 1998, 253, 194-201.	0.2	27
42	Application of conformationally restricted peptidomimetics to modeling the bound conformation of peptide antagonists with the IL-1 receptor. <i>International Journal of Peptide Research and Therapeutics</i> , 1998, 5, 93-100.	0.1	2
43	Inhibition of Human Neutrophil Elastase. 4. Design, Synthesis, X-ray Crystallographic Analysis, and Structure-Activity Relationships for a Series of P2-Modified, Orally Active Peptidyl Pentafluoroethyl Ketones. <i>Journal of Medicinal Chemistry</i> , 1998, 41, 2461-2480.	2.9	63
44	Interdomain binding of NADPH in p-Hydroxybenzoate Hydroxylase as Suggested by Kinetic, Crystallographic and Modeling Studies of Histidine 162 and Arginine 269 Variants. <i>Journal of Biological Chemistry</i> , 1998, 273, 21031-21039.	1.6	49
45	Molecular Design and Characterization of an $\hat{\epsilon}$ -Thrombin Inhibitor Containing a Novel P1 Moiety. <i>Biochemistry</i> , 1997, 36, 1034-1040.	1.2	32
46	A new cytokine-receptor binding mode revealed by the crystal structure of the IL-1 receptor with an antagonist. <i>Nature</i> , 1997, 386, 194-200.	13.7	213
47	Modelling of the binding site of the human m1 muscarinic receptor: experimental validation and refinement. <i>Journal of Computer-Aided Molecular Design</i> , 1997, 11, 317-332.	1.3	24
48	Identification of a novel conserved sequence motif in flavoprotein hydroxylases with a putative dual function in FAD/NAD(P)H binding. <i>Protein Science</i> , 1997, 6, 2454-2458.	3.1	132
49	Chitinase and $\hat{\epsilon}$ -1,3-glucanase in the luteoid-body fraction of <i>Hevea latex</i> . <i>Phytochemistry</i> , 1996, 43, 29-37.	1.4	51
50	Structure and Function of Mutant Arg44Lys of 4-Hydroxybenzoate Hydroxylase. Implications for NADPH Binding. <i>FEBS Journal</i> , 1995, 231, 157-165.	0.2	19
51	Crystals of soluble interleukin-1 receptor complexed with its natural antagonist reveal a 1:1 receptor-ligand complex. <i>FEBS Letters</i> , 1995, 373, 39-40.	1.3	6
52	Refined Crystal Structure of the Interleukin-1 Receptor Antagonist. <i>FEBS Journal</i> , 1995, 227, 838-847.	0.2	3
53	Refined Crystal Structure of the Interleukin-1 Receptor Antagonist. Presence of a Disulfide Link and a cis-Proline. <i>FEBS Journal</i> , 1995, 227, 838-847.	0.2	60
54	Crystal structure of $\hat{\epsilon}$ -hydroxybenzoate hydroxylase reconstituted with the modified fad present in alcohol oxidase from methylotrophic yeasts: Evidence for an arabinoflavin. <i>Protein Science</i> , 1994, 3, 2245-2253.	3.1	61

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55	The intact and cleaved human antithrombin III complex as a model for serpinâ€“proteinase interactions. <i>Nature Structural and Molecular Biology</i> , 1994, 1, 48-54.	3.6	275
56	Crystal Structures of Mutant <i>Pseudomonas aeruginosa</i> p-Hydroxybenzoate Hydroxylases: The Tyr201Phe, Tyr385Phe, and Asn300Asp Variants. <i>Biochemistry</i> , 1994, 33, 1555-1564.	1.2	40
57	Crystal Structures of Wild-Type p-Hydroxybenzoate Hydroxylase Complexed with 4-Aminobenzoate, 2,4-Dihydroxybenzoate, and 2-Hydroxy-4-aminobenzoate and of the Tyr222Ala Mutant Complexed with 2-Hydroxy-4-aminobenzoate. Evidence for a Proton Channel and a New Binding Mode of the Flavin Ring. <i>Biochemistry</i> , 1994, 33, 10161-10170.	1.2	119
58	Crystallization and Preliminary X-ray Analysis of Human Antithrombin III. <i>Journal of Molecular Biology</i> , 1993, 229, 249-250.	2.0	9
59	Crystallization and Preliminary Crystallographic Analysis of Antistasin, a Leech-derived Inhibitor of Blood Coagulation Factor Xa. <i>Journal of Molecular Biology</i> , 1993, 231, 1137-1138.	2.0	10
60	Crystal structure of the reduced form of p-hydroxybenzoate hydroxylase refined at 2.3 Å... resolution. <i>Proteins: Structure, Function and Bioinformatics</i> , 1992, 14, 178-190.	1.5	28
61	Analysis of the active site of the flavoprotein p-hydroxybenzoate hydroxylase and some ideas with respect to its reaction mechanism. <i>Biochemistry</i> , 1990, 29, 3101-3108.	1.2	67
62	Crystal structure of the p-hydroxybenzoate hydroxylase-substrate complex refined at 1.9 Å... resolution. <i>Journal of Molecular Biology</i> , 1989, 208, 679-696.	2.0	210
63	The coenzyme analog adenosine 5-diphosphoribose displaces FAD in the active site of p-hydroxybenzoate hydroxylase. An x-ray crystallographic investigation. <i>Biochemistry</i> , 1989, 28, 7199-7205.	1.2	25
64	Chemical modification of tyrosine-38 in P-Hydroxybenzoate hydroxylase from <i>Pseudomonas fluorescens</i> by 5'-P-fluorosulfonylbenzoyladenine: A probe for the elucidation of the NADPH binding site?. Involvement in catalysis, assignment in sequence and fitting to the tertiary structure. <i>FEBS Journal</i> , 1988, 176, 449-459.	0.2	21
65	Crystal structure of p-hydroxybenzoate hydroxylase complexed with its reaction product 3,4-dihydroxybenzoate. <i>Journal of Molecular Biology</i> , 1988, 199, 637-648.	2.0	112
66	Determination of Î²-galactosidase activity in the intestinal tract of mice by ion-exchange high-performance liquid chromatography using Î¼-N-1-(1-deoxylactulosyl)-L-lysine as substrate. <i>Biomedical Applications</i> , 1983, 278, 275-282.	1.7	6