# Gareth S A Wright

List of Publications by Year
in descending order



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|---|---|---|---|
| 26 papers | 748 citations | 516561 16 h-index | 552653 26 g-index |
| 27 all docs | 27 docs citations | 27 times ranked | 1352 citing authors |

| # | 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 aShewanella oneidensisarsenical-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 |

| # | 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 c dissimilatory nitrite reductase from Ralstonia pickettii. 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 Copperâ€“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 |