Onur Dagliyan

List of Publications by Year
in descending order

26 papers	1,166 citations	361413 20 h-index	580821 25 g-index
30 all docs	30 docs citations	30 times ranked	1829 citing authors

#	Article	IF	Citations
1	Engineering extrinsic disorder to control protein activity in living cells. Science, 2016, 354, 1441-1444.	12.6	185
2	Rational design of a ligand-controlled protein conformational switch. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6800-6804.	7.1	111
3	Structural and Dynamic Determinants of Protein-Peptide Recognition. Structure, 2011, 19, 1837-1845.	3.3	79
4	Computational design of chemogenetic and optogenetic split proteins. Nature Communications, 2018, 9, 4042.	12.8	75
5	Bidirectional perisomatic inhibitory plasticity of a Fos neuronal network. Nature, 2021, 590, 115-121.	27.8	70
6	Low-Dose Vertical Inhibition of the RAF-MEK-ERK Cascade Causes Apoptotic Death of KRAS Mutant Cancers. Cell Reports, 2020, 31, 107764.	6.4	69
7	Optimization Based Tumor Classification from Microarray Gene Expression Data. PLoS ONE, 2011, 6, e14579.	2.5	60
8	Knowledge-Based Design of a Biosensor to Quantify Localized ERK Activation in Living Cells. Chemistry and Biology, 2013, 20, 847-856.	6.0	49
9	Expression of the transcription factor PU.1 induces the generation of microglia-like cells in human cortical organoids. Nature Communications, 2022, 13, 430.	12.8	49
10	Engineered kinase activation reveals unique morphodynamic phenotypes and associated trafficking for Src family isoforms. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12420-12425.	7.1	47
11	Engineering proteins for allosteric control by light or ligands. Nature Protocols, 2019, 14, 1863-1883.	12.0	46
12	FRET binding antenna reports spatiotemporal dynamics of GDI–Cdc42 GTPase interactions. Nature Chemical Biology, 2016, 12, 802-809.	8.0	45
13	Computational approaches to understanding protein aggregation in neurodegeneration. Journal of Molecular Cell Biology, 2014, 6, 104-115.	3.3	43
14	Profiling cellular morphodynamics by spatiotemporal spectrum decomposition. PLoS Computational Biology, 2018, 14, e1006321.	3.2	34
15	Rational design and implementation of a chemically inducible heterotrimerization system. Nature Methods, 2020, 17, 928-936.	19.0	30
16	Structure Based Discovery of Small Molecules to Regulate the Activity of Human Insulin Degrading Enzyme. PLoS ONE, 2012, 7, e31787.	2.5	27
17	Engineering Pak1 Allosteric Switches. ACS Synthetic Biology, 2017, 6, 1257-1262.	3.8	26
18	Controlling protein conformation with light. Current Opinion in Structural Biology, 2019, 57, 17-22.	5.7	25

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19	Intrinsic Disorder Mediates Cooperative Signal Transduction in STIM1. Journal of Molecular Biology, 2014, 426, 2082-2097.	4.2	24
20	Identification of Novel Integrin Binding Partners for Calcium and Integrin Binding Protein 1 (CIB1): Structural and Thermodynamic Basis of CIB1 Promiscuity. Biochemistry, 2013, 52, 7082-7090.	2.5	21
21	Classification of Cytochrome P450 Inhibitors with Respect to Binding Free Energy and pIC_{50} Using Common Molecular Descriptors. Journal of Chemical Information and Modeling, 2009, 49, 2403-2411.	5.4	19
22	Biosensors based on peptide exposure show single molecule conformations in live cells. Cell, 2021, 184, 5670-5685.e23.	28.9	15
23	Engineering a switchable single‐chain TEV protease to control protein maturation in living neurons. Bioengineering and Translational Medicine, 2022, 7, .	7.1	7
24	Gain-of-Function Mutation W493R in the Epithelial Sodium Channel Allosterically Reconfigures Intersubunit Coupling. Journal of Biological Chemistry, 2016, 291, 3682-3692.	3.4	6
25	Morphodynamic Profiling of Cell Protrusion Based on Spatiotemporal Spectrum Decomposition and Unsupervised Clustering. Biophysical Journal, 2017, 112, 45a.	0.5	4
26	Probe the Conformational Changes of Individual Molecules in Living Cells. Biophysical Journal, 2018, 114, 21a.	0.5	0