

# Mickal L Lelimosin

## 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.

16  
papers

1,222  
citations

14  
h-index

16  
g-index

16  
ext. papers

1,440  
ext. citations

10.5  
avg, IF

4.05  
L-index

#	Paper	IF	Citations
16	Induction of rare conformation of oligosaccharide by binding to calcium-dependent bacterial lectin: X-ray crystallography and modelling study. <i>European Journal of Medicinal Chemistry</i> , <b>2019</b> , 177, 212-220	6.8	2
15	The effect of mutations in the lid region of <i>Thermomyces lanuginosus</i> lipase on interactions with triglyceride surfaces: A multi-scale simulation study. <i>Chemistry and Physics of Lipids</i> , <b>2018</b> , 211, 4-15	3.7	14
14	Effect of Noncanonical Amino Acids on Protein-Carbohydrate Interactions: Structure, Dynamics, and Carbohydrate Affinity of a Lectin Engineered with Fluorinated Tryptophan Analogs. <i>ACS Chemical Biology</i> , <b>2018</b> , 13, 2211-2219	4.9	9
13	Biomimetic Phospholipid Membrane Organization on Graphene and Graphene Oxide Surfaces: A Molecular Dynamics Simulation Study. <i>ACS Nano</i> , <b>2017</b> , 11, 1613-1625	16.7	54
12	Interfacial activation of M37 lipase: A multi-scale simulation study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2017</b> , 1859, 340-349	3.8	15
11	Structure of <i>Arabidopsis thaliana</i> FUT1 Reveals a Variant of the GT-B Class Fold and Provides Insight into Xyloglucan Fucosylation. <i>Plant Cell</i> , <b>2016</b> , 28, 2352-2364	11.6	20
10	Conformational Changes in the Epidermal Growth Factor Receptor: Role of the Transmembrane Domain Investigated by Coarse-Grained MetaDynamics Free Energy Calculations. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 10611-22	16.4	63
9	The Hidden Conformation of Lewis x, a Human Histo-Blood Group Antigen, Is a Determinant for Recognition by Pathogen Lectins. <i>ACS Chemical Biology</i> , <b>2016</b> , 11, 2011-20	4.9	27
8	Gating-like Motions and Wall Porosity in a DNA Nanopore Scaffold Revealed by Molecular Simulations. <i>ACS Nano</i> , <b>2015</b> , 9, 11209-17	16.7	38
7	Membrane perturbation by carbon nanotube insertion: pathways to internalization. <i>Small</i> , <b>2013</b> , 9, 3639-46	16.7	59
6	Structure-guided evolution of cyan fluorescent proteins towards a quantum yield of 93%. <i>Nature Communications</i> , <b>2012</b> , 3, 751	17.4	468
5	Rational design of photoconvertible and biphotochromic fluorescent proteins for advanced microscopy applications. <i>Chemistry and Biology</i> , <b>2011</b> , 18, 1241-51		79
4	Intrinsic dynamics in ECFP and Cerulean control fluorescence quantum yield. <i>Biochemistry</i> , <b>2009</b> , 48, 10038-46	16.4	96
3	Photoconversion of the fluorescent protein EosFP: a hybrid potential simulation study reveals intersystem crossings. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 16814-23	16.4	34
2	Structural basis of X-ray-induced transient photobleaching in a photoactivatable green fluorescent protein. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 18063-5	16.4	57
1	Structural characterization of IrisFP, an optical highlighter undergoing multiple photo-induced transformations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 18343-8	11.5	187