

Gary Higgs

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

2,289
citations

218677

26
h-index

223800

46
g-index

85
all docs

85
docs citations

85
times ranked

2223
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | A Literature Review of the Use of GIS-Based Measures of Access to Health Care Services. <i>Health Services and Outcomes Research Methodology</i> , 2004, 5, 119-139. | 1.8 | 215 |
| 2 | Measuring Potential Access to Primary Healthcare Services: The Influence of Alternative Spatial Representations of Population. <i>Professional Geographer</i> , 2006, 58, 294-306. | 1.8 | 151 |
| 3 | Multi-modal two-step floating catchment area analysis of primary health care accessibility. <i>Health and Place</i> , 2016, 38, 70-81. | 3.3 | 143 |
| 4 | Visualising space and time in crime patterns: A comparison of methods. <i>Computers, Environment and Urban Systems</i> , 2007, 31, 52-75. | 7.1 | 141 |
| 5 | Integrating multi-criteria techniques with geographical information systems in waste facility location to enhance public participation. <i>Waste Management and Research</i> , 2006, 24, 105-117. | 3.9 | 105 |
| 6 | Measuring transit system accessibility using a modified two-step floating catchment technique. <i>International Journal of Geographical Information Science</i> , 2012, 26, 193-214. | 4.8 | 86 |
| 7 | Investigating the Implications of Using Alternative GIS-Based Techniques to Measure Accessibility to Green Space. <i>Environment and Planning B: Planning and Design</i> , 2012, 39, 326-343. | 1.7 | 86 |
| 8 | Using IT approaches to promote public participation in renewable energy planning: Prospects and challenges. <i>Land Use Policy</i> , 2008, 25, 596-607. | 5.6 | 79 |
| 9 | The role of GIS for health utilization studies: literature review. <i>Health Services and Outcomes Research Methodology</i> , 2009, 9, 84-99. | 1.8 | 79 |
| 10 | Urban population distribution models and service accessibility estimation. <i>Computers, Environment and Urban Systems</i> , 2008, 32, 66-80. | 7.1 | 76 |
| 11 | Positional Accuracy and Geographic Bias of Four Methods of Geocoding in Epidemiologic Research. <i>Annals of Epidemiology</i> , 2007, 17, 464-470. | 1.9 | 68 |
| 12 | The use of spatial analytical techniques to explore patterns of fire incidence: A South Wales case study. <i>Computers, Environment and Urban Systems</i> , 2007, 31, 623-647. | 7.1 | 62 |
| 13 | Alternatives to census-based indicators of social disadvantage in rural communities. <i>Progress in Planning</i> , 2000, 53, 1-81. | 4.3 | 57 |
| 14 | Accessibility to sport facilities in Wales: A GIS-based analysis of socio-economic variations in provision. <i>Geoforum</i> , 2015, 62, 105-120. | 2.5 | 54 |
| 15 | Investigating trends in rural health outcomes: a research agenda. <i>Geoforum</i> , 1999, 30, 203-221. | 2.5 | 53 |
| 16 | Is there a role for GIS in the "new NHS"? <i>Health and Place</i> , 2001, 7, 247-259. | 3.3 | 51 |
| 17 | The influence of weather on local geographical patterns of police calls for service. <i>Environment and Planning B: Planning and Design</i> , 2009, 36, 906-926. | 1.7 | 50 |
| 18 | Investigating the association between weather conditions, calendar events and socio-economic patterns with trends in fire incidence: an Australian case study. <i>Journal of Geographical Systems</i> , 2011, 13, 193-226. | 3.1 | 40 |

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|----|--|-----|-----------|
| 19 | The Use of Comaps to Explore the Spatial and Temporal Dynamics of Fire Incidents: A Case Study in South Wales, United Kingdom— <i>Professional Geographer</i> , 2007, 59, 521-536. | 1.8 | 39 |
| 20 | Investigating variations in the provision of digital services in public libraries using network-based GIS models. <i>Library and Information Science Research</i> , 2013, 35, 24-32. | 2.0 | 37 |
| 21 | Risk of Congenital Anomalies after the Opening of Landfill Sites. <i>Environmental Health Perspectives</i> , 2005, 113, 1362-1365. | 6.0 | 36 |
| 22 | Modelling spatial access to General Practitioner surgeries: Does public transport availability matter?. <i>Journal of Transport and Health</i> , 2017, 6, 143-154. | 2.2 | 35 |
| 23 | Fire incidence in metropolitan areas: A comparative study of Brisbane (Australia) and Cardiff (United Kingdom). <i>International Journal of Geographical Information Science</i> , 2011, 25, 107-124. | 3.7 | 34 |
| 24 | Web-based GIS Approaches to Enhance Public Participation in Wind Farm Planning. <i>Transactions in GIS</i> , 2011, 15, 147-172. | 2.3 | 32 |
| 25 | GIScience, environmental justice, & estimating populations at risk: The case of landfills in Wales. <i>Applied Geography</i> , 2009, 29, 63-76. | 3.7 | 31 |
| 26 | Hydrological changes and river regulation in the UK. <i>River Research and Applications</i> , 1988, 2, 349-368. | 0.8 | 28 |
| 27 | Research Paper. The predictive use of GIS to model property valuations. <i>International Journal of Geographical Information Science</i> , 1994, 8, 217-235. | 4.8 | 26 |
| 28 | Accessibility and public service provision: evaluating the impacts of the Post Office Network Change Programme in the UK. <i>Transactions of the Institute of British Geographers</i> , 2010, 35, 585-601. | 2.9 | 26 |
| 29 | Findings from a survey on GIS use in the UK National Health Service: organisational challenges and opportunities. <i>Health Policy</i> , 2005, 72, 105-117. | 3.0 | 22 |
| 30 | Investigating the validity of rural-urban distinctions in the impacts of changing service provision: The example of postal service reconfiguration in Wales. <i>Geoforum</i> , 2013, 47, 53-64. | 2.5 | 21 |
| 31 | An evaluation of alternative measures of accessibility for investigating potential deprivation amplification in service provision. <i>Applied Geography</i> , 2018, 95, 19-33. | 3.7 | 18 |
| 32 | Investigating spatial variations in access to childcare provision using network-based Geographic Information System models. <i>Social Policy and Administration</i> , 2019, 53, 661-677. | 3.0 | 18 |
| 33 | The Use of Geographical Information Systems in Examining Variations in Sociodemographic Profiles of Dental Practice Catchments: A Case Study of a Swansea Practice. <i>Primary Dental Care</i> , 2002, 9, 63-69. | 0.3 | 18 |
| 34 | Using Geographic Information Systems to investigate variations in accessibility to extended hours primary healthcare provision. <i>Health and Social Care in the Community</i> , 2019, 27, 1074-1084. | 1.6 | 17 |
| 35 | The visualization of socio-economic GIS data using virtual reality tools. <i>Transactions in GIS</i> , 1996, 1, 255-266. | 2.3 | 16 |
| 36 | Examining the use of a geodemographic classification in an exploratory analysis of variations in fire incidence in South Wales, UK. <i>Fire Safety Journal</i> , 2013, 62, 37-48. | 3.1 | 15 |

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|----|--|-----|-----------|
| 37 | Investigating geospatial data usability from a health geography perspective using sensitivity analysis: The example of potential accessibility to primary healthcare. <i>Journal of Transport and Health</i> , 2017, 6, 128-142. | 2.2 | 15 |
| 38 | Measuring Spatial Accessibility to Services within Indices of Multiple Deprivation: Implications of Applying an Enhanced two-Step Floating Catchment Area (E2SFCA) Approach. <i>Applied Spatial Analysis and Policy</i> , 2019, 12, 321-348. | 2.0 | 15 |
| 39 | The use of GIS in the analysis of diverse urban databases. <i>Computers, Environment and Urban Systems</i> , 1994, 18, 55-66. | 7.1 | 13 |
| 40 | Gauging levels of public acceptance of the use of visualisation tools in promoting public participation; a case study of wind farm planning in South Wales, UK. <i>Journal of Environmental Planning and Management</i> , 2012, 55, 229-251. | 4.5 | 13 |
| 41 | Use of the census of population to discern trends in the Welsh language: an aggregate analysis. <i>Area</i> , 2004, 36, 187-201. | 1.6 | 12 |
| 42 | The application of network-based GIS tools to investigate spatial variations in the provision of sporting facilities. <i>Annals of Leisure Research</i> , 2018, 21, 178-198. | 1.7 | 12 |
| 43 | Understanding Spatial Variations in Accessibility to Banks Using Variable Floating Catchment Area Techniques. <i>Applied Spatial Analysis and Policy</i> , 2021, 14, 449-472. | 2.0 | 12 |
| 44 | GIS in Planning Departments: Preliminary Results from a Survey of Local Planning Authorities in Wales. <i>Planning Practice and Research</i> , 1999, 14, 341-361. | 1.7 | 11 |
| 45 | Morbidity, deprivation and drug prescribing: factors affecting variations in prescribing between doctors' practices. <i>Health and Place</i> , 2003, 9, 281-289. | 3.3 | 11 |
| 46 | Using machine learning tools to investigate factors associated with trends in 'no-shows' in outpatient appointments. <i>Health and Place</i> , 2021, 67, 102496. | 3.3 | 10 |
| 47 | (Re)surveying the uses of Geographical Information Systems in Health Authorities 1991-2001. <i>Area</i> , 2003, 35, 74-83. | 1.6 | 9 |
| 48 | The social context of Welsh-medium bilingual education in anglicised areas. <i>Journal of Sociolinguistics</i> , 1999, 3, 173-193. | 1.2 | 8 |
| 49 | Sharing environmental data across organisational boundaries: Lessons from the rural Wales terrestrial database project. <i>Annals of Regional Science</i> , 1999, 33, 233-249. | 2.1 | 8 |
| 50 | Evaluating the utility and accuracy of a reverse telephone directory to identify the location of survey respondents. <i>Annals of Epidemiology</i> , 2005, 15, 160-166. | 1.9 | 8 |
| 51 | Statutory designation and land-use changes – a case study from mid-Wales. <i>Journal of Rural Studies</i> , 1990, 6, 279-290. | 4.7 | 7 |
| 52 | The Distribution of Younger Welsh Speakers in Anglicised Areas of South East Wales. <i>Journal of Multilingual and Multicultural Development</i> , 1997, 18, 489-495. | 1.7 | 7 |
| 53 | Computing geographical access to services: The design of a client-server solution that incorporates multiple transport modes. <i>Transactions in GIS</i> , 2021, 25, 1849-1867. | 2.3 | 5 |
| 54 | Health-Care Commissioning, the Modern NHS, and Geographical Information Systems. <i>Environment and Planning A</i> , 2000, 32, 1905-1908. | 3.6 | 4 |

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|----|--|-----|-----------|
| 55 | Adapting to change: dental prescriptions. <i>British Journal of Health Care Management</i> , 2008, 14, 500-504. | 0.2 | 4 |
| 56 | Assessing the impacts of changing public service provision on geographical accessibility: An examination of public library provision in Pembrokeshire, South Wales. <i>Environment and Planning C: Politics and Space</i> , 2018, 36, 548-568. | 1.9 | 4 |
| 57 | Towards an understanding of inequalities in accessing residential and nursing home provision: The role of geographical approaches. <i>Health and Social Care in the Community</i> , 2022, , . | 1.6 | 4 |
| 58 | The geography of genetics: an analysis of referral patterns to a cancer genetics service. <i>Genomic Medicine</i> , 2007, 1, 129-138. | 0.3 | 3 |
| 59 | Using routine activity theory to inform a conceptual understanding of the geography of fire events. <i>Geoforum</i> , 2016, 75, 180-185. | 2.5 | 3 |
| 60 | The national GIS demonstrator of common lands for England and Wales. <i>Journal of Environmental Planning and Management</i> , 1994, 37, 33-51. | 4.5 | 2 |
| 61 | Analysing spatial trends in referral patterns to cancer genetics services: a preliminary investigation of regional variations in Wales. <i>Health Services Management Research</i> , 2004, 17, 263-271. | 1.7 | 2 |
| 62 | Primary care referrals to a British regional cancer genetics service. <i>Journal of Clinical Nursing</i> , 2008, 17, 3074-3076. | 3.0 | 2 |
| 63 | The WISERD Geoportal: A Tool for the Discovery, Analysis and Visualization of Socio-economic (Meta) Data for Wales. <i>Transactions in GIS</i> , 2012, 16, 105-124. | 2.3 | 2 |
| 64 | An exploratory analysis of spatial variations in organ donation registration rates in Wales prior to the implementation of the Human Transplantation (Wales) Act 2013. <i>Health and Place</i> , 2018, 52, 18-24. | 3.3 | 2 |
| 65 | Exploring spatiotemporal variations in public library provision following a prolonged period of economic austerity: A GIS approach. <i>Area</i> , 2020, 52, 342-353. | 1.6 | 2 |
| 66 | Combining Temporal and Multi-Modal Approaches to Better Measure Accessibility to Banking Services. <i>ISPRS International Journal of Geo-Information</i> , 2022, 11, 350. | 2.9 | 2 |
| 67 | Building a geoportal for enhancing collaborative socio-economic research in Wales using open-source technology. <i>Journal of Applied Research in Higher Education</i> , 2010, 2, 78-92. | 1.9 | 1 |
| 68 | Review of the role of geographical information systems in housing: Potential areas for future research. <i>Housing Studies</i> , 1994, 9, 393-404. | 2.4 | 0 |
| 69 | The census data system. <i>Area</i> , 2003, 35, 332-334. | 1.6 | 0 |
| 70 | Planning Support Systems in Practice. Edited by STANGEERTMAN and JOHNSTILLWELL (Berlin:) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147</i> <i>Geographical Information Science</i> , 2004, 18, 204-205. | 4.8 | 0 |
| 71 | Exploring the relationship between local volunteering opportunities and the propensity to volunteer using a nationally representative survey of adults in Wales. <i>Journal of Civil Society</i> , 2021, 17, 101-118. | 0.5 | 0 |