Mark W Richards

List of Publications by Year
in descending order

33 papers	1,689 citations	236925 25 h-index	414414 32 g-index
37 all docs	37 docs citations	37 times ranked	2643 citing authors

#	Article	IF	Citations
1	Differential protein stability and clinical responses ofEML4-ALK fusion variants to various ALK inhibitors in advancedALK-rearranged non-small cell lung cancer. Annals of Oncology, 2017, 28, 791-797.	1.2	178
2	Structural basis of N-Myc binding by Aurora-A and its destabilization by kinase inhibitors. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13726-13731.	7.1	130
3	Ca2+ channel Î²-subunits: structural insights AID our understanding. Trends in Pharmacological Sciences, 2004, 25, 626-632.	8.7	100
4	Crystal structure of EML1 reveals the basis for Hsp90 dependence of oncogenic EML4-ALK by disruption of an atypical Î²-propeller domain. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 5195-5200.	7.1	93
5	Crystal structure of an Aurora-A mutant that mimics Aurora-B bound to MLN8054: insights into selectivity and drug design. Biochemical Journal, 2010, 427, 19-28.	3.7	86
6	An Autoinhibitory Tyrosine Motif in the Cell-Cycle-Regulated Nek7 Kinase Is Released through Binding of Nek9. Molecular Cell, 2009, 36, 560-570.	9.7	83
7	Molecular mechanisms that underpin EML4-ALK driven cancers and their response to targeted drugs. Cellular and Molecular Life Sciences, 2016, 73, 1209-1224.	5.4	80
8	Coordination of adjacent domains mediates TACC3â€“ch-TOGâ€“clathrin assembly and mitotic spindle binding. Journal of Cell Biology, 2013, 202, 463-478.	5.2	76
9	Interaction via a Key Tryptophan in the I-II Linker of N-Type Calcium Channels Is Required for Â1 But Not for Palmitoylated Â2, Implicating an Additional Binding Site in the Regulation of Channel Voltage-Dependent Properties. Journal of Neuroscience, 2005, 25, 6984-6996.	3.6	75
10	Microtubule association of EML proteins and the EML4-ALK variant 3 oncoprotein require an N-terminal trimerization domain. Biochemical Journal, 2015, 467, 529-536.	3.7	73
11	Mitotic spindle association of TACC3 requires Auroraâ€Aâ€dependent stabilization of a cryptic Î±â€helix. EMBO Journal, 2018, 37, .	7.8	55
12	Structural Basis of Poly(ADP-ribose) Recognition by the Multizinc Binding Domain of Checkpoint with Forkhead-associated and RING Domains (CHFR). Journal of Biological Chemistry, 2010, 285, 39348-39358.	3.4	54
13	Combined inhibition of Aurora-A and ATR kinases results in regression of MYCN-amplified neuroblastoma. Nature Cancer, 2021, 2, 312-326.	13.2	50
14	Molecular mechanisms of human IRE1 activation through dimerization and ligand binding. Oncotarget, 2015, 6, 13019-13035.	1.8	49
15	Insights into the Conformational Variability and Regulation of Human Nek2 Kinase. Journal of Molecular Biology, 2009, 386, 476-485.	4.2	47
16	Hsp72 is targeted to the mitotic spindle by Nek6 to promote K-fiber assembly and mitotic progression. Journal of Cell Biology, 2015, 209, 349-358.	5.2	44
17	Mechanistic basis of Nek7 activation through Nek9 binding and induced dimerization. Nature Communications, 2015, 6, 8771.	12.8	43
18	Characterization of Three Druggable Hot-Spots in the Aurora-A/TPX2 Interaction Using Biochemical, Biophysical, and Fragment-Based Approaches. ACS Chemical Biology, 2017, 12, 2906-2914.	3.4	40

#	Article	IF	Citations
19	Orally bioavailable CDK9/2 inhibitor shows mechanism-based therapeutic potential in MYCN-driven neuroblastoma. Journal of Clinical Investigation, 2020, 130, 5875-5892.	8.2	40
20	Allosteric inhibition of Aurora-A kinase by a synthetic vNAR domain. Open Biology, 2016, 6, 160089.	3.6	39
21	The HOOK-Domain Between the SH3- and the GK-Domains of Ca_VÎ² Subunits Contains Key Determinants Controlling Calcium Channel Inactivation. Channels, 2007, 1, 92-101.	2.8	32
22	Phaseâ€separated foci of EML4â€ALK facilitate signalling and depend upon an active kinase conformation. EMBO Reports, 2021, 22, e53693.	4.5	31
23	Mitotic phosphorylation by NEK6 and NEK7 reduces the microtubule affinity of EML4 to promote chromosome congression. Science Signaling, 2019, 12, .	3.6	30
24	EML4-ALK V3 oncogenic fusion proteins promote microtubule stabilization and accelerated migration through NEK9 and NEK7. Journal of Cell Science, 2020, 133, .	2.0	30
25	The importance of occupancy rather than affinity of CaVÎ² subunits for the calcium channel I-II linker in relation to calcium channel function. Journal of Physiology, 2006, 574, 387-398.	2.9	26
26	A moving target: structure and disorder in pursuit of Myc inhibitors. Biochemical Society Transactions, 2017, 45, 709-717.	3.4	26
27	Eml1 loss impairs apical progenitor spindle length and soma shape in the developing cerebral cortex. Scientific Reports, 2017, 7, 17308.	3.3	26
28	A Pocket on the Surface of the N-Terminal BRCT Domain of Mcph1 Is Required to Prevent Abnormal Chromosome Condensation. Journal of Molecular Biology, 2010, 395, 908-915.	4.2	12
29	A closed conformation of the Caenorhabditis elegans separaseâ€“securin complex. Open Biology, 2016, 6, 160032.	3.6	10
30	Mitotic phosphorylation regulates Hsp72 spindle localization by uncoupling ATP binding from substrate release. Science Signaling, 2018, 11, .	3.6	8
31	Discovery and Optimization of wt-RET/KDR-Selective Inhibitors of RET^{V804M} Kinase. ACS Medicinal Chemistry Letters, 2020, 11, 497-505.	2.8	8
32	2-Arylamino-6-ethynylpurines are cysteine-targeting irreversible inhibitors of Nek2 kinase. RSC Medicinal Chemistry, 2020, 11, 707-731.	3.9	8
33	EML4-ALK V3 Drives Cell Migration Through NEK9 and NEK7 Kinases in Non-Small-Cell Lung Cancer. SSRN Electronic Journal, 0, , .	0.4	0