

# Kamel El Omari

## List of Publications by Year in descending order

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37  
papers

1,681  
citations

279701

23  
h-index

330025

37  
g-index

39  
all docs

39  
docs citations

39  
times ranked

2778  
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal structure of the RNA-dependent RNA polymerase from influenza C virus. <i>Nature</i> , 2015, 527, 114-117.	13.7	145
2	Structure of a Pestivirus Envelope Glycoprotein E2 Clarifies Its Role in Cell Entry. <i>Cell Reports</i> , 2013, 3, 30-35.	2.9	124
3	Importance of potassium ions for ribosome structure and function revealed by long-wavelength X-ray diffraction. <i>Nature Communications</i> , 2019, 10, 2519.	5.8	124
4	Influenza Polymerase Can Adopt an Alternative Configuration Involving a Radical Repacking of PB2 Domains. <i>Molecular Cell</i> , 2016, 61, 125-137.	4.5	123
5	Crystal Structure of the Herpesvirus Nuclear Egress Complex Provides Insights into Inner Nuclear Membrane Remodeling. <i>Cell Reports</i> , 2015, 13, 2645-2652.	2.9	80
6	The crystal structure of human dopamine $\beta$ -hydroxylase at 2.9 Å... resolution. <i>Science Advances</i> , 2016, 2, e1500980.	4.7	80
7	Unexpected structure for the N-terminal domain of hepatitis C virus envelope glycoprotein E1. <i>Nature Communications</i> , 2014, 5, 4874.	5.8	72
8	Unexpected features and mechanism of heterodimer formation of a herpesvirus nuclear egress complex. <i>EMBO Journal</i> , 2015, 34, 2937-2952.	3.5	69
9	Structural basis for antibacterial peptide self-immunity by the bacterial ABC transporter McjD. <i>EMBO Journal</i> , 2017, 36, 3062-3079.	3.5	64
10	Molecular Architecture and Ligand Recognition Determinants for T4 RNA Ligase. <i>Journal of Biological Chemistry</i> , 2006, 281, 1573-1579.	1.6	61
11	Structure of the leukemia oncogene LMO2: implications for the assembly of a hematopoietic transcription factor complex. <i>Blood</i> , 2011, 117, 2146-2156.	0.6	59
12	Multiple liquid crystalline geometries of highly compacted nucleic acid in a dsRNA virus. <i>Nature</i> , 2019, 570, 252-256.	13.7	59
13	Structural Basis for LMO2-Driven Recruitment of the SCL:E47bHLH Heterodimer to Hematopoietic-Specific Transcriptional Targets. <i>Cell Reports</i> , 2013, 4, 135-147.	2.9	56
14	The morphogen Sonic hedgehog inhibits its receptor Patched by a pincer grasp mechanism. <i>Nature Chemical Biology</i> , 2019, 15, 975-982.	3.9	52
15	The conserved protein Seb1 drives transcription termination by binding RNA polymerase II and nascent RNA. <i>Nature Communications</i> , 2017, 8, 14861.	5.8	48
16	Plate Tectonics of Virus Shell Assembly and Reorganization in Phage $\phi$ 8, a Distant Relative of Mammalian Reoviruses. <i>Structure</i> , 2013, 21, 1384-1395.	1.6	45
17	Anomalous X-ray diffraction studies of ion transport in K <sup>+</sup> channels. <i>Nature Communications</i> , 2018, 9, 4540.	5.8	42
18	Structural basis for non-competitive product inhibition in human thymidine phosphorylase: implications for drug design. <i>Biochemical Journal</i> , 2006, 399, 199-204.	1.7	38

#	ARTICLE	IF	CITATIONS
19	The structure of a prokaryotic viral envelope protein expands the landscape of membrane fusion proteins. <i>Nature Communications</i> , 2019, 10, 846.	5.8	37
20	Double-stranded RNA virus outer shell assembly by bona fide domain-swapping. <i>Nature Communications</i> , 2017, 8, 14814.	5.8	35
21	Pushing the limits of sulfur SAD phasing: <i>de novo</i> structure solution of the N-terminal domain of the ectodomain of HCV E1. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 2197-2203.	2.5	33
22	Structure of vaccinia virus thymidine kinase in complex with dTTP: insights for drug design. <i>BMC Structural Biology</i> , 2006, 6, 22.	2.3	31
23	Structure and assembly of the S-layer in <i>C. difficile</i> . <i>Nature Communications</i> , 2022, 13, 970.	5.8	30
24	Crystal Structure of CC3 (TIP30). <i>Journal of Biological Chemistry</i> , 2005, 280, 18229-18236.	1.6	27
25	Tracking in atomic detail the functional specializations in viral RecA helicases that occur during evolution. <i>Nucleic Acids Research</i> , 2013, 41, 9396-9410.	6.5	23
26	Structure of <i>Staphylococcus aureus</i> guanylate monophosphate kinase. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2006, 62, 949-953.	0.7	21
27	Structure of the DNA-bound T-box domain of human TBX1, a transcription factor associated with the DiGeorge syndrome. <i>Proteins: Structure, Function and Bioinformatics</i> , 2012, 80, 655-660.	1.5	21
28	Mutations Distal to the Substrate Site Can Affect Varicella Zoster Virus Thymidine Kinase Activity: Implications for Drug Design. <i>Molecular Pharmacology</i> , 2006, 69, 1891-1896.	1.0	16
29	Hedgehog-Interacting Protein is a multimodal antagonist of Hedgehog signalling. <i>Nature Communications</i> , 2021, 12, 7171.	5.8	16
30	Functional metagenomic screening identifies an unexpected $\beta$ -glucuronidase. <i>Nature Chemical Biology</i> , 2022, 18, 1096-1103.	3.9	16
31	Native <i>de novo</i> structural determinations of non-canonical nucleic acid motifs by X-ray crystallography at long wavelengths. <i>Nucleic Acids Research</i> , 2020, 48, 9886-9898.	6.5	13
32	Atypical Porcine Pestiviruses: Relationships and Conserved Structural Features. <i>Viruses</i> , 2021, 13, 760.	1.5	5
33	Identifying dynamic, partially occupied residues using anomalous scattering. <i>Acta Crystallographica Section D: Structural Biology</i> , 2019, 75, 1084-1095.	1.1	5
34	Purification, crystallization and preliminary X-ray analysis of a fusion of the LIM domains of LMO2 and the LID domain of Ldb1. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010, 66, 1466-1469.	0.7	4
35	Experimental phasing with vanadium and application to nucleotide-binding membrane proteins. <i>IUCr</i> , 2020, 7, 1092-1101.	1.0	3
36	Phosphorus and sulfur SAD phasing of the nucleic acid-bound DNA-binding domain of interferon regulatory factor 4. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2021, 77, 202-207.	0.4	2

#	ARTICLE	IF	CITATIONS
37	The design and development of drugs acting against the smallpox virus. Expert Opinion on Drug Discovery, 2007, 2, 1263-1272.	2.5	1