Michael Dw Griffin

List of Publications by Year
in descending order

30 papers	910 citations	394421 19 h-index	501196 28 g-index
30 all docs	30 docs citations	30 times ranked	955 citing authors

#	Article	IF	Citations
1	Small Heat-shock Proteins Prevent Î±-Synuclein Aggregation via Transient Interactions and Their Efficacy Is Affected by the Rate of Aggregation. Journal of Biological Chemistry, 2016, 291, 22618-22629.	3.4	96
2	Structure and Evolution of a Novel Dimeric Enzyme from a Clinically Important Bacterial Pathogen. Journal of Biological Chemistry, 2008, 283, 27598-27603.	3.4	85
3	Evolution of Quaternary Structure in a Homotetrameric Enzyme. Journal of Molecular Biology, 2008, 380, 691-703.	4.2	77
4	Phospholipid Interaction Induces Molecular-level Polymorphism in Apolipoprotein C-II Amyloid Fibrils via Alternative Assembly Pathways. Journal of Molecular Biology, 2008, 375, 240-256.	4.2	63
5	A Structural Core Within Apolipoprotein C-II Amyloid Fibrils Identified Using Hydrogen Exchange and Proteolysis. Journal of Molecular Biology, 2007, 366, 1639-1651.	4.2	53
6	Dihydrodipicolinate synthase (DHDPS) from Escherichia coli displays partial mixed inhibition with respect to its first substrate, pyruvate. Biochimie, 2004, 86, 311-315.	2.6	47
7	A Structural Model for Apolipoprotein C-II Amyloid Fibrils: Experimental Characterization and Molecular Dynamics Simulations. Journal of Molecular Biology, 2011, 405, 1246-1266.	4.2	45
8	Substrate-mediated Stabilization of a Tetrameric Drug Target Reveals Achilles Heel in Anthrax. Journal of Biological Chemistry, 2010, 285, 5188-5195.	3.4	44
9	The structure of the extracellular domains of human interleukin 11Î± receptor reveals mechanisms of cytokine engagement. Journal of Biological Chemistry, 2020, 295, 8285-8301.	3.4	33
10	Irreversible inhibition of dihydrodipicolinate synthase by 4-oxo-heptenedioic acid analogues. Bioorganic and Medicinal Chemistry, 2008, 16, 9975-9983.	3.0	31
11	Conserved mainâ€chain peptide distortions: A proposed role for Ile203 in catalysis by dihydrodipicolinate synthase. Protein Science, 2008, 17, 2080-2090.	7.6	31
12	Emerging roles for IL-11 in inflammatory diseases. Cytokine, 2022, 149, 155750.	3.2	31
13	Exploring the dihydrodipicolinate synthase tetramer: How resilient is the dimerâ€“dimer interface?. Archives of Biochemistry and Biophysics, 2010, 494, 58-63.	3.0	30
14	High-Affinity Amphipathic Modulators of Amyloid Fibril Nucleation and Elongation. Journal of Molecular Biology, 2011, 406, 416-429.	4.2	30
15	Chameleon â€˜aggregation-proneâ€™ segments of apoA-I: A model of amyloid fibrils formed in apoA-I amyloidosis. International Journal of Biological Macromolecules, 2015, 79, 711-718.	7.5	29
16	Identification of an amyloid fibril forming peptide comprising residues 46â€“59 of apolipoprotein Aâ€I. FEBS Letters, 2012, 586, 1754-1758.	2.8	25
17	Sedimentation velocity analysis of amyloid oligomers and fibrils using fluorescence detection. Methods, 2011, 54, 67-75.	3.8	24
18	N- and C-terminal regions of Î±B-crystallin and Hsp27 mediate inhibition of amyloid nucleation, fibril binding, and fibril disaggregation. Journal of Biological Chemistry, 2020, 295, 9838-9854.	3.4	22

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19	Functional and structural analysis of cytokine-selective IL6ST defects that cause recessive hyper-IgE syndrome. Journal of Allergy and Clinical Immunology, 2021, 148, 585-598.	2.9	20
20	An Equilibrium Model for Linear and Closed-Loop Amyloid Fibril Formation. Journal of Molecular Biology, 2012, 421, 364-377.	4.2	19
21	A tetrameric structure is not essential for activity in dihydrodipicolinate synthase (DHDPS) from Mycobacterium tuberculosis. Archives of Biochemistry and Biophysics, 2011, 512, 154-159.	3.0	16
22	A Cyclic Peptide Inhibitor of ApoC-II Peptide Fibril Formation: Mechanistic Insight from NMR and Molecular Dynamics Analysis. Journal of Molecular Biology, 2012, 416, 642-655.	4.2	16
23	Phospholipids Enhance Nucleation but Not Elongation of Apolipoprotein C-II Amyloid Fibrils. Journal of Molecular Biology, 2010, 399, 731-740.	4.2	15
24	Sedimentation Velocity Analysis of the Size Distribution of Amyloid Oligomers and Fibrils. Methods in Enzymology, 2015, 562, 241-256.	1.0	10
25	Lipid-apolipoprotein interactions in amyloid fibril formation and relevance to atherosclerosis. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2019, 1867, 502-507.	2.3	6
26	Substrate Locking Promotes Dimer-Dimer Docking of an Enzyme Antibiotic Target. Structure, 2018, 26, 948-959.e5.	3.3	5
27	Does domain swapping improve the stability of RNase A?. Biochemical and Biophysical Research Communications, 2009, 382, 114-118.	2.1	4
28	The Monomeric Î±-Crystallin Domain of the Small Heat-shock Proteins Î±B-crystallin and Hsp27 Binds Amyloid Fibril Ends. Journal of Molecular Biology, 2022, 434, 167711.	4.2	2
29	Cytokine Receptors and their Ligands. , 2022, , .		1
30	Imaging the Morphology and Structure of Apolipoprotein Amyloid Fibrils. , 2014, , 247-254.		0