Matthew A Young

List of Publications by Year
in descending order

28 papers	3,689 citations	361413 20 h-index	552781 26 g-index
28 all docs	28 docs citations	28 times ranked	4348 citing authors

#	Article	IF	Citations
1	Structural Basis for the Autoinhibition of c-Abl Tyrosine Kinase. Cell, 2003, 112, 859-871.	28.9	762
2	Intrusion of Counterions into the Spine of Hydration in the Minor Groove of B-DNA:â€‰ Fractional Occupancy of Electronegative Pockets. Journal of the American Chemical Society, 1997, 119, 59-69.	13.7	379
3	Dynamic Coupling between the SH2 and SH3 Domains of c-Src and Hck Underlies Their Inactivation by C-Terminal Tyrosine Phosphorylation. Cell, 2001, 105, 115-126.	28.9	366
4	Molecular dynamics simulation of nucleic acids: Successes, limitations, and promise. Biopolymers, 2000, 56, 232-256.	2.4	307
5	Structure of the Kinase Domain of an Imatinib-Resistant Abl Mutant in Complex with the Aurora Kinase Inhibitor VX-680. Cancer Research, 2006, 66, 1007-1014.	0.9	282
6	A Src-Like Inactive Conformation in the Abl Tyrosine Kinase Domain. PLoS Biology, 2006, 4, e144.	5.6	277
7	Molecular Dynamics Simulations of the 136 Unique Tetranucleotide Sequences of DNA Oligonucleotides. I. Research Design and Results on d(CpG) Steps. Biophysical Journal, 2004, 87, 3799-3813.	0.5	245
8	High yield bacterial expression of active c-Abl and c-Src tyrosine kinases. Protein Science, 2005, 14, 3135-3139.	7.6	206
9	Emerging Potential of Therapeutic Targeting of Ubiquitin-Specific Proteases in the Treatment of Cancer. Cancer Research, 2014, 74, 4955-4966.	0.9	159
10	Characterization of potent inhibitors of the Bcr-Abl and the c-kit receptor tyrosine kinases. Cancer Research, 2002, 62, 4244-55.	0.9	131
11	Targeting deubiquitinase activity with a novel small-molecule inhibitor as therapy for B-cell malignancies. Blood, 2015, 125, 3588-3597.	1.4	104
12	Briefly Bound to Activate: Transient Binding of a Second Catalytic Magnesium Activates the Structure and Dynamics of CDK2 Kinase for Catalysis. Structure, 2011, 19, 675-690.	3.3	93
13	Price To Be Paid for Two-Metal Catalysis: Magnesium Ions That Accelerate Chemistry Unavoidably Limit Product Release from a Protein Kinase. Journal of the American Chemical Society, 2012, 134, 15357-15370.	13.7	67
14	Improved enrichment strategies for phosphorylated peptides on titanium dioxide using methyl esterification and pH gradient elution. Analytical Biochemistry, 2008, 377, 234-242.	2.4	45
15	Conformational Properties of the TATA-Box Binding Sequence of DNA. Journal of Biomolecular Structure and Dynamics, 1997, 14, 757-765.	3.5	44
16	Assessment of the molecular dynamics structure of DNA in solution based on calculated and observed NMR NOESY volumes and dihedral angles from scalar coupling constants. Biopolymers, 2003, 68, 3-15.	2.4	38
17	Mg2+ regulation of kinase signaling and immune function. Journal of Experimental Medicine, 2019, 216, 1828-1842.	8.5	37
18	[5] Structure determination and analysis of local bending in an A-tract DNA duplex: Comparison of results from crystallography, nuclear magnetic resonance, and molecular dynamics simulation on d(CGCAAAAATGCG). Methods in Enzymology, 1995, 261, 121-144.	1.0	32

#	Article	IF	Citations
19	Structure of a Thyroid Hormone Receptor DNA-Binding Domain Homodimer Bound to an Inverted Palindrome DNA Response Element. Molecular Endocrinology, 2010, 24, 1650-1664.	3.7	29
20	Kinase-Independent Small-Molecule Inhibition of JAK-STAT Signaling. Journal of the American Chemical Society, 2015, 137, 7929-7934.	13.7	29
21	Regulation of luteinizing hormone receptor mRNA expression by mevalonate kinase â€“ role of the catalytic center in mRNA recognition. FEBS Journal, 2008, 275, 3397-3407.	4.7	14
22	Degrasyn-like symmetrical compounds: Possible therapeutic agents for multiple myeloma (MM-I). Bioorganic and Medicinal Chemistry, 2014, 22, 1450-1458.	3.0	12
23	One nanosecond molecular dynamics simulation of the N-terminal domain of the Î» repressor protein. Biopolymers, 2000, 53, 596-605.	2.4	11
24	Molecular dynamics simulation reveals sequence-intrinsic and protein-induced geometrical features of the OL1 DNA operator. Biopolymers, 2001, 59, 205-225.	2.4	6
25	Molecular dynamics simulation accurately predicts the experimentally-observed distributions of the (C, N, O) protein atoms around water molecules and sodium ions. , 2000, 39, 212-215.		5
26	Molecular dynamics simulation of nucleic acids: Successes, limitations, and promise* We would like to dedicate this article to Peter Kollman, a friend, collaborator, mentor, and all around good guy. Peter was very enthusiastic about DNA simulation; he will be sorely missed.. Biopolymers, 2000, 56, 232.	2.4	5
27	Molecular dynamics simulation of nucleic acids: Successes, limitations, and promise*. , 2000, 56, 232.		3
28	Molecular Dynamics Information Extraction. The IMA Volumes in Mathematics and Its Applications, 1999, , 127-147.	0.5	1