

Neel H Shah

List of Publications by Year in descending order

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31
papers

2,058
citations

331259

21
h-index

433756

31
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44
all docs

44
docs citations

44
times ranked

2471
citing authors

#	ARTICLE	IF	CITATIONS
1	A saturation-mutagenesis analysis of the interplay between stability and activation in Ras. <i>ELife</i> , 2022, 11, .	2.8	13
2	Prediction of proteinâ€“ligand binding affinity from sequencing data with interpretable machine learning. <i>Nature Biotechnology</i> , 2022, 40, 1520-1527.	9.4	38
3	Differences in the dynamics of the <scp>tandemâ€“SH2</scp> modules of the Syk and <scp>ZAP</scp>â€“70 tyrosine kinases. <i>Protein Science</i> , 2021, 30, 2373-2384.	3.1	10
4	Identification, Characterization, and Optimization of Split Inteins. <i>Methods in Molecular Biology</i> , 2020, 2133, 31-54.	0.4	1
5	Slow phosphorylation of a tyrosine residue in LAT optimizes T cell ligand discrimination. <i>Nature Immunology</i> , 2019, 20, 1481-1493.	7.0	64
6	Variation in assembly stoichiometry in nonâ€“metazoan homologs of the hub domain of Ca²⁺/calmodulinâ€“dependent protein kinase II. <i>Protein Science</i> , 2019, 28, 1071-1082.	3.1	16
7	Understanding molecular mechanisms in cell signaling through natural and artificial sequence variation. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 25-34.	3.6	28
8	Learning from ancestors. <i>ELife</i> , 2019, 8, .	2.8	1
9	ZAP-70 in Signaling, Biology, and Disease. <i>Annual Review of Immunology</i> , 2018, 36, 127-156.	9.5	105
10	The Src module: an ancient scaffold in the evolution of cytoplasmic tyrosine kinases. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2018, 53, 535-563.	2.3	62
11	Fine-tuning of substrate preferences of the Src-family kinase Lck revealed through a high-throughput specificity screen. <i>ELife</i> , 2018, 7, .	2.8	51
12	Deep mutational analysis reveals functional trade-offs in the sequences of EGFR autophosphorylation sites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E7303-E7312.	3.3	28
13	Lck promotes Zap70-dependent LAT phosphorylation by bridging Zap70 to LAT. <i>Nature Immunology</i> , 2018, 19, 733-741.	7.0	115
14	A promiscuous split intein with expanded protein engineering applications. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 8538-8543.	3.3	102
15	Deconstruction of the Ras switching cycle through saturation mutagenesis. <i>ELife</i> , 2017, 6, .	2.8	95
16	An electrostatic selection mechanism controls sequential kinase signaling downstream of the T cell receptor. <i>ELife</i> , 2016, 5, .	2.8	85
17	Design of a Split Intein with Exceptional Protein Splicing Activity. <i>Journal of the American Chemical Society</i> , 2016, 138, 2162-2165.	6.6	133
18	Modification by covalent reaction or oxidation of cysteine residues in the tandem-SH2 domains of ZAP-70 and Syk can block phosphopeptide binding. <i>Biochemical Journal</i> , 2015, 465, 149-161.	1.7	21

#	ARTICLE	IF	CITATIONS
19	Structural and dynamical features of inteins and implications on protein splicing.. Journal of Biological Chemistry, 2014, 289, 19278.	1.6	1
20	Inteins: nature's gift to protein chemists. Chemical Science, 2014, 5, 446-461.	3.7	310
21	Structural and Dynamical Features of Inteins and Implications on Protein Splicing. Journal of Biological Chemistry, 2014, 289, 14506-14511.	1.6	55
22	Extein Residues Play an Intimate Role in the Rate-Limiting Step of Protein <i>Trans</i> -Splicing. Journal of the American Chemical Society, 2013, 135, 5839-5847.	6.6	63
23	Streamlined Expressed Protein Ligation Using Split Inteins. Journal of the American Chemical Society, 2013, 135, 286-292.	6.6	90
24	Naturally Split Inteins Assemble through a "Capture and Collapse" Mechanism. Journal of the American Chemical Society, 2013, 135, 18673-18681.	6.6	63
25	Ultrafast Protein Splicing is Common among Cyanobacterial Split Inteins: Implications for Protein Engineering. Journal of the American Chemical Society, 2012, 134, 11338-11341.	6.6	122
26	Peptoid Atropisomers. Journal of the American Chemical Society, 2011, 133, 10910-10919.	6.6	61
27	Split Inteins: Nature's Protein Ligases. Israel Journal of Chemistry, 2011, 51, 854-861.	1.0	31
28	Kinetic Control of One-Pot <i>Trans</i> -Splicing Reactions by Using a Wild-Type and Designed Split Intein. Angewandte Chemie - International Edition, 2011, 50, 6511-6515.	7.2	61
29	Direct Generation of Polymer Films on Copper Surfaces through Azide-Alkyne Cycloaddition Reactions between Peptidomimetic Oligomers. Macromolecular Rapid Communications, 2008, 29, 1134-1139.	2.0	6
30	Oligo(<i>N</i> -aryl glycines): A New Twist on Structured Peptoids. Journal of the American Chemical Society, 2008, 130, 16622-16632.	6.6	186
31	Photoresponsive peptoid oligomers bearing azobenzene side chains. Organic and Biomolecular Chemistry, 2008, 6, 2516.	1.5	24