

J Mark Skehel

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

4,207
citations

136740

32
h-index

138251

58
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67
all docs

67
docs citations

67
times ranked

6873
citing authors

#	ARTICLE	IF	CITATIONS
1	Recommendations for performing, interpreting and reporting hydrogen deuterium exchange mass spectrometry (HDX-MS) experiments. <i>Nature Methods</i> , 2019, 16, 595-602.	9.0	452
2	Atomic structure of the entire mammalian mitochondrial complex I. <i>Nature</i> , 2016, 538, 406-410.	13.7	427
3	Human CNS barrier-forming organoids with cerebrospinal fluid production. <i>Science</i> , 2020, 369, .	6.0	244
4	Mechanism and Regulation of DNA-Protein Crosslink Repair by the DNA-Dependent Metalloprotease SPRTN. <i>Molecular Cell</i> , 2016, 64, 688-703.	4.5	189
5	Molecular basis of APC/C regulation by the spindle assembly checkpoint. <i>Nature</i> , 2016, 536, 431-436.	13.7	178
6	CK2 Phospho-Dependent Binding of R2TP Complex to TEL2 Is Essential for mTOR and SMG1 Stability. <i>Molecular Cell</i> , 2010, 39, 839-850.	4.5	175
7	Molecular mechanism of APC/C activation by mitotic phosphorylation. <i>Nature</i> , 2016, 533, 260-264.	13.7	159
8	Structures of Respiratory Supercomplex I+III ₂ Reveal Functional and Conformational Crosstalk. <i>Molecular Cell</i> , 2019, 75, 1131-1146.e6.	4.5	148
9	Structure of a human 48S translational initiation complex. <i>Science</i> , 2020, 369, 1220-1227.	6.0	138
10	Architecture of eukaryotic mRNA 3' end processing machinery. <i>Science</i> , 2017, 358, 1056-1059.	6.0	124
11	Cryo-EM Structure of the Fork Protection Complex Bound to CMG at a Replication Fork. <i>Molecular Cell</i> , 2020, 78, 926-940.e13.	4.5	111
12	PRMT5-Dependent Methylation of the TIP60 Coactivator RUVBL1 Is a Key Regulator of Homologous Recombination. <i>Molecular Cell</i> , 2017, 65, 900-916.e7.	4.5	106
13	First Community-Wide, Comparative Cross-Linking Mass Spectrometry Study. <i>Analytical Chemistry</i> , 2019, 91, 6953-6961.	3.2	100
14	Human PrimPol is a highly error-prone polymerase regulated by single-stranded DNA binding proteins. <i>Nucleic Acids Research</i> , 2015, 43, 1056-1068.	6.5	93
15	Architecture of the mycobacterial type VII secretion system. <i>Nature</i> , 2019, 576, 321-325.	13.7	89
16	POLE3-POLE4 Is a Histone H3-H4 Chaperone that Maintains Chromatin Integrity during DNA Replication. <i>Molecular Cell</i> , 2018, 72, 112-126.e5.	4.5	87
17	Trivalent RING Assembly on Retroviral Capsids Activates TRIM5 Ubiquitination and Innate Immune Signaling. <i>Cell Host and Microbe</i> , 2018, 24, 761-775.e6.	5.1	82
18	Structure of the Fanconi anaemia monoubiquitin ligase complex. <i>Nature</i> , 2019, 575, 234-237.	13.7	80

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19	The ATPase Inhibitor Protein from Bovine Heart Mitochondria: The Minimal Inhibitory Sequence. <i>Biochemistry</i> , 1996, 35, 15618-15625.	1.2	79
20	The F1Fo-ATPase Complex from Bovine Heart Mitochondria: The Molar Ratio of the Subunits in the Stalk Region Linking the F1 and Fo Domains. <i>Biochemistry</i> , 1996, 35, 12640-12646.	1.2	76
21	Phosphorylation-Dependent PIH1D1 Interactions Define Substrate Specificity of the R2TP Cochaperone Complex. <i>Cell Reports</i> , 2014, 7, 19-26.	2.9	74
22	Activation of the Endonuclease that Defines mRNA 3' Ends Requires Incorporation into an 8-Subunit Core Cleavage and Polyadenylation Factor Complex. <i>Molecular Cell</i> , 2019, 73, 1217-1231.e11.	4.5	70
23	Protein CoAlation: a redox-regulated protein modification by coenzyme A in mammalian cells. <i>Biochemical Journal</i> , 2017, 474, 2489-2508.	1.7	65
24	Protein CoAlation and antioxidant function of coenzyme A in prokaryotic cells. <i>Biochemical Journal</i> , 2018, 475, 1909-1937.	1.7	60
25	RPAP3 provides a flexible scaffold for coupling HSP90 to the human R2TP co-chaperone complex. <i>Nature Communications</i> , 2018, 9, 1501.	5.8	54
26	Mechanistic Insights into Autoinhibition of the Oncogenic Chromatin Remodeler ALC1. <i>Molecular Cell</i> , 2017, 68, 847-859.e7.	4.5	53
27	Structure of the <i>Escherichia coli</i> ProQ RNA-binding protein. <i>Rna</i> , 2017, 23, 696-711.	1.6	50
28	A bipartite structural organization defines the SERINC family of HIV-1 restriction factors. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 78-83.	3.6	50
29	Structural basis for VPS34 kinase activation by Rab1 and Rab5 on membranes. <i>Nature Communications</i> , 2021, 12, 1564.	5.8	50
30	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.	1.6	48
31	Covalent Aurora A regulation by the metabolic integrator coenzyme A. <i>Redox Biology</i> , 2020, 28, 101318.	3.9	45
32	Inter-membrane association of the Sec and BAM translocons for bacterial outer-membrane biogenesis. <i>ELife</i> , 2020, 9, .	2.8	39
33	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.	3.5	34
34	Shulin packages axonemal outer dynein arms for ciliary targeting. <i>Science</i> , 2021, 371, 910-916.	6.0	31
35	The Atypical MAP Kinase ErkB Transmits Distinct Chemotactic Signals through a Core Signaling Module. <i>Developmental Cell</i> , 2019, 48, 491-505.e9.	3.1	28
36	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.	1.0	23

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37	High-fidelity DNA replication in <i>Mycobacterium tuberculosis</i> relies on a trinuclear zinc center. <i>Nature Communications</i> , 2017, 8, 855.	5.8	23
38	A key metabolic integrator, coenzyme A, modulates the activity of peroxiredoxin 5 via covalent modification. <i>Molecular and Cellular Biochemistry</i> , 2019, 461, 91-102.	1.4	22
39	Structure of the TELO2-TTI1-TTI2 complex and its function in TOR recruitment to the R2TP chaperone. <i>Cell Reports</i> , 2021, 36, 109317.	2.9	20
40	Mechanistic Insights into Regulation of the ALC1 Remodeler by the Nucleosome Acidic Patch. <i>Cell Reports</i> , 2020, 33, 108529.	2.9	20
41	CTNNB1 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.	6.5	19
42	Repurposed floxacins targeting RSK4 prevent chemoresistance and metastasis in lung and bladder cancer. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	19
43	Crystal structure of the N-terminal domain of human Timeless and its interaction with Tipin. <i>Nucleic Acids Research</i> , 2017, 45, 5555-5563.	6.5	18
44	Regulation of metastasis suppressor NME1 by a key metabolic cofactor coenzyme A. <i>Redox Biology</i> , 2021, 44, 101978.	3.9	17
45	Arginine methylation and ubiquitylation crosstalk controls DNA end-resection and homologous recombination repair. <i>Nature Communications</i> , 2021, 12, 6313.	5.8	16
46	Structural Organization and Dynamics of Homodimeric Cytohesin Family Arf GTPase Exchange Factors in Solution and on Membranes. <i>Structure</i> , 2019, 27, 1782-1797.e7.	1.6	14
47	Electrospray ionization mass spectrometric analysis of subunits of NADH:ubiquinone oxidoreductase (complex I) from bovine heart mitochondria. <i>Biochemical Society Transactions</i> , 1994, 22, 551-555.	1.6	13
48	A NuRD Complex from <i>Xenopus laevis</i> Eggs Is Essential for DNA Replication during Early Embryogenesis. <i>Cell Reports</i> , 2018, 22, 2265-2278.	2.9	11
49	Phosphorylation-dependent BRD4 dimerization and implications for therapeutic inhibition of BET family proteins. <i>Communications Biology</i> , 2021, 4, 1273.	2.0	10
50	Redox Regulation of the Quorum-sensing Transcription Factor AgrA by Coenzyme A. <i>Antioxidants</i> , 2021, 10, 841.	2.2	9
51	Mpe1 senses the binding of pre-mRNA and controls 3' end processing by CPF. <i>Molecular Cell</i> , 2022, 82, 2490-2504.e12.	4.5	9
52	Extensive Anti-CoA Immunostaining in Alzheimer's Disease and Covalent Modification of Tau by a Key Cellular Metabolite Coenzyme A. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 739425.	1.8	8
53	Analysis of disulphide bond linkage between CoA and protein cysteine thiols during sporulation and in spores of <i>Bacillus</i> species. <i>FEMS Microbiology Letters</i> , 2020, 367, .	0.7	6
54	Profiling the Site of Protein CoAlation and Coenzyme A Stabilization Interactions. <i>Antioxidants</i> , 2022, 11, 1362.	2.2	6

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55	Bipartite binding and partial inhibition links DEPTOR and mTOR in a mutually antagonistic embrace. <i>ELife</i> , 2021, 10, .	2.8	5
56	Multidimensional Dynamics of the Proteome in the Neurodegenerative and Aging Mammalian Brain. <i>Molecular and Cellular Proteomics</i> , 2022, 21, 100192.	2.5	5
57	Controlled Ligand Exchange Between Ruthenium Organometallic Cofactor Precursors and a Na ⁺ -ve Protein Scaffold Generates Artificial Metalloenzymes Catalysing Transfer Hydrogenation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10919-10927.	7.2	3
58	Controlled Ligand Exchange Between Ruthenium Organometallic Cofactor Precursors and a Na ⁺ -ve Protein Scaffold Generates Artificial Metalloenzymes Catalysing Transfer Hydrogenation. <i>Angewandte Chemie</i> , 2021, 133, 11014-11022.	1.6	0