Andrew D Mesecar

List of Publications by Year
in descending order

145	12,988	25423	30277
papers	citations	59 h-index	107 g-index

156	156	156	17868
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Desorption Electrospray Ionization Mass Spectrometry Assay for Labelâ€Free Characterization of SULT2B1b Enzyme Kinetics. ChemMedChem, 2022, 17, .	1.6	16
2	A small moleculeÂcompound with an indole moiety inhibits the main protease of SARS-CoV-2 and blocks virus replication. Nature Communications, 2021, 12, 668.	5.8	126
3	A Structure-Based Discovery Platform for BACE2 and the Development of Selective BACE Inhibitors. ACS Chemical Neuroscience, 2021, 12, 581-588.	1.7	4
4	Mn ²⁺ coordinates Cap-0-RNA to align substrates for efficient 2â€²- O -methyl transfer by SARS-CoV-2 nsp16. Science Signaling, 2021, 14, .	1.6	17
5	Indole Chloropyridinyl Ester-Derived SARS-CoV-2 3CLpro Inhibitors: Enzyme Inhibition, Antiviral Efficacy, Structureâ€“Activity Relationship, and X-ray Structural Studies. Journal of Medicinal Chemistry, 2021, 64, 14702-14714.	2.9	55
6	Chloropyridinyl Esters of Nonsteroidal Anti-Inflammatory Agents and Related Derivatives as Potent SARS-CoV-2 3CL Protease Inhibitors. Molecules, 2021, 26, 5782.	1.7	9
7	Preclinical characterization of an intravenous coronavirus 3CL protease inhibitor for the potential treatment of COVID19. Nature Communications, 2021, 12, 6055.	5.8	215
8	Decoupling deISGylating and deubiquitinating activities of the MERS virus papain-like protease. Antiviral Research, 2020, 174, 104661.	1.9	43
9	Discovery of SARS-CoV-2 antiviral drugs through large-scale compound repurposing. Nature, 2020, 586, 113-119.	13.7	672
10	Structure-Guided Mutagenesis Alters Deubiquitinating Activity and Attenuates Pathogenesis of a Murine Coronavirus. Journal of Virology, 2020, 94, .	1.5	20
11	Drug Development and Medicinal Chemistry Efforts toward SARSâ€Coronavirus and Covidâ€19 Therapeutics. ChemMedChem, 2020, 15, 907-932.	1.6	229
12	Development of an Efficient Enzyme Production and Structure-Based Discovery Platform for BACE1 Inhibitors. Biochemistry, 2019, 58, 4424-4435.	1.2	10
13	Structural Basis for the Inhibition of CRISPR-Cas12a by Anti-CRISPR Proteins. Cell Host and Microbe, 2019, 25, 815-826.e4.	5.1	63
14	Cholesterol Sulfotransferase SULT2B1b Modulates Sensitivity to Death Receptor Ligand TNFÎ± in Castration-Resistant Prostate Cancer. Molecular Cancer Research, 2019, 17, 1253-1263.	1.5	7
15	Highly Selective and Potent Human Î²â€Secretaseâ€…2 (BACE2) Inhibitors against Typeâ€…2 Diabetes: Design, Synthesis, Xâ€ray Structure and Structureâ€“Activity Relationship Studies. ChemMedChem, 2019, 14, 545-560.	1.6	10
16	Design, synthesis, X-ray studies, and biological evaluation of novel BACE1 inhibitors with bicyclic isoxazoline carboxamides as the P3 ligand. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 2605-2610.	1.0	3
17	Design, synthesis, and X-ray structural studies of BACE-1 inhibitors containing substituted 2-oxopiperazines as P1â€²-P2â€² ligands. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 2432-2438.	1.0	14
18	Structural Insights into the Interaction of Coronavirus Papain-Like Proteases and Interferon-Stimulated Gene Product 15 from Different Species. Journal of Molecular Biology, 2017, 429, 1661-1683.	2.0	88

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19	X-ray Structure and Enzymatic Activity Profile of a Core Papain-like Protease of MERS Coronavirus with utility for structure-based drug design. Scientific Reports, 2017, 7, 40292.	1.6	33
20	Computational modeling of the bat <scp>HKU4</scp> coronavirus <scp>3CL^{pro}</scp> inhibitors as a tool for the development of antivirals against the emerging <scp>M</scp>iddle <scp>E</scp>ast respiratory syndrome (<scp>MERS</scp>) coronavirus. Journal of Molecular Recognition, 2017, 30, e2644.	1.1	21
21	Steady-state kinetic studies reveal that the anti-cancer target Ubiquitin-Specific Protease 17 (USP17) is a highly efficient deubiquitinating enzyme. Archives of Biochemistry and Biophysics, 2016, 612, 35-45.	1.4	7
22	X-Ray Structure and Inhibition of 3C-like Protease from Porcine Epidemic Diarrhea Virus. Scientific Reports, 2016, 6, 25961.	1.6	12
23	Cholesterol Sulfonation Enzyme, SULT2B1b, Modulates AR and Cell Growth Properties in Prostate Cancer. Molecular Cancer Research, 2016, 14, 776-786.	1.5	24
24	Design of potent and highly selective inhibitors for human Î²-secretase 2 (memapsin 1), a target for type 2 diabetes. Chemical Science, 2016, 7, 3117-3122.	3.7	11
25	The SARS-coronavirus papain-like protease: Structure, function and inhibition by designed antiviral compounds. Antiviral Research, 2015, 115, 21-38.	1.9	680
26	Structure-based design, synthesis and biological evaluation of novel Î²-secretase inhibitors containing a pyrazole or thiazole moiety as the P3 ligand. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 668-672.	1.0	18
27	Murine Coronavirus Ubiquitin-Like Domain Is Important for Papain-Like Protease Stability and Viral Pathogenesis. Journal of Virology, 2015, 89, 4907-4917.	1.5	50
28	Targeting zoonotic viruses: Structure-based inhibition of the 3C-like protease from bat coronavirus HKU4â€"The likely reservoir host to the human coronavirus that causes Middle East Respiratory Syndrome (MERS). Bioorganic and Medicinal Chemistry, 2015, 23, 6036-6048.	1.4	65
29	X-ray Structural and Functional Studies of the Three Tandemly Linked Domains of Non-structural Protein 3 (nsp3) from Murine Hepatitis Virus Reveal Conserved Functions. Journal of Biological Chemistry, 2015, 290, 25293-25306.	1.6	34
30	Ligand-induced Dimerization of Middle East Respiratory Syndrome (MERS) Coronavirus nsp5 Protease (3CLpro). Journal of Biological Chemistry, 2015, 290, 19403-19422.	1.6	134
31	X-ray structure and inhibition of the feline infectious peritonitis virus 3C-like protease: Structural implications for drug design. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 5072-5077.	1.0	19
32	Probing the structural requirements of non-electrophilic naphthalene-based Nrf2 activators. European Journal of Medicinal Chemistry, 2015, 103, 252-268.	2.6	88
33	A Mouse Model for Betacoronavirus Subgroup 2c Using a Bat Coronavirus Strain HKU5 Variant. MBio, 2014, 5, e00047-14.	1.8	55
34	Structural Basis for the Ubiquitin-Linkage Specificity and deISGylating Activity of SARS-CoV Papain-Like Protease. PLoS Pathogens, 2014, 10, e1004113.	2.1	199
35	A 2.2â€…Ã… resolution structure of the USP7 catalytic domain in a new space group elaborates upon structural rearrangements resulting from ubiquitin binding. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 283-287.	0.4	25
36	Synthesis of 3-(3-aryl-pyrrolidin-1-yl)-5-aryl-1,2,4-triazines that have antibacterial activity and also inhibit inorganic pyrophosphatase. Bioorganic and Medicinal Chemistry, 2014, 22, 406-418.	1.4	32

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37	A Chimeric Virus-Mouse Model System for Evaluating the Function and Inhibition of Papain-Like Proteases of Emerging Coronaviruses. Journal of Virology, 2014, 88, 11825-11833.	1.5	18
38	Enzyme Architecture: The Effect of Replacement and Deletion Mutations of Loop 6 on Catalysis by Triosephosphate Isomerase. Biochemistry, 2014, 53, 3486-3501.	1.2	23
39	Coronaviruses Resistant to a 3C-Like Protease Inhibitor Are Attenuated for Replication and Pathogenesis, Revealing a Low Genetic Barrier but High Fitness Cost of Resistance. Journal of Virology, 2014, 88, 11886-11898.	1.5	81
40	X-ray Structural and Biological Evaluation of a Series of Potent and Highly Selective Inhibitors of Human Coronavirus Papain-like Proteases. Journal of Medicinal Chemistry, 2014, 57, 2393-2412.	2.9	182
41	Catalytic Function and Substrate Specificity of the Papain-Like Protease Domain of nsp3 from the Middle East Respiratory Syndrome Coronavirus. Journal of Virology, 2014, 88, 12511-12527.	1.5	116
42	Nidovirus papain-like proteases: Multifunctional enzymes with protease, deubiquitinating and deISGylating activities. Virus Research, 2014, 194, 184-190.	1.1	140
43	MERS-CoV papain-like protease has deISGylating and deubiquitinating activities. Virology, 2014, 450-451, 64-70.	1.1	198
44	respiratory syndrome coronavirus (SARS-CoV) 3CLpro inhibitors: Identification of ML300 and noncovalent nanomolar inhibitors with an induced-fit binding. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 6172-6177.	1.0	113
45	Design, synthesis, biological and structural evaluation of functionalized resveratrol analogues as inhibitors of quinone reductase 2. Bioorganic and Medicinal Chemistry, 2013, 21, 6022-6037.	1.4	24
46	Discovery, Synthesis, And Structure-Based Optimization of a Series of N-(tert-Butyl)-2-(N-arylamido)-2-(pyridin-3-yl) Acetamides (ML188) as Potent Noncovalent Small Molecule Inhibitors of the Severe Acute Respiratory Syndrome Coronavirus (SARS-CoV) 3CL Protease. Journal of Medicinal Chemistry, 2013, 56, 534-546.	2.9	178
47	Active Site Loop Dynamics of a Class IIa Fructose 1,6-Bisphosphate Aldolase from Mycobacterium tuberculosis. Biochemistry, 2013, 52, 912-925.	1.2	21
48	Chimeric Exchange of Coronavirus nsp5 Proteases (3CLpro) Identifies Common and Divergent Regulatory Determinants of Protease Activity. Journal of Virology, 2013, 87, 12611-12618.	1.5	98
49	Coronavirus Papain-like Peptidases. , 2013, , 2195-2199.		1
50	Synthesis of novel ÐœÐ¢3 receptor ligands via an unusual Knoevenagel condensation. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 7578-7581.	1.0	25
51	Design, Synthesis, and Biological Evaluation of Potent Quinoline and Pyrroloquinoline Ammosamide Analogues as Inhibitors of Quinone Reductase 2. Journal of Medicinal Chemistry, 2012, 55, 367-377.	2.9	36
52	Screening for natural chemoprevention agents that modify human Keap1. Analytical Biochemistry, 2012, 421, 108-114.	1.1	19
53	Screening Natural Products for Inhibitors of Quinone Reductase-2 Using Ultrafiltration LCâ^'MS. Analytical Chemistry, 2011, 83, 1048-1052.	3.2	70
54	Modification of Keap1 Cysteine Residues by Sulforaphane. Chemical Research in Toxicology, 2011, 24, 515-521.	1.7	224

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55	Bioactive Compounds from the Fern Lepisorus contortus. Journal of Natural Products, 2011, 74, 129-136.	1.5	34
56	Xâ€ray structural studies of quinone reductase 2 nanomolar range inhibitors. Protein Science, 2011, 20, 1182-1195.	3.1	38
57	Resveratrol derivatives as promising chemopreventive agents with improved potency and selectivity. Molecular Nutrition and Food Research, 2011, 55, 1249-1265.	1.5	52
58	Identification of a Glycogen Synthase Kinaseâ€3Î² Inhibitor that Attenuates Hyperactivity in CLOCK Mutant Mice. ChemMedChem, 2011, 6, 1593-1602.	1.6	36
59	Development and validation of a yeast high-throughput screen for inhibitors of AÎ²42 oligomerization. DMM Disease Models and Mechanisms, 2011, 4, 822-831.	1.2	43
60	A Universal, Fully Automated High Throughput Screening Assay for Pyrophosphate and Phosphate Release from Enzymatic Reactions. Combinatorial Chemistry and High Throughput Screening, 2010, 13, 27-38.	0.6	21
61	Isolation and evaluation of kaempferol glycosides from the fern Neocheiropteris palmatopedata. Phytochemistry, 2010, 71, 641-647.	1.4	32
62	Design, synthesis, and biological evaluation of resveratrol analogues as aromatase and quinone reductase 2 inhibitors for chemoprevention of cancer. Bioorganic and Medicinal Chemistry, 2010, 18, 5352-5366.	1.4	79
63	Pleiotropic mechanisms facilitated by resveratrol and its metabolites. Biochemical Journal, 2010, 429, 273-282.	1.7	154
64	Deubiquitinating and Interferon Antagonism Activities of Coronavirus Papain-Like Proteases. Journal of Virology, 2010, 84, 4619-4629.	1.5	267
65	Potential Chemopreventive Agents Based on the Structure of the Lead Compound 2-Bromo-1-hydroxyphenazine, Isolated from Streptomyces Species, Strain CNS284. Journal of Medicinal Chemistry, 2010, 53, 8688-8699.	2.9	69
66	Severe Acute Respiratory Syndrome Coronavirus Papain-like Novel Protease Inhibitors: Design, Synthesis, Proteinâ^'Ligand X-ray Structure and Biological Evaluation. Journal of Medicinal Chemistry, 2010, 53, 4968-4979.	2.9	129
67	Kinetic, Thermodynamic, and Structural Insight into the Mechanism of Phosphopantetheine Adenylyltransferase from Mycobacterium tuberculosis. Journal of Molecular Biology, 2010, 404, 202-219.	2.0	24
68	Development of an efficient E. coli expression and purification system for a catalytically active, human Cullin3â€“RINGBox1 protein complex and elucidation of its quaternary structure with Keap1. Biochemical and Biophysical Research Communications, 2010, 400, 471-475.	1.0	16
69	Kinetic and Structural Characterization of a Heterohexamer 4-Oxalocrotonate Tautomerase from Chloroflexus aurantiacus J-10-fl: Implications for Functional and Structural Diversity in the Tautomerase Superfamily,. Biochemistry, 2010, 49, 5016-5027.	1.2	25
70	Abstract A58: Cul3â€mediated Nrf2 ubiquitination and ARE activation are dependent on the partial molar volume at position 151 of Keap1. , 2010, , .		0
71	Severe Acute Respiratory Syndrome Coronavirus Papain-Like Protease Ubiquitin-Like Domain and Catalytic Domain Regulate Antagonism of IRF3 and NF-ÎºB Signaling. Journal of Virology, 2009, 83, 6689-6705.	1.5	325
72	Use of molecular modeling, docking, and 3D-QSAR studies for the determination of the binding mode of benzofuran-3-yl-(indol-3-yl)maleimides as GSK-3Î² inhibitors. Journal of Molecular Modeling, 2009, 15, 1463-1479.	0.8	13

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73	Natural product leads for drug discovery: Isolation, synthesis and biological evaluation of 6-cyano-5-methoxyindolo[2,3-a]carbazole based ligands as antibacterial agents. Bioorganic and Medicinal Chemistry, 2009, 17, 7126-7130.	1.4	23
74	Synthesis of Casimiroin and Optimization of Its Quinone Reductase 2 and Aromatase Inhibitory Activities. Journal of Medicinal Chemistry, 2009, 52, 1873-1884.	2.9	74
75	Kinetic and X-Ray Structural Evidence for Negative Cooperativity in Substrate Binding to Nicotinate Mononucleotide Adenylyltransferase (NMAT) from Bacillus anthracis. Journal of Molecular Biology, 2009, 385, 867-888.	2.0	16
76	Structural Basis for Catalysis of a Tetrameric Class IIa Fructose 1,6-Bisphosphate Aldolase from Mycobacterium tuberculosis. Journal of Molecular Biology, 2009, 386, 1038-1053.	2.0	38
77	Structure-Based and Random Mutagenesis Approaches Increase the Organophosphate-Degrading Activity of a Phosphotriesterase Homologue from Deinococcus radiodurans. Journal of Molecular Biology, 2009, 393, 36-57.	2.0	75
78	Structural basis for thermostability revealed through the identification and characterization of a highly thermostable phosphotriesterase-like lactonase from Geobacillus stearothermophilus. Archives of Biochemistry and Biophysics, 2009, 488, 109-120.	1.4	64
79	Structure-Based Design, Synthesis, and Biological Evaluation of a Series of Novel and Reversible Inhibitors for the Severe Acute Respiratory Syndromeâ"Coronavirus Papain-Like Protease. Journal of Medicinal Chemistry, 2009, 52, 5228-5240.	2.9	110
80	Lamiridosins, Hepatitis C Virus Entry Inhibitors from Lamium album. Journal of Natural Products, 2009, 72, 2158-2162.	1.5	62
81	Cul3-mediated Nrf2 ubiquitination and antioxidant response element (ARE) activation are dependent on the partial molar volume at position 151 of Keap1. Biochemical Journal, 2009, 422, 171-180.	1.7	141
82	Structural and mechanistic analysis oftrans-3-chloroacrylic acid dehalogenase activity. Acta Crystallographica Section D: Biological Crystallography, 2008, 64, 1277-1282.	2.5	2
83	Molecular mechanisms of natural products in chemoprevention: Induction of cytoprotective enzymes by Nrf2. Molecular Nutrition and Food Research, 2008, 52 Suppl 1, S84-94.	1.5	117
84	Design and Synthesis of Aryl Ether Inhibitors of the Bacillus Anthracis Enoylâ€ACP Reductase. ChemMedChem, 2008, 3, 1250-1268.	1.6	40
85	Design and synthesis of 2-pyridones as novel inhibitors of the Bacillus anthracis enoyl-ACP reductase. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 3565-3569.	1.0	31
86	Design, synthesis and antiviral efficacy of a series of potent chloropyridyl ester-derived SARS-CoV 3CLpro inhibitors. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 5684-5688.	1.0	99
87	The structures of T87I phosphono-CheY and T87I/Y106W phosphono-CheY help to explain their binding affinities to the FliM and CheZ peptides. Archives of Biochemistry and Biophysics, 2008, 479, 105-113.	1.4	6
88	Evaluating the 3C-like protease activity of SARS-Coronavirus: Recommendations for standardized assays for drug discovery. Virus Research, 2008, 133, 63-73.	1.1	161
89	Prospective Type 1 and Type 2 Disulfides of Keap1 Protein. Chemical Research in Toxicology, 2008, 21, 2051-2060.	1.7	81
90	Bacillus anthracis o-Succinylbenzoyl-CoA Synthetase: Reaction Kinetics and a Novel Inhibitor Mimicking Its Reaction Intermediate. Biochemistry, 2008, 47, 12434-12447.	1.2	32

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91	Viral destruction of cell surface receptors: Fig. 1.. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 8807-8808.	3.3	9
92	A noncovalent class of papain-like protease/deubiquitinase inhibitors blocks SARS virus replication. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 16119-16124.	3.3	407
93	Kinetic, thermodynamic and X-ray structural insights into the interaction of melatonin and analogues with quinone reductase 2. Biochemical Journal, 2008, 413, 81-91.	1.7	81
94	Proteolytic Processing and Deubiquitinating Activity of Papain-Like Proteases of Human Coronavirus NL63. Journal of Virology, 2007, 81, 6007-6018.	1.5	87
95	Structural and Functional Analysis of Two Glutamate Racemase Isozymes from Bacillus anthracis and Implications for Inhibitor Design. Journal of Molecular Biology, 2007, 371, 1219-1237.	2.0	50
96	Identification of the Highly Reactive Cysteine 151 in the Chemopreventive Agent-Sensor Keap1 Protein is Method-Dependent. Chemical Research in Toxicology, 2007, 20, 1878-1884.	1.7	75
97	Structure-based design, synthesis, and biological evaluation of peptidomimetic SARS-CoV 3CLpro inhibitors. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 5876-5880.	1.0	94
98	Sites of alkylation of human Keap1 by natural chemoprevention agents. Journal of the American Society for Mass Spectrometry, 2007, 18, 2226-2232.	1.2	161
99	Miliusanes, A Class of Cytotoxic Agents fromMiliusa sinensis. Journal of Medicinal Chemistry, 2006, 49, 693-708.	2.9	30
100	Progress in Anti-SARS Coronavirus Chemistry, Biology and Chemotherapy. Annual Reports in Medicinal Chemistry, 2006, 41, 183-196.	0.5	35
101	An ELISA method to measure inhibition of the COX enzymes. Nature Protocols, 2006, 1, 1915-1921.	5.5	25
102	Activity-guided isolation of cytotoxic constituents from the bark of Aglaia crassinervia collected in Indonesia. Bioorganic and Medicinal Chemistry, 2006, 14, 960-972.	1.4	59
103	Bruguiesulfurol, A New Sulfur Compound fromBruguiera gymnorrhiza. Planta Medica, 2006, 72, 255-260.	0.7	31
104	Severe acute respiratory syndrome coronavirus papain-like protease: Structure of a viral deubiquitinating enzyme. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 5717-5722.	3.3	356
105	Absorption and subcellular localization of lycopene in human prostate cancer cells. Molecular Cancer Therapeutics, 2006, 5, 2879-2885.	1.9	57
106	Deubiquitinating Activity of the SARS-CoV Papain-Like Protease. Advances in Experimental Medicine and Biology, 2006, 581, 37-41.	0.8	30
107	Structural Basis for Tumor Pyruvate Kinase M2 Allosteric Regulation and Catalysis,. Biochemistry, 2005, 44, 9417-9429.	1.2	347
108	Design, Syntheis, and Evaluation of Oxyanion-Hole Selective Inhibitor Substituents for the S1 Subsite of Factor Xa.. ChemInform, 2005, 36, no.	0.1	0

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109	Conceptual design of a macromolecular neutron diffractometer (MaNDi) for the SNS. Journal of Applied Crystallography, 2005, 38, 964-974.	1.9	31
110	The Papain-Like Protease of Severe Acute Respiratory Syndrome Coronavirus Has Deubiquitinating Activity. Journal of Virology, 2005, 79, 15189-15198.	1.5	482
111	Modifying specific cysteines of the electrophile-sensing human Keap1 protein is insufficient to disrupt binding to the Nrf2 domain Neh2. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 10070-10075.	3.3	420
112	Screening Method for the Discovery of Potential Cancer Chemoprevention Agents Based on Mass Spectrometric Detection of Alkylated Keap1. Analytical Chemistry, 2005, 77, 6407-6414.	3.2	56
113	Design and Synthesis of Peptidomimetic Severe Acute Respiratory Syndrome Chymotrypsin-like Protease Inhibitors. Journal of Medicinal Chemistry, 2005, 48, 6767-6771.	2.9	114
114	Structural and mutational studies of organophosphorus hydrolase reveal a cryptic and functional allosteric-binding site. Archives of Biochemistry and Biophysics, 2005, 442, 169-179.	1.4	38
115	Xanthohumol Isolated from Humulus lupulus Inhibits Menadione-Induced DNA Damage through Induction of Quinone Reductase. Chemical Research in Toxicology, 2005, 18, 1296-1305.	1.7	183
116	Design, synthesis, and evaluation of oxyanion-hole selective inhibitor substituents for the S1 subsite of factor Xa. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 5165-5170.	1.0	8
117	Equine Catechol Estrogen 4-Hydroxyequilenin Is a More Potent Inhibitor of the Variant Form of Catechol-O-Methyltransferase. Chemical Research in Toxicology, 2004, 17, 512-520.	1.7	15
118	Silvestrol and Episilvestrol, Potential Anticancer Rocaglate Derivatives fromAglaia silvestris. Journal of Organic Chemistry, 2004, 69, 3350-3358.	1.7	175
119	Antimycobacterial Naphthopyrones fromSenna obliquaâŠ¥. Journal of Natural Products, 2004, 67, 225-227.	1.5	43
120	New 3-O-Acyl Betulinic Acids fromStrychnos vanprukiiCraib. Journal of Natural Products, 2004, 67, 994-998.	1.5	36
121	New Sesquiterpenes fromLitseaverticillata. Journal of Natural Products, 2003, 66, 609-615.	1.5	92
122	Isolation and absolute stereochemistry of coussaric acid, a new bioactive triterpenoid from the stems of Coussarea brevicaulis. Phytochemistry, 2003, 64, 293-302.	1.4	32
123	Activity-Guided Isolation of Novel Norwithanolides from Deprea subtriflora with Potential Cancer Chemopreventive Activity. Journal of Organic Chemistry, 2003, 68, 2350-2361.	1.7	38
124	New Manzamine Alkaloids with Activity against Infectious and Tropical Parasitic Diseases from an Indonesian Sponge. Journal of Natural Products, 2003, 66, 823-828.	1.5	138
125	Regioselective Covalent Modification of Hemoglobin in Search of Antisickling Agents. Journal of Medicinal Chemistry, 2003, 46, 936-953.	2.9	33
126	Catechol Estrogen 4-Hydroxyequilenin Is a Substrate and an Inhibitor of Catechol-O-Methyltransferase. Chemical Research in Toxicology, 2003, 16, 668-675.	1.7	25

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127	Black Cohosh Acts as a Mixed Competitive Ligand and Partial Agonist of the Serotonin Receptor. Journal of Agricultural and Food Chemistry, 2003, 51, 5661-5670.	2.4	185
128	Potential Cancer Chemopreventive Constituents of the Seeds ofDipteryxodorata(Tonka Bean). Journal of Natural Products, 2003, 66, 583-587.	1.5	69
129	Phosphorylation of Serine 256 Suppresses Transactivation by FKHR (FOXO1) by Multiple Mechanisms. Journal of Biological Chemistry, 2002, 277, 45276-45284.	1.6	265
130	Bioactive Constituents of the Seeds of Brucea javanica. Planta Medica, 2002, 68, 730-733.	0.7	67
131	Constituents ofMusaÃ—paradisiacaCultivar with the Potential To Induce the Phase II Enzyme, Quinone Reductase. Journal of Agricultural and Food Chemistry, 2002, 50, 6330-6334.	2.4	39
132	New Chemical Constituents ofEuphorbiaquinquecostataand Absolute Configuration Assignment by a Convenient Mosher Ester Procedure Carried Out in NMR Tubes. Journal of Natural Products, 2002, 65, 1278-1282.	1.5	208
133	Isolation, Structure Elucidation, and Absolute Configuration of 26-Deoxyactein fromCimicifugaracemosaand Clarification of Nomenclature Associated with 27-Deoxyactein. Journal of Natural Products, 2002, 65, 601-605.	1.5	106
134	An oxyanion-Hole selective serine protease inhibitor in complex with trypsin. Bioorganic and Medicinal Chemistry, 2002, 10, 41-46.	1.4	18
135	Isolation and characterization of bioactive principles of the leaves and stems of Physalis philadelphica. Tetrahedron, 2002, 58, 3453-3466.	1.0	101
136	Vitexlactam A, a novel labdane diterpene lactam from the fruits of Vitex agnus-castus. Tetrahedron Letters, 2002, 43, 5131-5134.	0.7	54
137	Genetic interaction between yeast Saccharomyces cerevisiae release factors and the decoding region of 18 S rRNA. Journal of Molecular Biology, 2001, 305, 715-727.	2.0	28
138	A new model for protein stereospecificity. Nature, 2000, 403, 614-615.	13.7	155
139	Sites of Binding and Orientation in a Four-Location Model for Protein Stereospecificity. IUBMB Life, 2000, 49, 457-466.	1.5	27
140	Characterization of novel rad6/ubc2 ubiquitin-conjugating enzyme mutants in yeast. Current Genetics, 2000, 37, 221-233.	0.8	22
141	Role of Lysine 240 in the Mechanism of Yeast Pyruvate Kinase Catalysis. Biochemistry, 1999, 38, 9137-9145.	1.2	22
142	Millisecond Laue structures of an enzymeâ€“product complex using photocaged substrate analogs. Nature Structural Biology, 1998, 5, 891-897.	9.7	49
143	Metal-Ion-Mediated Allosteric Triggering of Yeast Pyruvate Kinase 2. A Multidimensional Thermodynamic Linked-Function Analysis. Biochemistry, 1997, 36, 6803-6813.	1.2	40
144	Metal-Ion-Mediated Allosteric Triggering of Yeast Pyruvate Kinase. 1. A Multidimensional Kinetic Linked-Function Analysis. Biochemistry, 1997, 36, 6792-6802.	1.2	44

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145	Orbital Steering in the Catalytic Power of Enzymes: Small Structural Changes with Large Catalytic Consequences. Science, 1997, 277, 202-206.	6.0	214