Stephen R Robinson

List of Publications by Year in descending order

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141 papers 39,487 citations

51 h-index 132 g-index

144 all docs 144 docs citations

times ranked

144

51841 citing authors

#	Article	IF	CITATIONS
1	Global, regional, and national incidence, prevalence, and years lived with disability for 354 diseases and injuries for 195 countries and territories, 1990–2017: a systematic analysis for the Global Burden of Disease Study 2017. Lancet, The, 2018, 392, 1789-1858.	13.7	8,569
2	Global burden of 369 diseases and injuries in 204 countries and territories, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019. Lancet, The, 2020, 396, 1204-1222.	13.7	7,664
3	Global, regional, and national age-sex-specific mortality for 282 causes of death in 195 countries and territories, 1980–2017: a systematic analysis for the Global Burden of Disease Study 2017. Lancet, The, 2018, 392, 1736-1788.	13.7	4,989
4	Global, regional, and national disability-adjusted life-years (DALYs) for 359 diseases and injuries and healthy life expectancy (HALE) for 195 countries and territories, 1990–2017: a systematic analysis for the Global Burden of Disease Study 2017. Lancet, The, 2018, 392, 1859-1922.	13.7	2,123
5	Global, regional, and national burden of stroke, 1990–2016: a systematic analysis for the Global Burden of Disease Study 2016. Lancet Neurology, The, 2019, 18, 439-458.	10.2	2,005
6	Global, regional, and national disability-adjusted life-years (DALYs) for 333 diseases and injuries and healthy life expectancy (HALE) for 195 countries and territories, 1990–2016: a systematic analysis for the Global Burden of Disease Study 2016. Lancet, The, 2017, 390, 1260-1344.	13.7	1,589
7	Global, regional, and national burden of Alzheimer's disease and other dementias, 1990–2016: a systematic analysis for the Global Burden of Disease Study 2016. Lancet Neurology, The, 2019, 18, 88-106.	10.2	1,512
8	The global, regional, and national burden of inflammatory bowel disease in 195 countries and territories, 1990–2017: a systematic analysis for the Global Burden of Disease Study 2017. The Lancet Gastroenterology and Hepatology, 2020, 5, 17-30.	8.1	1,200
9	Estimation of the global prevalence of dementia in 2019 and forecasted prevalence in 2050: an analysis for the Global Burden of Disease Study 2019. Lancet Public Health, The, 2022, 7, e105-e125.	10.0	1,199
10	Global, Regional, and Country-Specific Lifetime Risks of Stroke, 1990 and 2016. New England Journal of Medicine, 2018, 379, 2429-2437.	27.0	959
11	Global, regional, and national age-sex-specific mortality and life expectancy, 1950–2017: a systematic analysis for the Global Burden of Disease Study 2017. Lancet, The, 2018, 392, 1684-1735.	13.7	716
12	Colorimetric ferrozine-based assay for the quantitation of iron in cultured cells. Analytical Biochemistry, 2004, 331, 370-375.	2.4	474
13	Astrocytes: Glutamate producers for neurons. Journal of Neuroscience Research, 1999, 57, 417-428.	2.9	385
14	Glutamate in some retinal neurons is derived solely from glia. Neuroscience, 1994, 60, 355-366.	2.3	239
15	The Physiological Roles of Amyloid- \hat{l}^2 Peptide Hint at New Ways to Treat Alzheimer's Disease. Frontiers in Aging Neuroscience, 2018, 10, 118.	3.4	226
16	Unidirectional coupling of gap junctions between neuroglia. Science, 1993, 262, 1072-1074.	12.6	216
17	Neuronal–glial interactions and behaviour. Neuroscience and Biobehavioral Reviews, 2000, 24, 295-340.	6.1	197
18	Alzheimer's Disease And Inflammation: A Review Of Cellular And Therapeutic Mechanisms. Clinical and Experimental Pharmacology and Physiology, 2000, 27, 1-8.	1.9	174

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19	Alzheimer's Amyloid-β is an Antimicrobial Peptide: A Review of the Evidence. Journal of Alzheimer's Disease, 2018, 62, 1495-1506.	2.6	171
20	The Pivotal Role of Astrocytes in the Metabolism of Iron in the Brain. Neurochemical Research, 2007, 32, 1884-1890.	3.3	170
21	Hemin toxicity: a preventable source of brain damage following hemorrhagic stroke. Redox Report, 2009, 14, 228-235.	4.5	162
22	Zinc stimulates the production of toxic reactive oxygen species (ROS) and inhibits glutathione reductase in astrocytes. Free Radical Biology and Medicine, 2007, 42, 1222-1230.	2.9	146
23	Neuronal expression of glutamine synthetase in Alzheimer's disease indicates a profound impairment of metabolic interactions with astrocytes. Neurochemistry International, 2000, 36, 471-482.	3.8	141
24	Aβ as a bioflocculant: implications for the amyloid hypothesis of Alzheimer's disease. Neurobiology of Aging, 2002, 23, 1051-1072.	3.1	140
25	Iron: A Pathological Mediator of Alzheimer Disease?. Developmental Neuroscience, 2002, 24, 184-187.	2.0	127
26	Iron accumulation, iron-mediated toxicity and altered levels of ferritin and transferrin receptor in cultured astrocytes during incubation with ferric ammonium citrate. Journal of Neurochemistry, 2004, 88, 1194-1202.	3.9	119
27	Reactive astrocytes give neurons less support: implications for Alzheimer's disease. Neurobiology of Aging, 2012, 33, 423.e1-423.e13.	3.1	103
28	The Visual Pathways of Eutherian Mammals and Marsupials Develop According to a Common Timetable. Brain, Behavior and Evolution, 1990, 36, 177-195.	1.7	101
29	Quantitative analysis of cell death and ferritin expression in response to cortical iron: implications for hypoxia–ischemia and stroke. Brain Research, 2001, 907, 175-187.	2.2	99
30	Accumulation of Non-Transferrin-Bound Iron by Neurons, Astrocytes, and Microglia. Neurotoxicity Research, 2011, 19, 443-451.	2.7	98
31	Development of the Retinofugal Pathway in Birds and Mammals: Evidence for a common 'timetable' Brain, Behavior and Evolution, 1988, 31, 369-390.	1.7	95
32	Lessons from the AN 1792 Alzheimer vaccine: lest we forget. Neurobiology of Aging, 2004, 25, 609-615.	3.1	90
33	Phylogenetic constraints on retinal organisation and development. Progress in Retinal and Eye Research, 1995, 15, 139-171.	15.5	89
34	$M\tilde{A}\frac{1}{4}$ ller cells in adult rabbit retinae: Morphology, distribution and implications for function and development. Journal of Comparative Neurology, 1990, 292, 178-192.	1.6	88
35	Two routes of iron accumulation in astrocytes: ascorbate-dependent ferrous iron uptake via the divalent metal transporter (DMT1) plus an independent route for ferric iron. Biochemical Journal, 2010, 432, 123-132.	3.7	88
36	$M\tilde{A}\frac{1}{4}$ ller cells in vascular and avascular retinae: A survey of seven mammals. Journal of Comparative Neurology, 1992, 323, 59-80.	1.6	84

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37	Changes in the cellular distribution of glutamine synthetase in Alzheimer's disease. Journal of Neuroscience Research, 2001, 66, 972-980.	2.9	84
38	Inhibition of Mïز½ller cell glutamine synthetase rapidly impairs the retinal response to light. Glia, 2000, 30, 64-73.	4.9	81
39	Ontogeny of the area centralis in the cat. Journal of Comparative Neurology, 1987, 255, 50-67.	1.6	79
40	Glutathione peroxidase 1 and glutathione are required to protect mouse astrocytes from iron-mediated hydrogen peroxide toxicity. Journal of Neuroscience Research, 2006, 84, 578-586.	2.9	71
41	Cognitive impairment in coeliac disease improves on a glutenâ€free diet and correlates with histological and serological indices of disease severity. Alimentary Pharmacology and Therapeutics, 2014, 40, 160-170.	3.7	69
42	The amyloid hypothesis: let sleeping dogmas lie?. Neurobiology of Aging, 2002, 23, 1101-1105.	3.1	67
43	TNF alpha affects the expression of GFAP and S100B: implications for Alzheimer's disease. Journal of Neural Transmission, 2006, 113, 1709-1715.	2.8	67
44	Nonuniform retinal expansion during the formation of the rabbit's visual streak: Implications for the ontogeny of mammalian retinal topography. Visual Neuroscience, 1989, 2, 201-219.	1.0	65
45	Complex Roles of Glutamate in the Gibbs—Ng Model of One-trial Aversive Learning in the New-born Chick. Neuroscience and Biobehavioral Reviews, 1997, 21, 45-54.	6.1	65
46	Physiological Roles of Amyloid-?? and Implications for its Removal in Alzheimer???s Disease. Drugs and Aging, 2004, 21, 621-630.	2.7	61
47	Uptake of ferrous iron by cultured rat astrocytes. Journal of Neuroscience Research, 2010, 88, 563-571.	2.9	61
48	Differential retinal growth appears to be the primary factor producing the ganglion cell density gradient in the rat. Neuroscience Letters, 1987, 79, 78-84.	2.1	56
49	The Amyloid Paradox: Amyloidâ€Î²â€Metal Complexes can be Neurotoxic and Neuroprotective. Brain Pathology, 2004, 14, 448-452.	4.1	55
50	Morphology, characterization, and distribution of retinal photoreceptors in the Australian lungfishNeoceratodus forsteri (Krefft, 1870). Journal of Comparative Neurology, 2006, 494, 381-397.	1.6	53
51	Global mortality from dementia: Application of a new method and results from the Global Burden of Disease Study 2019. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2021, 7, e12200.	3.7	53
52	Inhibition of glutamine synthetase activity prevents memory consolidation. Cognitive Brain Research, 1996, 4, 57-64.	3.0	51
53	Neuropathological investigation of cell layer thickness and myelination in the hippocampus of people with obstructive sleep apnea. Sleep, 2019, 42, .	1.1	49
54	The putative heme transporter HCP1 is expressed in cultured astrocytes and contributes to the uptake of hemin. Glia, 2010, 58, 55-65.	4.9	48

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55	Early vertebrate colour vision. Nature, 1994, 367, 121-121.	27.8	46
56	Glutathione peroxidase 1 and a high cellular glutathione concentration are essential for effective organic hydroperoxide detoxification in astrocytes. Glia, 2006, 54, 873-879.	4.9	46
57	Cognitive impairment in Crohn's disease is associated with systemic inflammation, symptom burden and sleep disturbance. United European Gastroenterology Journal, 2017, 5, 579-587.	3.8	45
58	Measurement of hand grip strength in the elderly: A scoping review with recommendations. Journal of Bodywork and Movement Therapies, 2020, 24, 235-243.	1.2	45
59	Astrocyte-Neuron Interaction During One-trial Aversive Learning in the Neonate Chick **These results were originally presented at the Second Annual International Behavioral Neuroscience Society Conference, Clearwater Beach, Florida, USA, 22–25 April 1993 Neuroscience and Biobehavioral Reviews. 1996. 20. 537-551.	6.1	44
60	Alzheimer's vaccine: a cure as dangerous as the disease?. Journal of Neural Transmission, 2002, 109, 537-539.	2.8	44
61	Human A?1-42 reduces iron-induced toxicity in rat cerebral cortex. Journal of Neuroscience Research, 2003, 73, 316-323.	2.9	44
62	Anti-AGEing defences against Alzheimer's disease. Biochemical Society Transactions, 2003, 31, 1397-1399.	3.4	43
63	Cell death in the inner and outer nuclear layers of the developing cat retina. Journal of Comparative Neurology, 1988, 267, 507-515.	1.6	41
64	Chicks Injected with Antisera to either S- 1001^{\pm} or S- 1001^{2} Protein Develop Amnesia for a Passive Avoidance Task. Neurobiology of Learning and Memory, 1997, 67, 197-206.	1.9	41
65	Potential neurotoxic inflammatory responses to ${\sf A\hat{l}^2}$ vaccination in humans. Journal of Neural Transmission, 2002, 109, 1081-1087.	2.8	41
66	Changes in the numbers of retinal ganglion cells and optic nerve axons in the developing albino rabbit. Developmental Brain Research, 1987, 35, 161-174.	1.7	39
67	Somatostatinergic neurones of the developing human and cat retinae. Neuroscience Letters, 1989, 104, 209-216.	2.1	39
68	Synergistic accumulation of iron and zinc by cultured astrocytes. Journal of Neural Transmission, 2010, 117, 809-817.	2.8	39
69	Impaired perceptual judgment at low blood alcohol concentrations. Alcohol, 2011, 45, 711-718.	1.7	39
70	Recovery of Cognitive Function After Coronary Artery Bypass Graft Operations. Annals of Thoracic Surgery, 2013, 95, 1306-1313.	1.3	39
71	Evidence for three morphological classes of astrocyte in the adult rabbit retina: Functional and developmental implications. Neuroscience Letters, 1989, 106, 261-268.	2.1	38
72	Challenges and directions for the pathogen hypothesis of Alzheimer's disease. Neurobiology of Aging, 2004, 25, 629-637.	3.1	38

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73	Histidine, cystine, glutamine, and threonine collectively protect astrocytes from the toxicity of zinc. Free Radical Biology and Medicine, 2010, 49, 649-657.	2.9	38
74	Assessment of Gait Speed in Older Adults. Journal of Geriatric Physical Therapy, 2020, 43, 42-52.	1.1	36
75	Sustained hydrogen peroxide stress decreases lactate production by cultured astrocytes. Journal of Neuroscience Research, 2009, 87, 2696-2708.	2.9	35
76	Uptake, metabolism and toxicity of hemin in cultured neurons. Neurochemistry International, 2011, 58, 804-811.	3.8	35
77	Astrocytes retain their antioxidant capacity into advanced old age. Glia, 2010, 58, 1500-1509.	4.9	34
78	Development of catecholaminergic, Indoleamine-accumulating and NADPH-diaphorase amacrine cells in rabbit retinae. Journal of Comparative Neurology, 1992, 319, 560-585.	1.6	33
79	The effects of physical vibration on heart rate variability as a measure of drowsiness. Ergonomics, 2018, 61, 1259-1272.	2.1	33
80	Cell division in the developing cat retina occurs in two zones. Developmental Brain Research, 1985, 19, 101-109.	1.7	31
81	The Search for an Amyloid Solution. Science, 2002, 298, 962-964.	12.6	30
82	Alzheimer $\hat{a} \in \mathbb{N}$ s disease neuropathology in the hippocampus and brainstem of people with obstructive sleep apnea. Sleep, 2021, 44, .	1.1	30
83	Endogenous glutathione and catalase protect cultured rat astrocytes from the iron-mediated toxicity of hydrogen peroxide. Neuroscience Letters, 2004, 364, 164-167.	2.1	29
84	Subtle cognitive impairment in elders with Miniâ€Mental State Examination scores within the †normal†range. International Journal of Geriatric Psychiatry, 2012, 27, 463-471.	2.7	29
85	Severe Obstructive Sleep Apnea Is Associated with Higher Brain Amyloid Burden: A Preliminary PET Imaging Study. Journal of Alzheimer's Disease, 2020, 78, 611-617.	2.6	29
86	Long-Term Intermittent Hypoxia Elevates Cobalt Levels in the Brain and Injures White Matter in Adult Mice. Sleep, 2013, 36, 1471-1481.	1.1	27
87	Matrine Protects Against MCD-Induced Development of NASH via Upregulating HSP72 and Downregulating mTOR in a Manner Distinctive From Metformin. Frontiers in Pharmacology, 2019, 10, 405.	3.5	26
88	The metabolism and toxicity of hemin in astrocytes. Glia, 2011, 59, 1540-1550.	4.9	25
89	Dietary cholesterol induces hepatic inflammation and blunts mitochondrial function in the liver of high-fat-fed mice. Journal of Nutritional Biochemistry, 2016, 27, 96-103.	4.2	25
90	Alzheimer vaccine: amyloid-β on trial. BioEssays, 2003, 25, 283-288.	2.5	24

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91	Glutathione peroxidase-1 contributes to the protection of glutamine synthetase in astrocytes during oxidative stress. Journal of Neural Transmission, 2006, 113, 1145-1155.	2.8	24
92	What is the optimal chair stand test protocol for older adults? A systematic review. Disability and Rehabilitation, 2020, 42, 2828-2835.	1.8	24
93	The involvement of MÃ $^1\!\!/\!\!4$ ller cells in the outer retina. , 1995, , 395-416.		24
94	Amyloid-Î ² : redox-metal chelator and antioxidant. Journal of Alzheimer's Disease, 2002, 4, 203-214.	2.6	24
95	Shifting relationships between photoreceptors and pigment epithelial cells in monkey retina: Implications for the development of retinal topography. Visual Neuroscience, 1995, 12, 767-778.	1.0	22
96	Call for Elan to publish Alzheimer's trial details. Nature, 2002, 416, 677-677.	27.8	22
97	Neurones express glutamine synthetase when deprived of glutamine or interaction with astrocytes. Journal of Neurochemistry, 2010, 114, 1527-1536.	3.9	21
98	Uptake and Toxicity of Hemin and Iron in Cultured Mouse Astrocytes. Neurochemical Research, 2016, 41, 298-306.	3.3	20
99	Pharmacological but not physiological concentrations of melatonin reduce iron-induced neuronal death in rat cerebral cortex. Neuroscience Letters, 2004, 362, 182-184.	2.1	19
100	Inactivation of astrocytic glutamine synthetase by hydrogen peroxide requires iron. Neuroscience Letters, 2011, 490, 27-30.	2.1	19
101	CYTOGENESIS IN THE DEVELOPING RETINA OF THE CAT. Australian and New Zealand Journal of Ophthalmology, 1985, 13, 113-124.	0.4	16
102	Thy-1 antigen is specific to ganglion cells in chicks. Neuroscience Letters, 1991, 123, 87-90.	2.1	16
103	A role for Na+/H+ exchangers and intracellular pH in regulating vitamin C-driven electron transport across the plasma membrane. Biochemical Journal, 2010, 428, 191-200.	3.7	15
104	Differential associations of hypoxia, sleep fragmentation, and depressive symptoms with cognitive dysfunction in obstructive sleep apnea. Sleep, 2021, 44, .	1.1	15
105	Association between nocturnal activity of the sympathetic nervous system and cognitive dysfunction in obstructive sleep apnoea. Scientific Reports, 2021, 11, 11990.	3.3	15
106	HIV-1 protein gp120 rapidly impairs memory in chicks by interrupting the glutamate–glutamine cycle. Neurobiology of Learning and Memory, 2007, 87, 1-8.	1.9	14
107	Repurposing matrine for the treatment of hepatosteatosis and associated disorders in glucose homeostasis in mice. Acta Pharmacologica Sinica, 2018, 39, 1753-1759.	6.1	14
108	Autobiographical Memory From Different Life Stages in Individuals With Obstructive Sleep Apnea. Journal of the International Neuropsychological Society, 2019, 25, 266-274.	1.8	14

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109	Deposits of fibrillar A? do not cause neuronal loss or ferritin expression in adult rat brain. Journal of Neural Transmission, 2003, 110, 381-400.	2.8	13
110	Heterogeneous morphology and tracer coupling patterns of retinal oligodendrocytes. Philosophical Transactions of the Royal Society B: Biological Sciences, 1995, 349, 353-364.	4.0	11
111	The impact of cardiac surgery on cognition. Stress and Health, 2008, 24, 249-266.	2.6	11
112	Inhibition of Astrocytic Glutamine Synthetase by Lead is Associated with a Slowed Clearance of Hydrogen Peroxide by the Glutathione System. Frontiers in Integrative Neuroscience, 2015, 9, 61.	2.1	11
113	Effects on Cognition of Conventional and Robotically Assisted Cardiac Valve Operation. Annals of Thoracic Surgery, 2014, 97, 48-55.	1.3	10
114	Impact of musculoskeletal pain on balance and concerns of falling in mobility-limited, community-dwelling Danes over 75Âyears of age: a cross-sectional study. Aging Clinical and Experimental Research, 2018, 30, 969-975.	2.9	10
115	Ependymocytes and supra-ependymal axons in rat brain contain glutamate. Glia, 1996, 17, 345-348.	4.9	9
116	Effects of carboxylic acids on the uptake of non-transferrin-bound iron by astrocytes. Neurochemistry International, 2010, 56, 843-849.	3.8	9
117	Altered cellular distribution of iron in rat cerebral cortex during the oestrous cycle. Journal of Neural Transmission, 2004, 111, 159-165.	2.8	8
118	Efficacy of Cognitive Processes in Young People with High-Functioning Autism Spectrum Disorder Using a Novel Visual Information-Processing Task. Journal of Autism and Developmental Disorders, 2014, 44, 2809-2819.	2.7	8
119	Astrocytes: Glutamate producers for neurons. Journal of Neuroscience Research, 1999, 57, 417-428.	2.9	8
120	Validity of a screening tool for detecting subtle cognitive impairment in the middle-aged and elderly. Clinical Interventions in Aging, 2014, 9, 2165.	2.9	7
121	Energy for Neurotransmission. Science, 1999, 285, 639a-639.	12.6	6
122	Quantitative analysis of size and regional distribution of corpora amylacea in the hippocampal formation of obstructive sleep apnoea patients. Scientific Reports, 2021, 11, 20892.	3.3	6
123	Interocular Transfer in a Marsupial: The Brush-Tailed Possum <i>(Trichosurus vulpecula)</i>). Brain, Behavior and Evolution, 1982, 21, 114-124.	1.7	4
124	Editorial: †Brain Fog' and coeliac disease – evidence for its existence: authors' reply. Alimentary Pharmacology and Therapeutics, 2014, 40, 566-566.	3.7	3
125	Phenanthrolines Protect Astrocytes from Hemin Without Chelating Iron. Neurochemical Research, 2014, 39, 693-699.	3.3	3
126	The morphology of relay neurons in the dorsal lateral geniculate nucleus of the marsupial brush-tailed possum (Trichosurus vulpecula). Journal of Comparative Neurology, 1985, 235, 196-206.	1.6	2

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127	Relationships between Mýller cells and neurons in a primitive tetrapod, the Australian lungfish. Visual Neuroscience, 1997, 14, 795-800.	1.0	2
128	Comment on Vicki Brower's article â€~Harnessing the immune system to battle Alzheimer's' in EMBO reports , March 2002. EMBO Reports , 392-392.	4.5	2
129	Reply. Annals of Thoracic Surgery, 2013, 96, 1529-1530.	1.3	2
130	Chinese Herbs for Cognitive Decline. , 2015, , 805-818.		2
131	Cognitive Impairment After Cardiac Surgery: Confounding Factors and Recommendations for Improved Practice., 2016,, 585-628.		2
132	Dehydroepiandrosterone (DHEA) and DHEA Sulfate: Roles in Brain Function and Disease. , 0, , .		2
133	Response. Science, 1994, 265, 1019-1020.	12.6	1
134	Consequences of redefining Alzheimer's disease in terms of amyloid burden without regard to cognitive decline. Neural Regeneration Research, 2018, 13, 2098.	3.0	1
135	Association between cognitive dysfunction and nocturnal peaks of blood pressure estimated from pulse transit time in obstructive sleep apnoea. Sleep Medicine, 2022, 90, 185-191.	1.6	1
136	Challenging Views of Alzheimer's disease. Journal of Alzheimer's Disease, 2002, 4, 129-130.	2.6	0
137	Alzheimer vaccine: an update. BioEssays, 2003, 25, 1025-1025.	2.5	0
138	Foreword: Challenging views of Alzheimer's disease – 2004. Journal of Alzheimer's Disease, 2005, 7, 233-233.	2.6	0
139	New Thinking on the Etiology and Pathogenesis of Late-Onset Alzheimer's Disease. International Journal of Alzheimer's Disease, 2011, 2011, 1-2.	2.0	O
140	Cognitive Impairment After Cardiac Surgery: Confounding Factors and Recommendations for Improved Practice., 2015,, 1-45.		0
141	TIARA., 2019,,.		O