

# James M Bullard

## List of Publications by Year in descending order

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28  
papers

388  
citations

840776

11  
h-index

794594

19  
g-index

28  
all docs

28  
docs citations

28  
times ranked

456  
citing authors

#	ARTICLE	IF	CITATIONS
1	Expression and characterization of a human mitochondrial phenylalanyl-tRNA synthetase 1 Edited by D. E. Draper. <i>Journal of Molecular Biology</i> , 1999, 288, 567-577.	4.2	77
2	Interaction of Mitochondrial Elongation Factor Tu with Aminoacyl-tRNA and Elongation Factor Ts. <i>Journal of Biological Chemistry</i> , 2000, 275, 20308-20314.	3.4	54
3	Expression and characterization of the human mitochondrial leucyl-tRNA synthetase. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2000, 1490, 245-258.	2.4	47
4	Discovery and Analysis of 4-H-Pyridopyrimidines, a Class of Selective Bacterial Protein Synthesis Inhibitors. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 4648-4657.	3.2	29
5	DNA Polymerase III Holoenzyme from <i>Thermus thermophilus</i> Identification, Expression, Purification of Components, and Use to Reconstitute a Processive Replicase. <i>Journal of Biological Chemistry</i> , 2002, 277, 13401-13408.	3.4	22
6	Effects of domain exchanges between <i>Escherichia coli</i> and mammalian mitochondrial EF-Tu on interactions with guanine nucleotides, aminoacyl-tRNA and ribosomes. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1999, 1446, 102-114.	2.4	21
7	Two Homologous EF-G Proteins from <i>Pseudomonas aeruginosa</i> Exhibit Distinct Functions. <i>PLoS ONE</i> , 2013, 8, e80252.	2.5	20
8	Discovery and Analysis of Natural-Product Compounds Inhibiting Protein Synthesis in <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 4820-4829.	3.2	18
9	Identification of Chemical Compounds That Inhibit the Function of Glutamyl-tRNA Synthetase from <i>Pseudomonas aeruginosa</i> . <i>Journal of Biomolecular Screening</i> , 2015, 20, 1160-1170.	2.6	17
10	High Throughput Screen Identifies Natural Product Inhibitor of Phenylalanyl-tRNA Synthetase from <i>Pseudomonas aeruginosa</i> and <i>Streptococcus pneumoniae</i> . <i>Current Drug Discovery Technologies</i> , 2015, 11, 279-292.	1.2	12
11	Identification and Characterization of a Chemical Compound that Inhibits Methionyl-tRNA Synthetase from <i>Pseudomonas aeruginosa</i> . <i>Current Drug Discovery Technologies</i> , 2017, 14, 156-168.	1.2	12
12	Development of 4H-pyridopyrimidines: a class of selective bacterial protein synthesis inhibitors. <i>Organic and Medicinal Chemistry Letters</i> , 2012, 2, 5.	2.0	7
13	Two Forms of Tyrosyl-tRNA Synthetase from <i>Pseudomonas aeruginosa</i> : Characterization and Discovery of Inhibitory Compounds. <i>SLAS Discovery</i> , 2020, 25, 1072-1086.	2.7	6
14	Cloning and Characterization of EF-Tu and EF-Ts from <i>Pseudomonas aeruginosa</i> . <i>BioMed Research International</i> , 2013, 2013, 1-12.	1.9	5
15	<sup>1</sup> H, <sup>13</sup> C and <sup>15</sup> N resonance assignments and secondary structure analysis of translation initiation factor 1 from <i>Pseudomonas aeruginosa</i> . <i>Biomolecular NMR Assignments</i> , 2016, 10, 249-252.	0.8	5
16	Identification of Chemical Compounds That Inhibit Protein Synthesis in <i>Pseudomonas aeruginosa</i> . <i>SLAS Discovery</i> , 2017, 22, 775-782.	2.7	5
17	Identification of Chemical Compounds That Inhibit the Function of Histidyl-tRNA Synthetase from <i>Pseudomonas aeruginosa</i> . <i>SLAS Discovery</i> , 2018, 23, 65-75.	2.7	5
18	Characterization and structure determination of prolyl-tRNA synthetase from <i>Pseudomonas aeruginosa</i> and development as a screening platform. <i>Protein Science</i> , 2019, 28, 727-737.	7.6	5

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19	Long-Range PCR Amplification of DNA by DNA Polymerase III Holoenzyme from <i>Thermus thermophilus</i> . <i>Enzyme Research</i> , 2015, 2015, 1-16.	1.8	4
20	Solution structure of protein synthesis initiation factor 1 from <i>Pseudomonas aeruginosa</i> . <i>Protein Science</i> , 2016, 25, 2290-2296.	7.6	4
21	Glutamyl-tRNA Synthetase from <i>Pseudomonas aeruginosa</i> : Characterization, structure, and development as a screening platform. <i>Protein Science</i> , 2020, 29, 905-918.	7.6	3
22	Rational Design of an Antimicrobial Peptide Based on Structural Insight into the Interaction of <i>Pseudomonas aeruginosa</i> Initiation Factor 1 with Its Cognate 30S Ribosomal Subunit. <i>ACS Infectious Diseases</i> , 2021, 7, 3161-3167.	3.8	3
23	Discovery and Characterization of Chemical Compounds That Inhibit the Function of Aspartyl-tRNA Synthetase from <i>Pseudomonas aeruginosa</i> . <i>SLAS Discovery</i> , 2018, 23, 294-301.	2.7	2
24	Design, synthesis and microbiological evaluation of novel compounds as potential <i>Staphylococcus aureus</i> phenylalanine tRNA synthetase inhibitors. <i>Egyptian Journal of Chemistry</i> , 2018, 61, 0-0.	0.2	2
25	Identification and Characterization of Chemical Compounds that Inhibit Leucyl-tRNA Synthetase from <i>Pseudomonas aeruginosa</i> . <i>Current Drug Discovery Technologies</i> , 2020, 17, 119-130.	1.2	2
26	Lysyl-tRNA Synthetase from <i>Pseudomonas aeruginosa</i> : Characterization and Identification of Inhibitory Compounds. <i>SLAS Discovery</i> , 2020, 25, 57-69.	2.7	1
27	<sup>1</sup> H, <sup>13</sup> C and <sup>15</sup> N resonance assignments of translation initiation factor 3 from <i>Pseudomonas aeruginosa</i> . <i>Biomolecular NMR Assignments</i> , 2020, 14, 93-97.	0.8	0
28	Identification of Chemical Compounds that Inhibit the Function of Initiation Factors I and III from <i>Pseudomonas aeruginosa</i> . <i>FASEB Journal</i> , 2019, 33, 782.7.	0.5	0