

Lisa Craig

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

37
papers

4,401
citations

23
h-index

41
g-index

41
ext. papers

4,907
ext. citations

12.9
avg, IF

5.24
L-index

#	Paper	IF	Citations
37	The minor pilin PilV provides a conserved adhesion site throughout the antigenically variable meningococcal type IV pilus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	2
36	The minor pilin TcpB mediates uptake of the cholera toxin phage CTX. <i>Journal of Biological Chemistry</i> , 2019 , 294, 15698-15710	5.4	10
35	Purification of Type IV Pili and Pilin Subunits. <i>Methods in Molecular Biology</i> , 2019 , 1997, 97-110	1.4	0
34	Type IV pili: dynamics, biophysics and functional consequences. <i>Nature Reviews Microbiology</i> , 2019 , 17, 429-440	22.2	146
33	Structure of the conserved Francisella virulence protein FvFA. <i>Acta Crystallographica Section D: Structural Biology</i> , 2017 , 73, 814-821	5.5	
32	Cryoelectron Microscopy Reconstructions of the Pseudomonas aeruginosa and Neisseria gonorrhoeae Type IV Pili at Sub-nanometer Resolution. <i>Structure</i> , 2017 , 25, 1423-1435.e4	5.2	58
31	Structure of the Neisseria meningitidis Type IV pilus. <i>Nature Communications</i> , 2016 , 7, 13015	17.4	87
30	The Vibrio cholerae Minor Pilin TcpB Initiates Assembly and Retraction of the Toxin-Coregulated Pilus. <i>PLoS Pathogens</i> , 2016 , 12, e1006109	7.6	42
29	Structures of lactate dehydrogenase A (LDHA) in apo, ternary and inhibitor-bound forms. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015 , 71, 185-95		33
28	Crystal Structure of the Minor Pilin CofB, the Initiator of CFA/III Pilus Assembly in Enterotoxigenic Escherichia coli. <i>Journal of Biological Chemistry</i> , 2015 , 290, 25805-18	5.4	17
27	Type IV pili in Gram-positive bacteria. <i>Microbiology and Molecular Biology Reviews</i> , 2013 , 77, 323-41	13.2	134
26	Structure of the cytoplasmic domain of TcpE, the inner membrane core protein required for assembly of the Vibrio cholerae toxin-coregulated pilus. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013 , 69, 513-9		8
25	The structure of the CS1 pilus of enterotoxigenic Escherichia coli reveals structural polymorphism. <i>Journal of Bacteriology</i> , 2013 , 195, 1360-70	3.5	15
24	Structure and secretion of CofJ, a putative colonization factor of enterotoxigenic Escherichia coli. <i>Molecular Microbiology</i> , 2013 , 90, 898-918	4.1	14
23	Expression, purification, crystallization and preliminary crystallographic analysis of PilA from the nontypeable Haemophilus influenzae type IV pilus. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012 , 68, 284-7		1
22	Structure of the Vibrio cholerae Type IVb Pilus and stability comparison with the Neisseria gonorrhoeae type IVa pilus. <i>Journal of Molecular Biology</i> , 2012 , 418, 47-64	6.5	52
21	Structure of an essential type IV pilus biogenesis protein provides insights into pilus and type II secretion systems. <i>Journal of Molecular Biology</i> , 2012 , 419, 110-24	6.5	22

20	Crystal structures of a CTXphi pIII domain unbound and in complex with a <i>Vibrio cholerae</i> TolA domain reveal novel interaction interfaces. <i>Journal of Biological Chemistry</i> , 2012 , 287, 36258-72	5.4	15
19	Structural characterization of CFA/III and Longus type IVb pili from enterotoxigenic <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2012 , 194, 2725-35	3.5	19
18	Crystal structure of the <i>Vibrio cholerae</i> colonization factor TcpF and identification of a functional immunogenic site. <i>Journal of Molecular Biology</i> , 2011 , 409, 146-58	6.5	15
17	Ultrahigh resolution and full-length pilin structures with insights for filament assembly, pathogenic functions, and vaccine potential. <i>Journal of Biological Chemistry</i> , 2011 , 286, 44254-44265	5.4	48
16	<i>Vibrio cholerae</i> El Tor TcpA crystal structure and mechanism for pilus-mediated microcolony formation. <i>Molecular Microbiology</i> , 2010 , 77, 755-70	4.1	27
15	Exploring peptide mimics for the production of antibodies against discontinuous protein epitopes. <i>Molecular Immunology</i> , 2010 , 47, 1137-48	4.3	24
14	Type IV pili: paradoxes in form and function. <i>Current Opinion in Structural Biology</i> , 2008 , 18, 267-77	8.1	215
13	<i>Vibrio cholerae</i> toxin-coregulated pilus structure analyzed by hydrogen/deuterium exchange mass spectrometry. <i>Structure</i> , 2008 , 16, 137-48	5.2	57
12	Type IV pilus structure by cryo-electron microscopy and crystallography: implications for pilus assembly and functions. <i>Molecular Cell</i> , 2006 , 23, 651-62	17.6	317
11	The ATPase activity of BfpD is greatly enhanced by zinc and allosteric interactions with other Bfp proteins. <i>Journal of Biological Chemistry</i> , 2005 , 280, 24839-48	5.4	32
10	Type IV pilus structure and bacterial pathogenicity. <i>Nature Reviews Microbiology</i> , 2004 , 2, 363-78	22.2	571
9	Full-length archaeal Rad51 structure and mutants: mechanisms for RAD51 assembly and control by BRCA2. <i>EMBO Journal</i> , 2003 , 22, 4566-76	13	211
8	ALS mutants of human superoxide dismutase form fibrous aggregates via framework destabilization. <i>Journal of Molecular Biology</i> , 2003 , 332, 601-15	6.5	171
7	Type IV pilin structure and assembly: X-ray and EM analyses of <i>Vibrio cholerae</i> toxin-coregulated pilus and <i>Pseudomonas aeruginosa</i> PAK pilin. <i>Molecular Cell</i> , 2003 , 11, 1139-50	17.6	232
6	The Rad50 zinc-hook is a structure joining Mre11 complexes in DNA recombination and repair. <i>Nature</i> , 2002 , 418, 562-6	50.4	425
5	Structural biochemistry and interaction architecture of the DNA double-strand break repair Mre11 nuclease and Rad50-ATPase. <i>Cell</i> , 2001 , 105, 473-85	56.2	397
4	Structural biology of Rad50 ATPase: ATP-driven conformational control in DNA double-strand break repair and the ABC-ATPase superfamily. <i>Cell</i> , 2000 , 101, 789-800	56.2	820
3	The role of structure in antibody cross-reactivity between peptides and folded proteins. <i>Journal of Molecular Biology</i> , 1998 , 281, 183-201	6.5	81

2 Random peptide libraries. *Current Opinion in Biotechnology*, **1994**, 5, 40-8

11.4 77

1 Type IV pili share a conserved mechanism of motor-independent retraction that is an inherent property of the pilus filament

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