

Irene T Weber

List of Publications by Year in descending order

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117
papers

5,123
citations

76196

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102304

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173
docs citations

173
times ranked

2681
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel bis-Tetrahydrofuranylurethane-Containing Nonpeptidic Protease Inhibitor (PI) UIC-94017 (TMC114) with Potent Activity against Multi-PI-Resistant Human Immunodeficiency Virus In Vitro. <i>Antimicrobial Agents and Chemotherapy</i> , 2003, 47, 3123-3129.	1.4	355
2	Design of HIV Protease Inhibitors Targeting Protein Backbone: An Effective Strategy for Combating Drug Resistance. <i>Accounts of Chemical Research</i> , 2008, 41, 78-86.	7.6	236
3	High Resolution Crystal Structures of HIV-1 Protease with a Potent Non-peptide Inhibitor (UIC-94017) Active Against Multi-drug-resistant Clinical Strains. <i>Journal of Molecular Biology</i> , 2004, 338, 341-352.	2.0	205
4	Structure-Based Design of Novel HIV-1 Protease Inhibitors To Combat Drug Resistance. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 5252-5261.	2.9	144
5	Ultra-high Resolution Crystal Structure of HIV-1 Protease Mutant Reveals Two Binding Sites for Clinical Inhibitor TMC114. <i>Journal of Molecular Biology</i> , 2006, 363, 161-173.	2.0	136
6	Effectiveness of Nonpeptide Clinical Inhibitor TMC-114 on HIV-1 Protease with Highly Drug Resistant Mutations D30N, I50V, and L90M. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 1379-1387.	2.9	132
7	Enhancing Protein Backbone Binding – A Fruitful Concept for Combating Drug-Resistant HIV. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1778-1802.	7.2	131
8	HIV-1 Protease: Structural Perspectives on Drug Resistance. <i>Viruses</i> , 2009, 1, 1110-1136.	1.5	128
9	Structural implications of drug-resistant mutants of HIV-1 protease: High-resolution crystal structures of the mutant protease/substrate analogue complexes. <i>Proteins: Structure, Function and Bioinformatics</i> , 2001, 43, 455-464.	1.5	125
10	Bis-Tetrahydrofuran: a Privileged Ligand for Darunavir and a New Generation of HIV Protease Inhibitors That Combat Drug Resistance. <i>ChemMedChem</i> , 2006, 1, 939-950.	1.6	116
11	Amprenavir complexes with HIV-1 protease and its drug-resistant mutants altering hydrophobic clusters. <i>FEBS Journal</i> , 2010, 277, 3699-3714.	2.2	116
12	Structural and kinetic analysis of drug resistant mutants of HIV-1 protease. <i>FEBS Journal</i> , 1999, 263, 238-244.	0.2	115
13	Kinetic and modeling studies of S3-S3' subsites of HIV proteinases. <i>Biochemistry</i> , 1992, 31, 4793-4800.	1.2	113
14	Comparative analysis of the sequences and structures of HIV-1 and HIV-2 proteases. <i>Proteins: Structure, Function and Bioinformatics</i> , 1991, 10, 325-339.	1.5	102
15	Atomic resolution crystal structures of HIV-1 protease and mutants V82A and I84V with saquinavir. <i>Proteins: Structure, Function and Bioinformatics</i> , 2007, 67, 232-242.	1.5	84
16	Effect of Flap Mutations on Structure of HIV-1 Protease and Inhibition by Saquinavir and Darunavir. <i>Journal of Molecular Biology</i> , 2008, 381, 102-115.	2.0	81
17	HIV-1 Protease with 20 Mutations Exhibits Extreme Resistance to Clinical Inhibitors through Coordinated Structural Rearrangements. <i>Biochemistry</i> , 2012, 51, 2819-2828.	1.2	78
18	Studies on the role of the S4 substrate binding site of HIV proteinases. <i>FEBS Letters</i> , 1991, 279, 356-360.	1.3	71

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19	Crystal structures of HIV protease V82A and L90M mutants reveal changes in the indinavir-binding site. <i>FEBS Journal</i> , 2004, 271, 1516-1524.	0.2	71
20	Molecular basis for substrate recognition and drug resistance from 1.1 to 1.6 Å resolution crystal structures of HIV-1 protease mutants with substrate analogs. <i>FEBS Journal</i> , 2005, 272, 5265-5277.	2.2	71
21	Comparison of inhibitor binding in HIV-1 protease and in non-viral aspartic proteases: the role of the flap. <i>FEBS Letters</i> , 1990, 269, 269-272.	1.3	70
22	Kinetic, Stability, and Structural Changes in High-resolution Crystal Structures of HIV-1 Protease with Drug-resistant Mutations L24I, I50V, and G73S. <i>Journal of Molecular Biology</i> , 2005, 354, 789-800.	2.0	68
23	A Novel Bis-Tetrahydrofuranylurethane-Containing Nonpeptidic Protease Inhibitor (PI), GRL-98065, Is Potent against Multiple-PI-Resistant Human Immunodeficiency Virus In Vitro. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 2143-2155.	1.4	66
24	Effect of sequence polymorphism and drug resistance on two HIV-1 Gag processing sites. <i>FEBS Journal</i> , 2002, 269, 4114-4120.	0.2	64
25	Design and Development of Highly Potent HIV-1 Protease Inhibitors with a Crown-Like Oxotricyclic Core as the P2-Ligand To Combat Multidrug-Resistant HIV Variants. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 4267-4278.	2.9	64
26	Inhibition of autoprocessing of natural variants and multidrug resistant mutant precursors of HIV-1 protease by clinical inhibitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 9072-9077.	3.3	63
27	Joint X-ray/Neutron Crystallographic Study of HIV-1 Protease with Clinical Inhibitor Amprenavir: Insights for Drug Design. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 5631-5635.	2.9	61
28	Comparison of the substrate specificity of the human T-cell leukemia virus and human immunodeficiency virus proteinases. <i>FEBS Journal</i> , 2000, 267, 6287-6295.	0.2	59
29	Highly resistant HIV-1 proteases and strategies for their inhibition. <i>Future Medicinal Chemistry</i> , 2015, 7, 1023-1038.	1.1	55
30	Machine learning methods accurately predict host specificity of coronaviruses based on spike sequences alone. <i>Biochemical and Biophysical Research Communications</i> , 2020, 533, 553-558.	1.0	52
31	Drug-Resistant HIV-1 Proteases Identify Enzyme Residues Important for Substrate Selection and Catalytic Rate. <i>Biochemistry</i> , 1998, 37, 13835-13845.	1.2	51
32	Human Immunodeficiency Virus, Type 1 Protease Substrate Specificity Is Limited by Interactions between Substrate Amino Acids Bound in Adjacent Enzyme Subsites. <i>Journal of Biological Chemistry</i> , 1996, 271, 4709-4717.	1.6	49
33	Mechanism of Drug Resistance Revealed by the Crystal Structure of the Unliganded HIV-1 Protease with F53L Mutation. <i>Journal of Molecular Biology</i> , 2006, 358, 1191-1199.	2.0	48
34	Probing Multidrug Resistance and Protein-Ligand Interactions with Oxatricyclic Designed Ligands in HIV-1 Protease Inhibitors. <i>ChemMedChem</i> , 2010, 5, 1850-1854.	1.6	47
35	Narrow Substrate Specificity and Sensitivity toward Ligand-binding Site Mutations of Human T-cell Leukemia Virus Type 1 Protease. <i>Journal of Biological Chemistry</i> , 2004, 279, 27148-27157.	1.6	45
36	HIV Protease: Historical Perspective and Current Research. <i>Viruses</i> , 2021, 13, 839.	1.5	45

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37	Structural Evidence for Effectiveness of Darunavir and Two Related Antiviral Inhibitors against HIV-2 Protease. <i>Journal of Molecular Biology</i> , 2008, 384, 178-192.	2.0	44
38	Highly Potent HIV-1 Protease Inhibitors with Novel Tricyclic P2 Ligands: Design, Synthesis, and Protein-Ligand X-ray Studies. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 6792-6802.	2.9	42
39	Long-Range Electrostatics-Induced Two-Proton Transfer Captured by Neutron Crystallography in an Enzyme Catalytic Site. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4924-4927.	7.2	42
40	Molecular dynamics simulations of HIV-1 protease with peptide substrate. <i>Protein Engineering, Design and Selection</i> , 1994, 7, 1353-1363.	1.0	41
41	Structural Basis for Specificity of Retroviral Proteases. <i>Biochemistry</i> , 1998, 37, 4518-4526.	1.2	41
42	Studies on the substrate specificity of the proteinase of equine infectious anemia virus using oligopeptide substrates. <i>Biochemistry</i> , 1993, 32, 3347-3353.	1.2	40
43	Crystallographic Analysis of Human Immunodeficiency Virus 1 Protease with an Analog of the Conserved CA-p2 Substrate. Interactions with Frequently Occurring Glutamic Acid Residue at P2' Position of Substrates. <i>FEBS Journal</i> , 1997, 249, 523-530.	0.2	39
44	Structural Studies of a Rationally Selected Multi-Drug Resistant HIV-1 Protease Reveal Synergistic Effect of Distal Mutations on Flap Dynamics. <i>PLoS ONE</i> , 2016, 11, e0168616.	1.1	39
45	Analysis of comparative modeling predictions for CASP2 targets 1, 3, 9, and 17. <i>Proteins: Structure, Function and Bioinformatics</i> , 1997, 29, 68-73.	1.5	38
46	Critical differences in HIV-1 and HIV-2 protease specificity for clinical inhibitors. <i>Protein Science</i> , 2012, 21, 339-350.	3.1	38
47	Design of Highly Potent, Dual-Acting and Central-Nervous-System-Penetrating HIV-1 Protease Inhibitors with Excellent Potency against Multidrug-Resistant HIV-1 Variants. <i>ChemMedChem</i> , 2018, 13, 803-815.	1.6	36
48	Extreme Multidrug Resistant HIV-1 Protease with 20 Mutations Is Resistant to Novel Protease Inhibitors with P1-Pyrrolidinone or P2-Tris-tetrahydrofuran. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 4017-4027.	2.9	34
49	Molecular dynamics simulations of 14 HIV protease mutants in complexes with indinavir. <i>Journal of Molecular Modeling</i> , 2004, 10, 373-381.	0.8	33
50	Structure of choline oxidase in complex with the reaction product glycine betaine. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 405-413.	2.5	32
51	Molecular mechanics analysis of drug-resistant mutants of HIV protease. <i>Protein Engineering, Design and Selection</i> , 1999, 12, 469-474.	1.0	31
52	Design of HIV-1 Protease Inhibitors with C3-Substituted Hexahydrocyclopentafuranyl Urethanes as P2-Ligands: Synthesis, Biological Evaluation, and Protein-Ligand X-ray Crystal Structure. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 5890-5901.	2.9	31
53	Design and Synthesis of Highly Potent HIV-1 Protease Inhibitors Containing Tricyclic Fused Ring Systems as Novel P2 Ligands: Structure-Activity Studies, Biological and X-ray Structural Analysis. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 4561-4577.	2.9	31
54	Prediction of HIV drug resistance from genotype with encoded three-dimensional protein structure. <i>BMC Genomics</i> , 2014, 15, S1.	1.2	27

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55	In vitro heme biotransformation by the HupZ enzyme from Group A streptococcus. <i>BioMetals</i> , 2016, 29, 593-609.	1.8	27
56	Conformational Changes and Substrate Recognition in <i>Pseudomonas aeruginosa</i> Arginine Dehydrogenase. <i>Biochemistry</i> , 2010, 49, 8535-8545.	1.2	26
57	Design, Synthesis, and X-ray Structure of Substituted Bis-tetrahydrofuran (Bis-THF)-Derived Potent HIV-1 Protease Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2011, 2, 298-302.	1.3	26
58	Novel P2 Tris-tetrahydrofuran Group in Antiviral Compound (GRL-0519) Fills the S2 Binding Pocket of Selected Mutants of HIV-1 Protease. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 1074-1083.	2.9	26
59	Structure-based design, synthesis, X-ray studies, and biological evaluation of novel HIV-1 protease inhibitors containing isophthalamide-derived P2-ligands. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 4903-4909.	1.0	26
60	Structural alignment of retroviral protease sequences. <i>Gene</i> , 1989, 85, 565-566.	1.0	25
61	Programming the Rous Sarcoma Virus Protease to Cleave New Substrate Sequences. <i>Journal of Biological Chemistry</i> , 1996, 271, 10538-10544.	1.6	25
62	The L76V Drug Resistance Mutation Decreases the Dimer Stability and Rate of Autoprocessing of HIV-1 Protease by Reducing Internal Hydrophobic Contacts. <i>Biochemistry</i> , 2011, 50, 4786-4795.	1.2	25
63	Room Temperature Neutron Crystallography of Drug Resistant HIV-1 Protease Uncovers Limitations of X-ray Structural Analysis at 100 K. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 2018-2025.	2.9	25
64	Molecular mechanics calculations on rous sarcoma virus protease with peptide substrates. <i>Protein Science</i> , 1997, 6, 2365-2374.	3.1	24
65	Design and Synthesis of Potent HIV-1 Protease Inhibitors Containing Bicyclic Oxazolidinone Scaffold as the P2 Ligands: Structure-Activity Studies and Biological and X-ray Structural Studies. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 9722-9737.	2.9	24
66	Steady-State Kinetic Mechanism and Reductive Half-Reaction of Arginine Dehydrogenase from <i>Pseudomonas aeruginosa</i> . <i>Biochemistry</i> , 2010, 49, 9542-9550.	1.2	23
67	Sparse Representation for HIV-1 Protease Drug Resistance Prediction. , 2013, 2013, 342-349.		23
68	Caspase-3 binds diverse P4 residues in peptides as revealed by crystallography and structural modeling. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2009, 14, 741-752.	2.2	22
69	Autocatalytic maturation, physical/chemical properties, and crystal structure of group N HIV-1 protease: Relevance to drug resistance. <i>Protein Science</i> , 2010, 19, 2055-2072.	3.1	22
70	Conformational variation of an extreme drug resistant mutant of HIV protease. <i>Journal of Molecular Graphics and Modelling</i> , 2015, 62, 87-96.	1.3	22
71	Automated prediction of HIV drug resistance from genotype data. <i>BMC Bioinformatics</i> , 2016, 17, 278.	1.2	22
72	Molecular model of equine infectious anemia virus proteinase and kinetic measurements for peptide substrates with single amino acid substitutions. <i>Biochemistry</i> , 1993, 32, 3354-3362.	1.2	21

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73	Mutational Analysis of the Substrate Binding Pocket of Murine Leukemia Virus Protease and Comparison with Human Immunodeficiency Virus Proteases. <i>Journal of Biological Chemistry</i> , 1995, 270, 29162-29168.	1.6	21
74	Structure-Based Design of Potent HIV-1 Protease Inhibitors with Modified P1-Biphenyl Ligands: Synthesis, Biological Evaluation, and Enzymeâ€“Inhibitor X-ray Structural Studies. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 5334-5343.	2.9	21
75	Binding of Clinical Inhibitors to a Model Precursor of a Rationally Selected Multidrug Resistant HIV-1 Protease Is Significantly Weaker Than That to the Released Mature Enzyme. <i>Biochemistry</i> , 2016, 55, 2390-2400.	1.2	21
76	Characterization of the murine leukemia virus protease and its comparison with the human immunodeficiency virus type 1 protease. <i>Journal of General Virology</i> , 2006, 87, 1321-1330.	1.3	20
77	Design of <i>gem</i> -difluoro <i>bis</i> -tetrahydrofuran as P2 Ligand for HIVâ€“1â€“Protease Inhibitors to Improve Brain Penetration: Synthesis, X-ray Studies, and Biological Evaluation. <i>ChemMedChem</i> , 2015, 10, 107-115.	1.6	20
78	Drug Resistance Mutation L76V Alters Nonpolar Interactions at the Flapâ€“Core Interface of HIV-1 Protease. <i>ACS Omega</i> , 2018, 3, 12132-12140.	1.6	19
79	Structure-Based Design of Highly Potent HIV-1 Protease Inhibitors Containing New Tricyclic Ring P2-Ligands: Design, Synthesis, Biological, and X-ray Structural Studies. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 4867-4879.	2.9	19
80	Improved Parameters for Generating Partial Charges: Correlation with Observed Dipole Moments. <i>Journal of Molecular Modeling</i> , 1999, 5, 143-152.	0.8	18
81	Structural studies of antiviral inhibitor with HIV-1 protease bearing drug resistant substitutions of V32I, I47V and V82I. <i>Biochemical and Biophysical Research Communications</i> , 2019, 514, 974-978.	1.0	18
82	Bovine leukemia virus protease: comparison with human T-lymphotropic virus and human immunodeficiency virus proteases. <i>Journal of General Virology</i> , 2007, 88, 2052-2063.	1.3	17
83	Substituent effects on P2-cyclopentyltetrahydrofuranyl urethanes: Design, synthesis, and X-ray studies of potent HIV-1 protease inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 2308-2311.	1.0	17
84	Novel complex MAD phasing and RNase H structural insights using selenium oligonucleotides. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 354-361.	2.5	17
85	Design of novel HIV-1 protease inhibitors incorporating isophthalamide-derived P2-P3 ligands: Synthesis, biological evaluation and X-ray structural studies of inhibitor-HIV-1 protease complex. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 5114-5127.	1.4	16
86	Analysis of drug resistance in HIV protease. <i>BMC Bioinformatics</i> , 2018, 19, 362.	1.2	16
87	Potent HIVâ€“1 Protease Inhibitors Containing Carboxylic and Boronic Acids: Effect on Enzyme Inhibition and Antiviral Activity and Proteinâ€“Ligand X-ray Structural Studies. <i>ChemMedChem</i> , 2019, 14, 1863-1872.	1.6	16
88	Highly Drug-Resistant HIV-1 Protease Mutant PRS17 Shows Enhanced Binding to Substrate Analogues. <i>ACS Omega</i> , 2019, 4, 8707-8719.	1.6	16
89	Probing Lipophilic Adamantyl Group as the P1-Ligand for HIV-1 Protease Inhibitors: Design, Synthesis, Protein X-ray Structural Studies, and Biological Evaluation. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 6826-6837.	2.9	15
90	Capturing the Reaction Pathway in Near-Atomic-Resolution Crystal Structures of HIV-1 Protease. <i>Biochemistry</i> , 2012, 51, 7726-7732.	1.2	13

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91	Potent Antiviral HIV-1 Protease Inhibitor GRL-02031 Adapts to the Structures of Drug Resistant Mutants with Its P1 ² -Pyrrolidinone Ring. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 3387-3397.	2.9	13
92	Identifying representative drug resistant mutants of HIV. <i>BMC Bioinformatics</i> , 2015, 16, S1.	1.2	13
93	Design of HIV-1 Protease Inhibitors with Amino-bis-tetrahydrofuran Derivatives as P2-Ligands to Enhance Backbone-Binding Interactions: Synthesis, Biological Evaluation, and Protein ² -Ligand X-ray Studies. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 6994-7006.	2.9	13
94	Potent antiviral HIV-1 protease inhibitor combats highly drug resistant mutant PR20. <i>Biochemical and Biophysical Research Communications</i> , 2019, 519, 61-66.	1.0	13
95	Tackling the problem of HIV drug resistance. <i>Postepy Biochemii</i> , 2016, 62, 273-279.	0.5	12
96	Design, synthesis, biological evaluation and X-ray structural studies of HIV-1 protease inhibitors containing substituted fused-tetrahydropyranyl tetrahydrofuran as P2-ligands. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 11607-11621.	1.5	10
97	Evolution of drug resistance in HIV protease. <i>BMC Bioinformatics</i> , 2020, 21, 497.	1.2	10
98	Decoding HIV resistance: from genotype to therapy. <i>Future Medicinal Chemistry</i> , 2017, 9, 1529-1538.	1.1	9
99	Highly drug ¹ -resistant HIV ¹ protease reveals decreased intra ¹ -subunit interactions due to clusters of mutations. <i>FEBS Journal</i> , 2020, 287, 3235-3254.	2.2	9
100	Substituted Bis-THF Protease Inhibitors with Improved Potency against Highly Resistant Mature HIV-1 Protease PR20. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 5088-5095.	2.9	8
101	Design, Synthesis, Biological Evaluation, and X ¹ -ray Studies of HIV ¹ Protease Inhibitors with Modified P2 ² -Ligands of Darunavir. <i>ChemMedChem</i> , 2017, 12, 1942-1952.	1.6	8
102	Crystal structure of yeast nitronate monooxygenase from <i>Cyberlindnera saturnus</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2018, 86, 599-605.	1.5	8
103	Reaction Intermediates Discovered in Crystal Structures of Enzymes. <i>Advances in Protein Chemistry and Structural Biology</i> , 2012, 87, 57-86.	1.0	7
104	Design, synthesis, X-ray studies, and biological evaluation of novel macrocyclic HIV-1 protease inhibitors involving the P1 ² -P2 ² ligands. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 4925-4931.	1.0	7
105	A Single-Point Mutation in <i>scp</i> -Arginine Dehydrogenase Unlocks a Transient Conformational State Resulting in Altered Cofactor Reactivity. <i>Biochemistry</i> , 2021, 60, 711-724.	1.2	7
106	Long ¹ -Range Electrostatics ¹ -Induced Two ¹ -Proton Transfer Captured by Neutron Crystallography in an Enzyme Catalytic Site. <i>Angewandte Chemie</i> , 2016, 128, 5008-5011.	1.6	6
107	Steric hindrance controls pyridine nucleotide specificity of a flavin ¹ -dependent NADH:quinone oxidoreductase. <i>Protein Science</i> , 2019, 28, 167-175.	3.1	6
108	Design, Synthesis, and X-ray Studies of Potent HIV-1 Protease Inhibitors with P2-Carboxamide Functionalities. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 1965-1972.	1.3	6

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109	Design, synthesis, and X-ray studies of potent HIV-1 protease inhibitors incorporating aminothiochromane and aminotetrahydronaphthalene carboxamide derivatives as the P2 ligands. <i>European Journal of Medicinal Chemistry</i> , 2018, 160, 171-182.	2.6	4
110	Proton transfer and drug binding details revealed in neutron diffraction studies of wild-type and drug resistant HIV-1 protease. <i>Methods in Enzymology</i> , 2020, 634, 257-279.	0.4	4
111	Novel HIV PR inhibitors with C4-substituted bis-THF and bis-fluoro-benzyl target the two active site mutations of highly drug resistant mutant PRS17. <i>Biochemical and Biophysical Research Communications</i> , 2021, 566, 30-35.	1.0	3
112	Identification of Protein Folding Cores Using Charge Center Model of Protein Structure. <i>Scientific World Journal, The</i> , 2002, 2, 84-86.	0.8	2
113	Design, Synthesis and X-Ray Structural Studies of Potent HIV-1 Protease Inhibitors Containing C4-Substituted Tricyclic Hexahydrofurofuran Derivatives as P2 Ligands. <i>ChemMedChem</i> , 2022, 17, .	1.6	2
114	Can we design drugs for HIV/AIDS that are less susceptible to resistance?. <i>Future Medicinal Chemistry</i> , 2015, 7, 2301-2304.	1.1	1
115	Revertant mutation V48G alters conformational dynamics of highly drug resistant HIV protease PRS17. <i>Journal of Molecular Graphics and Modelling</i> , 2021, 108, 108005.	1.3	1
116	Discovery of a new flavin N5-adduct in a tyrosine to phenylalanine variant of d-Arginine dehydrogenase. <i>Archives of Biochemistry and Biophysics</i> , 2022, 715, 109100.	1.4	1
117	Identifying representative drug resistant mutants of HIV reverse transcriptase. , 2014, , .		0