Kathryn M Ferguson

List of Publications by Year
in descending order

21 papers	4,597 citations	516710 16 h-index	839539 18 g-index
22 all docs	22 docs citations	22 times ranked	5791 citing authors

#	Article	IF	Citations
1	Glioblastoma mutations alter EGFR dimer structure to prevent ligand bias. Nature, 2022, 602, 518-522.	27.8	36
2	Insulin and epidermal growth factor receptor family members share parallel activation mechanisms. Protein Science, 2020, 29, 1331-1344.	7.6	31
3	The Mechanism of Ligandâ€Induced Activation of the Tie Family of Receptor Tyrosine Kinases. FASEB Journal, 2019, 33, 809.10.	0.5	0
4	Molecular Basis for Necitumumab Inhibition of EGFR Variants Associated with Acquired Cetuximab Resistance. Molecular Cancer Therapeutics, 2018, 17, 521-531.	4.1	45
5	Structural Basis for MARK1 Kinase Autoinhibition by Its KA1 Domain. Structure, 2018, 26, 1137-1143.e3.	3.3	15
6	Dimerization of Tie2 mediated by its membrane-proximal FNIII domains. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 4382-4387.	7.1	29
7	Molecular determinants of KA1 domain-mediated autoinhibition and phospholipid activation of MARK1 kinase. Biochemical Journal, 2017, 474, 385-398.	3.7	21
8	EGFR Ligands Differentially Stabilize Receptor Dimers to Specify Signaling Kinetics. Cell, 2017, 171, 683-695.e18.	28.9	276
9	Intramolecular autoinhibition of checkpoint kinase 1 is mediated by conserved basic motifs of the C-terminal kinaseâ€“associated 1 domain. Journal of Biological Chemistry, 2017, 292, 19024-19033.	3.4	15
10	Comparison of Saccharomyces cerevisiae F-BAR Domain Structures Reveals a Conserved Inositol Phosphate Binding Site. Structure, 2015, 23, 352-363.	3.3	40
11	Complex Relationship between Ligand Binding and Dimerization in the Epidermal Growth Factor Receptor. Cell Reports, 2014, 9, 1306-1317.	6.4	78
12	The EGFR Family: Not So Prototypical Receptor Tyrosine Kinases. Cold Spring Harbor Perspectives in Biology, 2014, 6, a020768-a020768.	5.5	345
13	Discoidin Discoveries. Structure, 2012, 20, 568-570.	3.3	0
14	Structural aspects of extracellular EGFR signaling. FASEB Journal, 2009, 23, 198.3.	0.5	0
15	Structure-Based View of Epidermal Growth Factor Receptor Regulation. Annual Review of Biophysics, 2008, 37, 353-373.	10.0	306
16	Structural basis for inhibition of the epidermal growth factor receptor by cetuximab. Cancer Cell, 2005, 7, 301-311.	16.8	949
17	Epidermal Growth Factor Receptor Dimerization and Activation Require Ligand-Induced Conformational Changes in the Dimer Interface. Molecular and Cellular Biology, 2005, 25, 7734-7742.	2.3	247
18	EGF Activates Its Receptor by Removing Interactions that Autoinhibit Ectodomain Dimerization. Molecular Cell, 2003, 11, 507-517.	9.7	675

#	Article	IF	Citations
19	An Open-and-Shut Case? Recent Insights into the Activation of EGF/ErbB Receptors. Molecular Cell, 2003, 12, 541-552.	9.7	774
20	Signal-dependent membrane targeting by pleckstrin homology (PH) domains. Biochemical Journal, 2000, 350, 1-18.	3.7	656
21	Scratching the surface with the PH domain. Nature Structural and Molecular Biology, 1995, 2, 715-718.	8.2	59