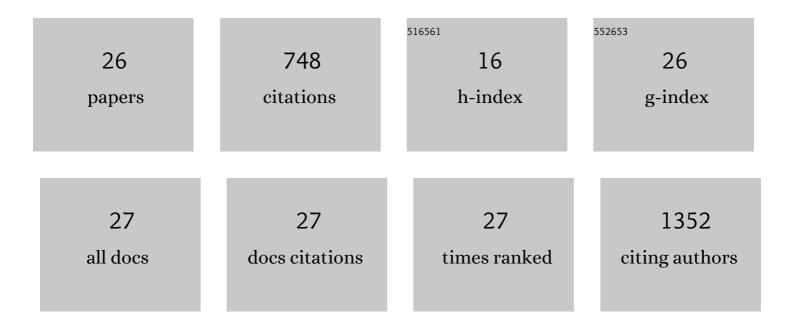
## Gareth S A Wright

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4194677/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Ligand binding and aggregation of pathogenic SOD1. Nature Communications, 2013, 4, 1758.	5.8	90
2	The cysteine-reactive small molecule ebselen facilitates effective SOD1 maturation. Nature Communications, 2018, 9, 1693.	5.8	71
3	Disease causing mutants of TDP-43 nucleic acid binding domains are resistant to aggregation and have increased stability and half-life. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 4309-4314.	3.3	68
4	Modulation of LAT1 (SLC7A5) transporter activity and stability by membrane cholesterol. Scientific Reports, 2017, 7, 43580.	1.6	59
5	The biophysics of superoxide dismutase-1 and amyotrophic lateral sclerosis. Quarterly Reviews of Biophysics, 2019, 52, e12.	2.4	51
6	Architecture of the complete oxygen-sensing FixL-FixJ two-component signal transduction system. Science Signaling, 2018, 11, .	1.6	38
7	Molecular recognition and maturation of SOD1 by its evolutionarily destabilised cognate chaperone hCCS. PLoS Biology, 2019, 17, e3000141.	2.6	38
8	A faulty interaction between SOD1 and hCCS in neurodegenerative disease. Scientific Reports, 2016, 6, 27691.	1.6	34
9	Crystal Structure of the Japanese Encephalitis Virus Capsid Protein. Viruses, 2019, 11, 623.	1.5	32
10	Ebselen as template for stabilization of A4V mutant dimer for motor neuron disease therapy. Communications Biology, 2020, 3, 97.	2.0	30
11	Structural Study of the C-Terminal Domain of Nonstructural Protein 1 from Japanese Encephalitis Virus. Journal of Virology, 2018, 92, .	1.5	24
12	A high-throughput assay of membrane protein stability. Molecular Membrane Biology, 2008, 25, 617-624.	2.0	22
13	The structural plasticity of the human copper chaperone for SOD1: insights from combined size-exclusion chromatographic and solution X-ray scattering studies. Biochemical Journal, 2011, 439, 39-44.	1.7	22
14	Reliable scale-up of membrane protein over-expression by bacterial auto-induction: From microwell plates to pilot scale fermentations. Molecular Membrane Biology, 2008, 25, 588-598.	2.0	21
15	Investigation of the structure and function of a <i>Shewanella oneidensis</i> arsenical-resistance family transporter. Molecular Membrane Biology, 2008, 25, 691-701.	2.0	20
16	Assessment of ligand binding at a site relevant to <scp>SOD</scp> 1 oxidation and aggregation. FEBS Letters, 2018, 592, 1725-1737.	1.3	20
17	Purification and Structural Characterization of Aggregation-Prone Human TDP-43 Involved in Neurodegenerative Diseases. IScience, 2020, 23, 101159.	1.9	19
18	Unexpected Roles of a Tether Harboring a Tyrosine Gatekeeper Residue in Modular Nitrite Reductase Catalysis. ACS Catalysis, 2019, 9, 6087-6099.	5.5	17

GARETH S A WRIGHT

#	Article	IF	CITATIONS
19	LAT1 (SLC7A5) and CD98hc (SLC3A2) complex dynamics revealed by single-particle cryo-EM. Acta Crystallographica Section D: Structural Biology, 2019, 75, 660-669.	1.1	16
20	Characterization of a novel copper-haem <i>c</i> dissimilatory nitrite reductase from <i>Ralstonia pickettii</i> . Biochemical Journal, 2012, 444, 219-226.	1.7	15
21	Rational discovery of a SOD1 tryptophan oxidation inhibitor with therapeutic potential for amyotrophic lateral sclerosis. Journal of Biomolecular Structure and Dynamics, 2019, 37, 3936-3946.	2.0	11
22	Molecular and pharmacological chaperones for SOD1. Biochemical Society Transactions, 2020, 48, 1795-1806.	1.6	11
23	The application of hybrid pixel detectors for in-house SAXS instrumentation with a view to combined chromatographic operation. Journal of Synchrotron Radiation, 2013, 20, 383-385.	1.0	10
24	Bacterial Evolutionary Precursors of Eukaryotic Copper–Zinc Superoxide Dismutases. Molecular Biology and Evolution, 2021, 38, 3789-3803.	3.5	5
25	Large-scale preparation of bacterial cell membranes by tangential flow filtration. Molecular Membrane Biology, 2008, 25, 609-616.	2.0	3
26	Detection of interaction between protein trytophan residues and small or macromolecular ligands by synchrotron radiation magnetic circular dichroism. Analytical Methods, 2015, 7, 1667-1671.	1.3	1