# William J Powers

List of Publications by Year
in descending order



| 89 | 9,499 | 136950 32 | 62596 80 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 91 | 91 | 91 | 8615 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 15O PET Imaging: Methods and Applications. , 2022, , 197-216. | | 0 |
| 2 | Data Do Not Support Selection by Target Perfusion Mismatch of Patients for Endovascular Stroke Treatment Within the 16- to 24-Hour Interval. JAMA Neurology, 2022, , . | 9.0 | 0 |
| 3 | Strokelore: Antithrombotic therapy and hemorrhagic infarction. Journal of Stroke and Cerebrovascular Diseases, 2022, 31, 106395. | 1.6 | 2 |
| 4 | Strokelore: Outcome of Basilar Artery Occlusion. Journal of Stroke and Cerebrovascular Diseases, 2022, 31, 106437. | 1.6 | 0 |
| 5 | Traditional risk factors and combined genetic markers of recurrent ischemic stroke in adults: Comment from Wilson et al.. Journal of Thrombosis and Haemostasis, 2022, 20, 263-264. | 3.8 | 0 |
| 6 | Strokelore: Therapeutic Relevance of Lacunar Infarcts. Journal of Stroke and Cerebrovascular Diseases, 2022, 31, 106594. | 1.6 | 1 |
| 7 | Strokelore: Intracranial volumes and pressures following cerebral hemorrhage. Journal of Stroke and Cerebrovascular Diseases, 2022, 31, 106637. | 1.6 | 1 |
| 8 | Clinical utility of echocardiography in secondary ischemic stroke prevention. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2021, 177, 359-375. | 1.8 | 2 |
| 9 | ACR Appropriateness CriteriaÂ® Syncope. Journal of the American College of Radiology, 2021, 18, S229-S238. | 1.8 | 3 |
| 10 | Strokelore: Angiographic Diagnosis of Primary Angiitis of the Central Nervous System. Journal of Stroke and Cerebrovascular Diseases, 2021, 30, 106060. | 1.6 | 3 |
| 11 | Strokelore: Early Anticoagulation for Large Ischemic Strokes. Journal of Stroke and Cerebrovascular Diseases, 2021, 30, 106085. | 1.6 | 0 |
| 12 | â€œDisappearing Infarctâ€•Is Lateâ€Onset <scp>MELAS</scp>. Annals of Neurology, 2021, 90, 1001-1002. | 5.3 | 1 |
| 13 | ACR Appropriateness CriteriaÂ® Low Back Pain: 2021 Update. Journal of the American College of Radiology, 2021, 18, S361-S379. | 1.8 | 24 |
| 14 | ACR Appropriateness CriteriaÂ® Cerebrovascular Diseases-Aneurysm, Vascular Malformation, and Subarachnoid Hemorrhage. Journal of the American College of Radiology, 2021, 18, S283-S304. | 1.8 | 9 |
| 15 | Acute Ischemic Stroke. New England Journal of Medicine, 2020, 383, 252-260. | 27.0 | 136 |
| 16 | Diagnostic accuracy of acute infarcts in multiple cerebral circulations for cardioembolic stroke: Literature review and meta-analysis. Journal of Stroke and Cerebrovascular Diseases, 2020, 29, 104849. | 1.6 | 2 |
| 17 | ACR Appropriateness CriteriaÂ® Dementia. Journal of the American College of Radiology, 2020, 17, S100-S112. | 1.8 | 11 |
| 18 | ACR Appropriateness CriteriaÂ® Movement Disorders and Neurodegenerative Diseases. Journal of the American College of Radiology, 2020, 17, S175-S187. | 1.8 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | ACR Appropriateness CriteriaÂ® Headache. Journal of the American College of Radiology, 2019, 16, S364-S377. | 1.8 | 52 |
| 20 | Guidelines for the Early Management of Patients With Acute Ischemic Stroke: 2019 Update to the 2018 Guidelines for the Early Management of Acute Ischemic Stroke: A Guideline for Healthcare Professionals From the American Heart Association/American Stroke Association. Stroke, 2019, 50, e344-e418. | 2.0 | 3,733 |
| 21 | ACR Appropriateness CriteriaÂ® Ataxia. Journal of the American College of Radiology, 2019, 16, S44-S56. | 1.8 | 7 |
| 22 | ACR Appropriateness CriteriaÂ® Neuroendocrine Imaging. Journal of the American College of Radiology, 2019, 16, S161-S173. | 1.8 | 10 |
| 23 | Oxygen metabolism in acute ischemic stroke. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 1481-1499. | 4.3 | 37 |
| 24 | Additional Factors in Considering Patent Foramen Ovale Closure to Prevent Recurrent Ischemic Stroke. JAMA Neurology, 2018, 75, 895. | 9.0 | 7 |
| 25 | Intravenous Alteplase for Mild Nondisabling Acute Ischemic Stroke. JAMA - Journal of the American Medical Association, 2018, 320, 141. | 7.4 | 6 |
| 26 | ACR Appropriateness CriteriaÂ® Orbits Vision and Visual Loss. Journal of the American College of Radiology, 2018, 15, S116-S131. | 1.8 | 13 |
| 27 | Dissociation Between Hormonal Counterregulatory Responses and Cerebral Glucose Metabolism During Hypoglycemia. Diabetes, 2017, 66, 2964-2972. | 0.6 | 6 |
| 28 | Relative Mean Transit Time Predicts Subsequent Stroke in Symptomatic Carotid Occlusion. Journal of Stroke and Cerebrovascular Diseases, 2016, 25, 1421-1424. | 1.6 | 11 |
| 29 | Increased Cortical Cerebral Blood Flow in Asymptomatic Human Immunodeficiency Virus-Infected Subjects. Journal of Stroke and Cerebrovascular Diseases, 2016, 25, 1891-1895. | 1.6 | 10 |
| 30 | Nonstenotic carotid plaques. Neurology, 2016, 87, 650-651. | 1.1 | 3 |
| 31 | Pupil-sparing third nerve palsies and hemiataxia: Claudeâ€™s and reverse Claudeâ€™s syndrome. Journal of Clinical Neuroscience, 2016, 28, 178-180. | 1.5 | 1 |
| 32 | Effect of High-Dose Simvastatin on Cerebral Blood Flow and Static Autoregulation in Subarachnoid Hemorrhage. Neurocritical Care, 2016, 25, 56-63. | 2.4 | 36 |
| 33 | Reperfusion Beyond 6 Hours Reduces Infarct Probability in Moderately Ischemic Brain Tissue. Stroke, 2016, 47, 99-105. | 2.0 | 11 |
| 34 | High-Pressure Transvenous Perfusion of the Upper Extremity in Human Muscular Dystrophy: A Safety Study with 0.9% Saline. Human Gene Therapy, 2015, 26, 614-621. | 2.7 | 16 |
| 35 | Primary Angiitis of the Central Nervous System. Neurologic Clinics, 2015, 33, 515-526. | 1.8 | 40 |
| 36 | Letter by Sen and Powers Regarding Article, â€œAdherence to Third European Cooperative Acute Stroke Study 3- to 4.5-Hour Exclusions and Association With Outcome: Data From Get With The Guidelines-Strokeâ€• Stroke, 2015, 46, e15. | 2.0 | 1 |

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|---|---|---|---|
| 37 | Defining the Ischemic Penumbra Using Magnetic Resonance Oxygen Metabolic Index. Stroke, 2015, 46, 982-988. | 2.0 | 49 |
| 38 | Note on Levels of Clinical Efficacy. Neurologic Clinics, 2015, 33, xv-xvii. | 1.8 | 0 |
| 39 | Cerebrovascular Diseases: Controversies and Challenges. Neurologic Clinics, 2015, 33, xiii. | 1.8 | 2 |
| 40 | William M. Feinberg Award for Excellence in Clinical Stroke. Stroke, 2014, 45, 3123-3128. | 2.0 | 3 |
| 41 | Lower stroke risk with lower blood pressure in hemodynamic cerebral ischemia. Neurology, 2014, 82, 1027-1032. | 1.1 | 40 |
| 42 | Time Since Stroke and Risk of Adverse Outcomes After Surgery. JAMA - Journal of the American Medical Association, 2014, 312, 1930. | 7.4 | 3 |
| 43 | Clinically Relevant Reperfusion in Acute Ischemic Stroke: MTT Performs Better than Tmax and TTP. Translational Stroke Research, 2014, 5, 415-421. | 4.2 | 16 |
| 44 | Intravenous thrombolysis of basilar artery thrombosis. Annals of Neurology, 2014, 75, 456-457. | 5.3 | 1 |
| 45 | Endovascular (Intraarterial) Treatment of Acute Ischemic Stroke: Efficacy Not Supported by Clinical Trials. Southern Medical Journal, 2014, 107, 101-106. | 0.7 | 6 |
| 46 | Commentary on â€œInpatient Rehabilitation Centers and Concern for Increasing Volume of Ischemic Stroke Patients Requiring Rehabilitationâ€• Southern Medical Journal, 2013, 106, 697. | 0.7 | 0 |
| 47 | Intra-arterial therapies for acute ischemic stroke: unsafe and without proven value. Journal of NeuroInterventional Surgery, 2012, 4, 164-166. | 3.3 | 2 |
| 48 | Letter by Powers Regarding Article, â€œFailure of Cerebral Hemodynamic Selection in General or of Specific Positron Emission Tomography Methodology? Carotid Occlusion Surgery Study (COSS)â€• Stroke, 2012, 43, e43. | 2.0 | 6 |
| 49 | Thromobolysis for Acute Ischemic Stroke: Is Intra-arterial Better than Intravenous? A Treatment Effects Model. Journal of Stroke and Cerebrovascular Diseases, 2012, 21, 401-403. | 1.6 | 5 |
| 50 | Perfusionâ€“Diffusion Mismatch: Does It Identify Who Will Benefit from Reperfusion Therapy?. Translational Stroke Research, 2012, 3, 182-187. | 4.2 | 5 |
| 51 | Platelet Mitochondrial Complex I and I+III Activities Do Not Correlate with Cerebral Mitochondrial Oxidative Metabolism. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, e1-e5. | 4.3 | 10 |
| 52 | Metabolic Control of Resting Hemispheric Cerebral Blood Flow is Oxidative, not Glycolytic. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 1223-1228. | 4.3 | 20 |
| 53 | Management of Patients With Atherosclerotic Carotid Occlusion. Current Treatment Options in Neurology, 2011, 13, 608-615. | 1.8 | 17 |
| 54 | Extracranial-Intracranial Bypass Surgery for Stroke Prevention in Hemodynamic Cerebral Ischemia. JAMA - Journal of the American Medical Association, 2011, 306, 1983. | 7.4 | 658 |

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|---|---|---|---|
| 55 | Intracerebral Hemorrhage and Head Trauma: Common Effects and Common Mechanisms of Injury. Stroke, 2010, 41, S107-S110. | 2.0 | 35 |
| 56 | PET studies of cerebral metabolism in Parkinson Disease. Journal of Bioenergetics and Biomembranes, 2009, 41, 505-508. | 2.3 | 4 |
| 57 | Autoregulation after ischaemic stroke. Journal of Hypertension, 2009, 27, 2218-2222. | 0.5 | 45 |
| 58 | Cerebral Mitochondrial Metabolism in Early Parkinson's Disease. Journal of Cerebral Blood Flow and Metabolism, 2008, 28, 1754-1760. | 4.3 | 32 |
| 59 | Intra-Arterial Thrombolysis for Basilar Artery Thrombosis. Stroke, 2007, 38, 704-706. | 2.0 | 15 |
| 60 | Selective defect of in vivo glycolysis in early Huntington's disease striatum. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2945-2949. | 7.1 | 149 |
| 61 | Normal platelet mitochondrial complex I activity in Huntingtonâ€™s Disease. Neurobiology of Disease, 2007, 27, 99-101. | 4.4 | 28 |
| 62 | Primary Angiitis of the Central Nervous System at Conventional Angiography. Radiology, 2004, 233, 878-882. | 7.3 | 139 |
| 63 | Atherosclerotic carotid artery occlusion. Current Treatment Options in Cardiovascular Medicine, 2003, 5, 501-509. | 0.9 | 20 |
| 64 | Atherosclerotic carotid artery occlusion. Current Treatment Options in Neurology, 2003, 5, 381-389. | 1.8 | 0 |
| 65 | The use of positron emission tomography in cerebrovascular disease. Neuroimaging Clinics of North America, 2003, 13, 741-758. | 1.0 | 42 |
| 66 | Prognosis of patients with suspected primary CNS angiitis and negative brain biopsy. Neurology, 2003, 61, 831-833. | 1.1 | 40 |
| 67 | 10 Most Commonly Asked Questions About Carotid Artery Occlusion. Neurologist, 2003, 9, 167-169. | 0.7 | 0 |
| 68 | Quantitative measurements of cerebral blood flow in patients with unilateral carotid artery occlusion: A PET and MR study. Journal of Magnetic Resonance Imaging, 2001, 14, 659-667. | 3.4 | 107 |
| 69 | Hypoperfusion without Ischemia Surrounding Acute Intracerebral Hemorrhage. Journal of Cerebral Blood Flow and Metabolism, 2001, 21, 804-810. | 4.3 | 355 |
| 70 | Mirror Movements Complicate Interpretation of Cerebral Activation Changes during Recovery from Subcortical Infarction. Neurorehabilitation and Neural Repair, 2000, 14, 213-221. | 2.9 | 33 |
| 71 | Progression of Mass Effect After Intracerebral Hemorrhage. Stroke, 1999, 30, 1167-1173. | 2.0 | 371 |
| 72 | Count-based PET Method for Predicting Ischemic Stroke in Patients with Symptomatic Carotid Arterial Occlusion. Radiology, 1999, 212, 499-506. | 7.3 | 80 |

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|---|---|---|---|
| 73 | Quantitative Magnetic Resonance Imaging in Experimental Hypercapnia: Improvement in the Relation between Changes in Brain R2* and the Oxygen Saturation of Venous Blood after Correction for Changes in Cerebral Blood Volume. Journal of Cerebral Blood Flow and Metabolism, 1999, 19, 853-862. | 4.3 | 43 |
| 74 | Compensatory Mechanisms for Chronic Cerebral Hypoperfusion in Patients With Carotid Occlusion. Stroke, 1999, 30, 1019-1024. | 2.0 | 116 |
| 75 | Cerebral Glucose Transport and Metabolism in Preterm Human Infants. Journal of Cerebral Blood Flow and Metabolism, 1998, 18, 632-638. | 4.3 | 64 |
| 76 | Experimental hypoxemic hypoxia: Changes in R2* of brain parenchyma accurately reflect the combined effects of changes in arterial and cerebral venous oxygen saturation. Magnetic Resonance in Medicine, 1998, 39, 474-481. | 3.0 | 50 |
| 77 | Effects of acute normovolemic hemodilution onT2* - weighted images of rat brain. Magnetic Resonance in Medicine, 1998, 40, 857-864. | 3.0 | 26 |
| 78 | Quantitative regional brain water measurement with magnetic resonance imaging in a focal ischemia model. Magnetic Resonance in Medicine, 1997, 38, 303-310. | 3.0 | 36 |
| 79 | Cerebral transport and metabolism of 1-11C-D-glucose during stepped hypoglycemia. Annals of Neurology, 1995, 38, 599-609. | 5.3 | 23 |
| 80 | Cerebral Oxygen Metabolism after Aneurysmal Subarachnoid Hemorrhage. Journal of Cerebral Blood Flow and Metabolism, 1991, 11, 837-844. | 4.3 | 135 |
| 81 | Cerebral hemodynamics in ischemic cerebrovascular disease. Annals of Neurology, 1991, 29, 231-240. | 5.3 | 806 |
| 82 | Influence of cerebral hemodynamics on stroke risk: Oneâ€year followâ€up of 30 medically treated patients. Annals of Neurology, 1989, 25, 325-330. | 5.3 | 133 |
| 83 | Cerebral blood flow requirement for brain viability in newborn infants is lower than in adults. Annals of Neurology, 1988, 24, 218-226. | 5.3 | 182 |
| 84 | The Effect of Hemodynamically Significant Carotid Artery Disease on the Hemodynamic Status of the Cerebral Circulation. Annals of Internal Medicine, 1987, 106, 27. | 3.9 | 433 |
| 85 | Cerebral Blood Volume Measured with Inhaled C<sup>15</sup>O and Positron Emission Tomography. Journal of Cerebral Blood Flow and Metabolism, 1987, 7, 421-426. | 4.3 | 163 |
| 86 | Cerebral Blood Flow and Cerebral Metabolic Rate of Oxygen Requirements for Cerebral Function and Viability in Humans. Journal of Cerebral Blood Flow and Metabolism, 1985, 5, 600-608. | 4.3 | 462 |
| 87 | Dynamic measurements of local blood flow and metabolism in the study of higher cortical function in humans with positron emission tomography. Annals of Neurology, 1984, 15, 48-49. | 5.3 | 21 |
| 88 | Physiological responses to focal cerebral ischemia in humans. Annals of Neurology, 1984, 16, 546-552. | 5.3 | 267 |
| 89 | Hyperglycemia is not associated with mortality in bacterial meningitis. Annals of Neurology, 1983, 14, 82-83. | 5.3 | 0 |