

J Mark Skehel

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

4,207
citations

136950

32
h-index

138484

58
g-index

67
all docs

67
docs citations

67
times ranked

6873
citing authors

#	ARTICLE	IF	CITATIONS
1	Multidimensional Dynamics of the Proteome in the Neurodegenerative and Aging Mammalian Brain. Molecular and Cellular Proteomics, 2022, 21, 100192.	3.8	5
2	Mpe1 senses the binding of pre-mRNA and controls 3' end processing by CPF. Molecular Cell, 2022, 82, 2490-2504.e12.	9.7	9
3	Profiling the Site of Protein CoAlation and Coenzyme A Stabilization Interactions. Antioxidants, 2022, 11, 1362.	5.1	6
4	Shulin packages axonemal outer dynein arms for ciliary targeting. Science, 2021, 371, 910-916.	12.6	31
5	Controlled Ligand Exchange Between Ruthenium Organometallic Cofactor Precursors and a Na ⁺ -ve Protein Scaffold Generates Artificial Metalloenzymes Catalysing Transfer Hydrogenation. Angewandte Chemie - International Edition, 2021, 60, 10919-10927.	13.8	3
6	Structural basis for VPS34 kinase activation by Rab1 and Rab5 on membranes. Nature Communications, 2021, 12, 1564.	12.8	50
7	Controlled Ligand Exchange Between Ruthenium Organometallic Cofactor Precursors and a Na ⁺ -ve Protein Scaffold Generates Artificial Metalloenzymes Catalysing Transfer Hydrogenation. Angewandte Chemie, 2021, 133, 11014-11022.	2.0	0
8	Redox Regulation of the Quorum-sensing Transcription Factor AgrA by Coenzyme A. Antioxidants, 2021, 10, 841.	5.1	9
9	Structure of the TELO2-TTI1-TTI2 complex and its function in TOR recruitment to the R2TP chaperone. Cell Reports, 2021, 36, 109317.	6.4	20
10	Repurposed floxacins targeting RSK4 prevent chemoresistance and metastasis in lung and bladder cancer. Science Translational Medicine, 2021, 13, .	12.4	19
11	Regulation of metastasis suppressor NME1 by a key metabolic cofactor coenzyme A. Redox Biology, 2021, 44, 101978.	9.0	17
12	Bipartite binding and partial inhibition links DEPTOR and mTOR in a mutually antagonistic embrace. ELife, 2021, 10, .	6.0	5
13	Extensive Anti-CoA Immunostaining in Alzheimer's Disease and Covalent Modification of Tau by a Key Cellular Metabolite Coenzyme A. Frontiers in Cellular Neuroscience, 2021, 15, 739425.	3.7	8
14	Phosphorylation-dependent BRD4 dimerization and implications for therapeutic inhibition of BET family proteins. Communications Biology, 2021, 4, 1273.	4.4	10
15	Arginine methylation and ubiquitylation crosstalk controls DNA end-resection and homologous recombination repair. Nature Communications, 2021, 12, 6313.	12.8	16
16	Covalent Aurora A regulation by the metabolic integrator coenzyme A. Redox Biology, 2020, 28, 101318.	9.0	45
17	A bipartite structural organization defines the SERINC family of HIV-1 restriction factors. Nature Structural and Molecular Biology, 2020, 27, 78-83.	8.2	50
18	Structure of a human 48S translational initiation complex. Science, 2020, 369, 1220-1227.	12.6	138

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19	Analysis of disulphide bond linkage between CoA and protein cysteine thiols during sporulation and in spores of <i>Bacillus</i> species. FEMS Microbiology Letters, 2020, 367, .	1.8	6
20	Cryo-EM Structure of the Fork Protection Complex Bound to CMG at a Replication Fork. Molecular Cell, 2020, 78, 926-940.e13.	9.7	111
21	Human CNS barrier-forming organoids with cerebrospinal fluid production. Science, 2020, 369, .	12.6	244
22	Mechanistic Insights into Regulation of the ALC1 Remodeler by the Nucleosome Acidic Patch. Cell Reports, 2020, 33, 108529.	6.4	20
23	Inter-membrane association of the Sec and BAM translocons for bacterial outer-membrane biogenesis. ELife, 2020, 9, .	6.0	39
24	A key metabolic integrator, coenzyme A, modulates the activity of peroxiredoxin 5 via covalent modification. Molecular and Cellular Biochemistry, 2019, 461, 91-102.	3.1	22
25	Recommendations for performing, interpreting and reporting hydrogen deuterium exchange mass spectrometry (HDX-MS) experiments. Nature Methods, 2019, 16, 595-602.	19.0	452
26	Structural Organization and Dynamics of Homodimeric Cytohesin Family Arf GTPase Exchange Factors in Solution and on Membranes. Structure, 2019, 27, 1782-1797.e7.	3.3	14
27	Structures of Respiratory Supercomplex I+III2 Reveal Functional and Conformational Crosstalk. Molecular Cell, 2019, 75, 1131-1146.e6.	9.7	148
28	First Community-Wide, Comparative Cross-Linking Mass Spectrometry Study. Analytical Chemistry, 2019, 91, 6953-6961.	6.5	100
29	Activation of the Endonuclease that Defines mRNA 3' Ends Requires Incorporation into an 8-Subunit Core Cleavage and Polyadenylation Factor Complex. Molecular Cell, 2019, 73, 1217-1231.e11.	9.7	70
30	Architecture of the mycobacterial type VII secretion system. Nature, 2019, 576, 321-325.	27.8	89
31	Structure of the Fanconi anaemia monoubiquitin ligase complex. Nature, 2019, 575, 234-237.	27.8	80
32	The Atypical MAP Kinase ErkB Transmits Distinct Chemotactic Signals through a Core Signaling Module. Developmental Cell, 2019, 48, 491-505.e9.	7.0	28
33	A NuRD Complex from <i>Xenopus laevis</i> Eggs Is Essential for DNA Replication during Early Embryogenesis. Cell Reports, 2018, 22, 2265-2278.	6.4	11
34	RPAP3 provides a flexible scaffold for coupling HSP90 to the human R2TP co-chaperone complex. Nature Communications, 2018, 9, 1501.	12.8	54
35	Protein CoAlation and antioxidant function of coenzyme A in prokaryotic cells. Biochemical Journal, 2018, 475, 1909-1937.	3.7	60
36	Trivalent RING Assembly on Retroviral Capsids Activates TRIM5 Ubiquitination and Innate Immune Signaling. Cell Host and Microbe, 2018, 24, 761-775.e6.	11.0	82

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37	POLE3-POLE4 Is a Histone H3-H4 Chaperone that Maintains Chromatin Integrity during DNA Replication. <i>Molecular Cell</i> , 2018, 72, 112-126.e5.	9.7	87
38	PRMT5-Dependent Methylation of the TIP60 Coactivator RUVBL1 Is a Key Regulator of Homologous Recombination. <i>Molecular Cell</i> , 2017, 65, 900-916.e7.	9.7	106
39	Structure of the <i>Escherichia coli</i> ProQ RNA-binding protein. <i>Rna</i> , 2017, 23, 696-711.	3.5	50
40	The accessory Sec system (SecY2A2) in <i>Streptococcus pneumoniae</i> is involved in export of pneumolysin toxin, adhesion and biofilm formation. <i>Microbes and Infection</i> , 2017, 19, 402-412.	1.9	23
41	Protein CoAlation: a redox-regulated protein modification by coenzyme A in mammalian cells. <i>Biochemical Journal</i> , 2017, 474, 2489-2508.	3.7	65
42	Crystal structure of the N-terminal domain of human Timeless and its interaction with Tipin. <i>Nucleic Acids Research</i> , 2017, 45, 5555-5563.	14.5	18
43	Architecture of eukaryotic mRNA 3' end processing machinery. <i>Science</i> , 2017, 358, 1056-1059.	12.6	124
44	High-fidelity DNA replication in <i>Mycobacterium tuberculosis</i> relies on a trinuclear zinc center. <i>Nature Communications</i> , 2017, 8, 855.	12.8	23
45	Mechanistic Insights into Autoinhibition of the Oncogenic Chromatin Remodeler ALC1. <i>Molecular Cell</i> , 2017, 68, 847-859.e7.	9.7	53
46	The Structure of the R2TP Complex Defines a Platform for Recruiting Diverse Client Proteins to the HSP90 Molecular Chaperone System. <i>Structure</i> , 2017, 25, 1145-1152.e4.	3.3	48
47	Molecular mechanism of APC/C activation by mitotic phosphorylation. <i>Nature</i> , 2016, 533, 260-264.	27.8	159
48	Atomic structure of the entire mammalian mitochondrial complex I. <i>Nature</i> , 2016, 538, 406-410.	27.8	427
49	Molecular basis of APC/C regulation by the spindle assembly checkpoint. <i>Nature</i> , 2016, 536, 431-436.	27.8	178
50	Mechanism and Regulation of DNA-Protein Crosslink Repair by the DNA-Dependent Metalloprotease SPRTN. <i>Molecular Cell</i> , 2016, 64, 688-703.	9.7	189
51	CTNNBL1 facilitates the association of CWC15 with CDC5L and is required to maintain the abundance of the Prp19 spliceosomal complex. <i>Nucleic Acids Research</i> , 2015, 43, 7058-7069.	14.5	19
52	Human PrimPol is a highly error-prone polymerase regulated by single-stranded DNA binding proteins. <i>Nucleic Acids Research</i> , 2015, 43, 1056-1068.	14.5	93
53	Phosphorylation-Dependent PIH1D1 Interactions Define Substrate Specificity of the R2TP Cochaperone Complex. <i>Cell Reports</i> , 2014, 7, 19-26.	6.4	74
54	Arginine methylation of the c-Jun coactivator RACO-1 is required for c-Jun/AP-1 activation. <i>EMBO Journal</i> , 2013, 32, 1556-1567.	7.8	34

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55	CK2 Phospho-Dependent Binding of R2TP Complex to TEL2 Is Essential for mTOR and SMG1 Stability. Molecular Cell, 2010, 39, 839-850.	9.7	175
56	The F1Fo-ATPase Complex from Bovine Heart Mitochondria:Â The Molar Ratio of the Subunits in the Stalk Region Linking the F1and FoDomains. Biochemistry, 1996, 35, 12640-12646.	2.5	76
57	The ATPase Inhibitor Protein from Bovine Heart Mitochondria:Â The Minimal Inhibitory Sequenceâ€. Biochemistry, 1996, 35, 15618-15625.	2.5	79
58	Electrospray ionization mass spectrometric analysis of subunits of NADH:ubiquinone oxidoreductase (complex I) from bovine heart mitochondria. Biochemical Society Transactions, 1994, 22, 551-555.	3.4	13