

David E Evans

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

9,736
citations

101496

36
h-index

71651

76
g-index

96
all docs

96
docs citations

96
times ranked

17158
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Factors associated with COVID-19-related death using OpenSAFELY. <i>Nature</i> , 2020, 584, 430-436. | 13.7 | 4,674 |
| 2 | Aerenchyma formation. <i>New Phytologist</i> , 2004, 161, 35-49. | 3.5 | 486 |
| 3 | HIV infection and COVID-19 death: a population-based cohort analysis of UK primary care data and linked national death registrations within the OpenSAFELY platform. <i>Lancet HIV</i> , 2021, 8, e24-e32. | 2.1 | 340 |
| 4 | Ethnic differences in SARS-CoV-2 infection and COVID-19-related hospitalisation, intensive care unit admission, and death in 17 million adults in England: an observational cohort study using the OpenSAFELY platform. <i>Lancet</i> , 2021, 397, 1711-1724. | 6.3 | 332 |
| 5 | Characterisation of programmed cell death during aerenchyma formation induced by ethylene or hypoxia in roots of maize (<i>Zea mays</i> L.). <i>Planta</i> , 2001, 212, 205-214. | 1.6 | 297 |
| 6 | Risk of COVID-19-related death among patients with chronic obstructive pulmonary disease or asthma prescribed inhaled corticosteroids: an observational cohort study using the OpenSAFELY platform. <i>Lancet Respiratory Medicine</i> , 2020, 8, 1106-1120. | 5.2 | 211 |
| 7 | Aluminium/silicon interactions in higher plants. <i>Journal of Experimental Botany</i> , 1995, 46, 161-171. | 2.4 | 196 |
| 8 | Active Calcium Transport by Plant Cell Membranes. <i>Journal of Experimental Botany</i> , 1991, 42, 285-303. | 2.4 | 190 |
| 9 | The amelioration of aluminium toxicity by silicon in higher plants: Solution chemistry or an in planta mechanism?. <i>Physiologia Plantarum</i> , 1998, 104, 608-614. | 2.6 | 164 |
| 10 | Case fatality risk of the SARS-CoV-2 variant of concern B.1.1.7 in England, 16 November to 5 February. <i>Eurosurveillance</i> , 2021, 26, . | 3.9 | 156 |
| 11 | Characterization of SUN-domain proteins at the higher plant nuclear envelope. <i>Plant Journal</i> , 2010, 61, 134-144. | 2.8 | 153 |
| 12 | Novel plant SUN/KASH bridges are involved in RanGAP anchoring and nuclear shape determination. <i>Journal of Cell Biology</i> , 2012, 196, 203-211. | 2.3 | 147 |
| 13 | Factors associated with deaths due to COVID-19 versus other causes: population-based cohort analysis of UK primary care data and linked national death registrations within the OpenSAFELY platform. <i>Lancet Regional Health - Europe</i> , 2021, 6, 100109. | 3.0 | 121 |
| 14 | ER quality control can lead to retrograde transport from the ER lumen to the cytosol and the nucleoplasm in plants. <i>Plant Journal</i> , 2003, 34, 269-281. | 2.8 | 118 |
| 15 | Aluminium/silicon interactions in barley (<i>Hordeum vulgare</i> L.) seedlings. <i>Plant and Soil</i> , 1995, 173, 89-95. | 1.8 | 117 |
| 16 | Cell Biology of the Plant Nucleus. <i>Annual Review of Plant Biology</i> , 2017, 68, 139-172. | 8.6 | 87 |
| 17 | The amelioration of aluminium toxicity by silicon in wheat (<i>Triticum aestivum</i> L.): malate exudation as evidence for an in planta mechanism. <i>Planta</i> , 1998, 204, 318-323. | 1.6 | 84 |
| 18 | The first 238 amino acids of the human lamin B receptor are targeted to the nuclear envelope in plants. <i>Journal of Experimental Botany</i> , 2003, 54, 943-950. | 2.4 | 84 |

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|----|---|-----|-----------|
| 19 | Absence of <scp>SUN</scp>1 and <scp>SUN</scp>2 proteins in <i>Arabidopsis thaliana</i> leads to a delay in meiotic progression and defects in synapsis and recombination. <i>Plant Journal</i> , 2015, 81, 329-346. | 2.8 | 77 |
| 20 | Trends and clinical characteristics of COVID-19 vaccine recipients: a federated analysis of 57.9 million patients' primary care records <i>in situ</i> using OpenSAFELY. <i>British Journal of General Practice</i> , 2022, 72, e51-e62. | 0.7 | 75 |
| 21 | Clinical coding of long COVID in English primary care: a federated analysis of 58 million patient records <i>in situ</i> using OpenSAFELY. <i>British Journal of General Practice</i> , 2021, 71, e806-e814. | 0.7 | 74 |
| 22 | Silicon amelioration of aluminium toxicity and cell death in suspension cultures of Norway spruce (<i>Picea abies</i> (L.) Karst.). <i>Environmental and Experimental Botany</i> , 2011, 70, 266-276. | 2.0 | 73 |
| 23 | Severity of Severe Acute Respiratory System Coronavirus 2 (SARS-CoV-2) Alpha Variant (B.1.1.7) in England. <i>Clinical Infectious Diseases</i> , 2022, 75, e1120-e1127. | 2.9 | 71 |
| 24 | P-type calcium ATPases in higher plants – biochemical, molecular and functional properties. <i>BBA - Biomembranes</i> , 1998, 1376, 1-25. | 7.9 | 67 |
| 25 | Characterization of two distinct subfamilies of SUN-domain proteins in <i>Arabidopsis</i> and their interactions with the novel KASH-domain protein AtTIK. <i>Journal of Experimental Botany</i> , 2014, 65, 6499-6512. | 2.4 | 66 |
| 26 | Use of non-steroidal anti-inflammatory drugs and risk of death from COVID-19: an OpenSAFELY cohort analysis based on two cohorts. <i>Annals of the Rheumatic Diseases</i> , 2021, 80, 943-951. | 0.5 | 66 |
| 27 | The LINC complex contributes to heterochromatin organisation and transcriptional gene silencing in plants. <i>Journal of Cell Science</i> , 2017, 130, 590-601. | 1.2 | 65 |
| 28 | Association between living with children and outcomes from covid-19: OpenSAFELY cohort study of 12 million adults in England. <i>BMJ</i> , 2021, 372, n628. | 3.0 | 56 |
| 29 | Aluminium-silicon interactions in higher plants: an update. <i>Journal of Experimental Botany</i> , 2020, 71, 6719-6729. | 2.4 | 54 |
| 30 | Effect of pre-exposure use of hydroxychloroquine on COVID-19 mortality: a population-based cohort study in patients with rheumatoid arthritis or systemic lupus erythematosus using the OpenSAFELY platform. <i>Lancet Rheumatology</i> , 2021, 3, e19-e27. | 2.2 | 49 |
| 31 | Reconstitution and Characterization of a Calmodulin-Stimulated Ca ²⁺ -Pumping ATPase Purified from <i>Brassica oleracea</i> L. <i>Plant Physiology</i> , 1992, 100, 1670-1681. | 2.3 | 48 |
| 32 | Internalisation of fluorescein isothiocyanate and fluorescein isothiocyanate-dextran by suspension-cultured plant cells. <i>Journal of Cell Science</i> , 1990, 96, 721-730. | 1.2 | 47 |
| 33 | Exploring the evolution of the proteins of the plant nuclear envelope. <i>Nucleus</i> , 2017, 8, 46-59. | 0.6 | 46 |
| 34 | A calcium pump at the higher plant nuclear envelope?. <i>FEBS Letters</i> , 1998, 429, 44-48. | 1.3 | 45 |
| 35 | A novel family of plant nuclear envelope-associated proteins. <i>Journal of Experimental Botany</i> , 2016, 67, 5699-5710. | 2.4 | 44 |
| 36 | The calmodulin-stimulated ATPase of maize coleoptiles is a 140000-Mr polypeptide. <i>Planta</i> , 1988, 176, 283-285. | 1.6 | 41 |

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|----|--|-----|-----------|
| 37 | Overall and cause-specific hospitalisation and death after COVID-19 hospitalisation in England: A cohort study using linked primary care, secondary care, and death registration data in the OpenSAFELY platform. <i>PLoS Medicine</i> , 2022, 19, e1003871. | 3.9 | 39 |
| 38 | Nuclear envelope dynamics during plant cell division suggest common mechanisms between kingdoms. <i>Biochemical Journal</i> , 2011, 435, 661-667. | 1.7 | 38 |
| 39 | Mortality among Care Home Residents in England during the first and second waves of the COVID-19 pandemic: an observational study of 4.3 million adults over the age of 65. <i>Lancet Regional Health - Europe</i> , The, 2022, 14, 100295. | 3.0 | 38 |
| 40 | Retention and mobility of the mammalian lamin B receptor in the plant nuclear envelope. <i>Biology of the Cell</i> , 2007, 99, 553-562. | 0.7 | 34 |
| 41 | Calmodulin-stimulated calcium pumping ATPases located at higher plant intracellular membranes: a significant divergence from other eukaryotes?. <i>Physiologia Plantarum</i> , 1994, 90, 420-426. | 2.6 | 31 |
| 42 | The plant nuclear envelope: new prospects for a poorly understood structure. <i>New Phytologist</i> , 2004, 163, 227-246. | 3.5 | 30 |
| 43 | Expression and characterization of PP7, a novel plant protein Ser/Thr phosphatase distantly related to RdgC/PPEF and PP5. <i>FEBS Letters</i> , 1998, 440, 147-152. | 1.3 | 29 |
| 44 | The plant LINC complex at the nuclear envelope. <i>Chromosome Research</i> , 2014, 22, 241-252. | 1.0 | 29 |
| 45 | Marker gene tethering by nucleoporins affects gene expression in plants. <i>Nucleus</i> , 2015, 6, 471-478. | 0.6 | 29 |
| 46 | The use of root growth and modelling data to investigate amelioration of aluminium toxicity by silicon in <i>Picea abies</i> seedlings. <i>Journal of Inorganic Biochemistry</i> , 2003, 97, 52-58. | 1.5 | 28 |
| 47 | INTERACTION BETWEEN SILICON AND ALUMINUM IN TRITICUM AESTIVUM L. (CV. CELTIC). <i>Israel Journal of Plant Sciences</i> , 1997, 45, 285-292. | 0.3 | 23 |
| 48 | The calmodulin-stimulated ATPase of maize coleoptiles forms a phosphorylated intermediate. <i>Biochemical and Biophysical Research Communications</i> , 1989, 159, 185-191. | 1.0 | 22 |
| 49 | OpenSAFELY NHS Service Restoration Observatory 1: primary care clinical activity in England during the first wave of COVID-19. <i>British Journal of General Practice</i> , 2022, 72, e63-e74. | 0.7 | 22 |
| 50 | Calcium transport by pea root membranes. <i>Planta</i> , 1987, 172, 273-279. | 1.6 | 21 |
| 51 | The nuclear envelope in higher plant mitosis and meiosis. <i>Nucleus</i> , 2019, 10, 55-66. | 0.6 | 20 |
| 52 | The plant nuclear envelope in focus. <i>Biochemical Society Transactions</i> , 2010, 38, 307-311. | 1.6 | 19 |
| 53 | Plant SUN domain proteins. <i>Plant Signaling and Behavior</i> , 2010, 5, 154-156. | 1.2 | 18 |
| 54 | Identifying Care Home Residents in Electronic Health Records - An OpenSAFELY Short Data Report. <i>Wellcome Open Research</i> , 2021, 6, 90. | 0.9 | 18 |

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|----|---|-----|-----------|
| 55 | Calmodulin-stimulated calcium pumping ATPases located at higher plant intracellular membranes: a significant divergence from other eukaryotes?. <i>Physiologia Plantarum</i> , 1994, 90, 420-426. | 2.6 | 17 |
| 56 | OpenSAFELY: impact of national guidance on switching anticoagulant therapy during COVID-19 pandemic. <i>Open Heart</i> , 2021, 8, e001784. | 0.9 | 17 |
| 57 | Protein interactions at the higher plant nuclear envelope: evidence for a linker of nucleoskeleton and cytoskeleton complex. <i>Frontiers in Plant Science</i> , 2014, 5, 183. | 1.7 | 16 |
| 58 | Calcium transport by pea root membranes. <i>Planta</i> , 1987, 172, 265-272. | 1.6 | 13 |
| 59 | Editorial for the SEB Brighton Special Issue: Dynamic organization of the nucleus. <i>Nucleus</i> , 2017, 8, 1-1. | 0.6 | 13 |
| 60 | The Plant Nuclear Envelope. <i>Plant Cell Monographs</i> , 2009, , 9-28. | 0.4 | 13 |
| 61 | PP7, a gene encoding a novel protein Ser/Thr phosphatase, is expressed primarily in a subset of guard cells in <i>Arabidopsis thaliana</i> . <i>Physiologia Plantarum</i> , 1999, 106, 219-223. | 2.6 | 11 |
| 62 | Advancing knowledge of the plant nuclear periphery and its application for crop science. <i>Nucleus</i> , 2020, 11, 347-363. | 0.6 | 10 |
| 63 | VISUALIZATION OF GOLGI APPARATUS IN METHACRYLATE EMBEDDED CONIFER EMBRYO TISSUE USING THE MONOCLONAL ANTIBODY JIM 84,. <i>Cell Biology International</i> , 1997, 21, 295-302. | 1.4 | 9 |
| 64 | Nuclear envelope proteins and their role in nuclear positioning and replication. <i>Biochemical Society Transactions</i> , 2010, 38, 741-746. | 1.6 | 9 |
| 65 | A nuclear localization signal targets tail-anchored membrane proteins to the inner nuclear envelope in plants. <i>Journal of Cell Science</i> , 2019, 132, . | 1.2 | 8 |
| 66 | Association between warfarin and COVID-19-related outcomes compared with direct oral anticoagulants: population-based cohort study. <i>Journal of Hematology and Oncology</i> , 2021, 14, 172. | 6.9 | 8 |
| 67 | Studies on the Higher Plant Calmodulin-Stimulated ATPase. , 1992, , 39-53. | | 7 |
| 68 | Calmodulin-stimulated ATPase of maize cells: functional reconstitution, monoclonal antibodies and subcellular localization. <i>Journal of Experimental Botany</i> , 1994, 45, 1553-1564. | 2.4 | 6 |
| 69 | Potentially inappropriate prescribing of DOACs to people with mechanical heart valves: A federated analysis of 57.9 million patients' primary care records in situ using OpenSAFELY. <i>Thrombosis Research</i> , 2022, 211, 150-153. | 0.8 | 6 |
| 70 | Deep learning “ promises for 3D nuclear imaging: a guide for biologists. <i>Journal of Cell Science</i> , 2022, 135, . | 1.2 | 5 |
| 71 | The INDEPTH (Impact of Nuclear Domains on Gene Expression and Plant Traits) Academy: a community resource for plant science. <i>Journal of Experimental Botany</i> , 2022, , . | 2.4 | 3 |
| 72 | Association between oral anticoagulants and COVID-19-related outcomes: a population-based cohort study. <i>British Journal of General Practice</i> , 2022, 72, e456-e463. | 0.7 | 3 |

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|----|---|-----|-----------|
| 73 | Growing the nuclear envelope proteome. <i>Nature Plants</i> , 2020, 6, 740-741. | 4.7 | 2 |
| 74 | Comparison of methods for predicting COVID-19-related death in the general population using the OpenSAFELY platform. <i>Diagnostic and Prognostic Research</i> , 2022, 6, 6. | 0.8 | 2 |
| 75 | Rapid isolation of plasma membrane and endoplasmic reticulum vesicles from pea roots. <i>Biochemical Society Transactions</i> , 1986, 14, 107-108. | 1.6 | 1 |
| 76 | Establishment of low extracellular pH is essential for uptake of the fluorescent anionic dye hydroxypyrenetrisulfonate by suspension-cultured carrot cells. <i>Plant Physiology and Biochemistry</i> , 1998, 36, 879-887. | 2.8 | 1 |
| 77 | Editorial for the SEB Florence special issue: functional organisation of the nuclear periphery. <i>Nucleus</i> , 2019, 10, 167-168. | 0.6 | 1 |
| 78 | Hydroxychloroquine treatment does not reduce COVID-19 mortality; underdosing to the wrong patients? – Authors' reply. <i>Lancet Rheumatology</i> , The, 2021, 3, e172-e173. | 2.2 | 1 |
| 79 | Organelle Biogenesis and Positioning in Plants. <i>Biochemical Society Transactions</i> , 2010, 38, 729-732. | 1.6 | 0 |
| 80 | Computational Methods for Studying the Plant Nucleus. <i>Methods in Molecular Biology</i> , 2018, 1840, 205-219. | 0.4 | 0 |
| 81 | Editorial for the SEB 2020 special issue –dynamic organisation of the nucleus across kingdoms™. <i>Nucleus</i> , 2021, 12, 42-43. | 0.6 | 0 |
| 82 | The Plant Nuclear Envelope. <i>Plant Cell Monographs</i> , 2008, , 9. | 0.4 | 0 |
| 83 | Dynamics of the Plant Nuclear Envelope During Cell Division. <i>Methods in Molecular Biology</i> , 2016, 1370, 115-126. | 0.4 | 0 |