

Ian Spence

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

3,849
citations

172457

29
h-index

128289

60
g-index

89
all docs

89
docs citations

89
times ranked

3007
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Evolution, Ecology, and Zoonotic Transmission of Betacoronaviruses: A Review. <i>Frontiers in Veterinary Science</i> , 2021, 8, 644414. | 2.2 | 10 |
| 2 | QSAR ligand dataset for modelling mutagenicity, genotoxicity, and rodent carcinogenicity. <i>Data in Brief</i> , 2018, 17, 876-884. | 1.0 | 5 |
| 3 | Combining machine learning models of in vitro and in vivo bioassays improves rat carcinogenicity prediction. <i>Regulatory Toxicology and Pharmacology</i> , 2018, 94, 8-15. | 2.7 | 17 |
| 4 | Depression and cardiac dysautonomia in eating disorders. <i>Eating and Weight Disorders</i> , 2018, 23, 369-374. | 2.5 | 6 |
| 5 | Playing Action Video Games Boosts Visual Attention. , 2018, , 93-104. | | 7 |
| 6 | Destination, Seen Unclearly: Relevance of Head-Up Display Information to Driving Is Unrelated to Its Processing. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2017, 61, 1899-1903. | 0.3 | 1 |
| 7 | Who is buried in Playfair's grave?. <i>Significance</i> , 2017, 14, 20-23. | 0.4 | 0 |
| 8 | The Effects of Spatial Endogenous Pre-cueing across Eccentricities. <i>Frontiers in Psychology</i> , 2017, 8, 888. | 2.1 | 6 |
| 9 | Is There a Single Method for the Internet of Things?. <i>Queue</i> , 2017, 15, 25-51. | 1.1 | 12 |
| 10 | Is there a single method for the internet of things?. <i>Communications of the ACM</i> , 2017, 60, 46-53. | 4.5 | 20 |
| 11 | Industrial-scale agile. <i>Communications of the ACM</i> , 2016, 59, 63-71. | 4.5 | 8 |
| 12 | Use-case 2.0. <i>Communications of the ACM</i> , 2016, 59, 61-69. | 4.5 | 27 |
| 13 | The Commingled Division of Visual Attention. <i>PLoS ONE</i> , 2015, 10, e0130611. | 2.5 | 9 |
| 14 | Major-league SEMAT: Why Should an Executive Care?. <i>Queue</i> , 2014, 12, 20-28. | 1.1 | 0 |
| 15 | Major-league SEMAT. <i>Communications of the ACM</i> , 2014, 57, 44-50. | 4.5 | 7 |
| 16 | Upper Visual Field Advantage in Localizing a Target among Distractors. <i>I-Perception</i> , 2014, 5, 97-100. | 1.4 | 18 |
| 17 | Playing shooter and driving videogames improves top-down guidance in visual search. <i>Attention, Perception, and Psychophysics</i> , 2013, 75, 673-686. | 1.3 | 96 |
| 18 | Agile and SEMAT. <i>Communications of the ACM</i> , 2013, 56, 53-59. | 4.5 | 18 |

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|----|---|-----|-----------|
| 19 | How Speech Modifies Visual Attention. <i>Applied Cognitive Psychology</i> , 2013, 27, 633-643. | 1.6 | 5 |
| 20 | A Mixture Distribution of Spatial Attention. <i>Experimental Psychology</i> , 2013, 60, 149-156. | 0.7 | 5 |
| 21 | The essence of software engineering. <i>Communications of the ACM</i> , 2012, 55, 42-49. | 4.5 | 95 |
| 22 | Re-founding software engineering – SEMAT at the age of three (keynote abstract). , 2012, , . | | 2 |
| 23 | The Essence of Software Engineering: The SEMAT Kernel. <i>Queue</i> , 2012, 10, 40-51. | 1.1 | 33 |
| 24 | Acute Antioxidant Supplementation Improves Endurance Performance in Trained Athletes. <i>Research in Sports Medicine</i> , 2012, 20, 1-12. | 1.3 | 26 |
| 25 | Refounding software engineering: The Semat initiative (Invited presentation). , 2012, , . | | 2 |
| 26 | Playing a First-person Shooter Video Game Induces Neuroplastic Change. <i>Journal of Cognitive Neuroscience</i> , 2012, 24, 1286-1293. | 2.3 | 108 |
| 27 | Attention and Visuospatial Working Memory Share the Same Processing Resources. <i>Frontiers in Psychology</i> , 2012, 3, 103. | 2.1 | 29 |
| 28 | Systematics of <i>Cuscuta chinensis</i> species complex (subgenus <i>Grammica</i> , <i>Convolvulaceae</i>): evidence for long-distance dispersal and one new species. <i>Organisms Diversity and Evolution</i> , 2011, 11, 373-386. | 1.6 | 29 |
| 29 | Video Games and Spatial Cognition. <i>Review of General Psychology</i> , 2010, 14, 92-104. | 3.2 | 360 |
| 30 | Visual guidance in the exploration of large databases. , 2010, , . | | 1 |
| 31 | Left or right?. , 2010, , . | | 2 |
| 32 | A serotonergic basis for hyperphagic eating changes in Alzheimer's disease. <i>Journal of the Neurological Sciences</i> , 2010, 288, 151-155. | 0.6 | 38 |
| 33 | Smart Group Interactions. <i>Lecture Notes in Computer Science</i> , 2010, , 88-102. | 1.3 | 0 |
| 34 | The technology profile inventory: Construction, validation, and application. <i>Computers in Human Behavior</i> , 2009, 25, 458-465. | 8.5 | 6 |
| 35 | Immunization with a synthetic robustoxin derivative lacking disulphide bridges protects against a potentially lethal challenge with funnel-web spider (<i>Atrax robustus</i>) venom. <i>Journal of Biosciences</i> , 2009, 34, 35-44. | 1.1 | 6 |
| 36 | Commemorating William Playfair’s 250th birthday. <i>Computational Statistics</i> , 2009, 24, 551-566. | 1.5 | 24 |

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|----|---|-----|-----------|
| 37 | Women match men when learning a spatial skill.. Journal of Experimental Psychology: Learning Memory and Cognition, 2009, 35, 1097-1103. | 0.9 | 88 |
| 38 | Attending to large dynamic displays. , 2008, , . | | 2 |
| 39 | Short-term ECG recording for the identification of cardiac autonomic neuropathy in people with diabetes mellitus. AIP Conference Proceedings, 2007, , . | 0.4 | 8 |
| 40 | A Novel Methodology to Probe Endothelial Differential Gene Expression Profile Reveals Novel Genes. Endothelium: Journal of Endothelial Cell Research, 2007, 14, 303-314. | 1.7 | 1 |
| 41 | Playing an Action Video Game Reduces Gender Differences in Spatial Cognition. Psychological Science, 2007, 18, 850-855. | 3.3 | 870 |
| 42 | Implicit measures of lostness and success in web navigation. Interacting With Computers, 2007, 19, 357-369. | 1.5 | 79 |
| 43 | Effects of Cognitive Training on Individual Differences in Attention. Lecture Notes in Computer Science, 2007, , 279-287. | 1.3 | 4 |
| 44 | Enough of Processes - Lets do Practices.. Journal of Object Technology, 2007, 6, 41. | 0.9 | 66 |
| 45 | How Color Enhances Visual Memory for Natural Scenes. Psychological Science, 2006, 17, 1-6. | 3.3 | 84 |
| 46 | What Can Searching Behavior Tell Us About the Difficulty of Information Tasks? A Study of Web Navigation. Proceedings of the American Society for Information Science and Technology, 2006, 43, 1-22. | 0.2 | 67 |
| 47 | William Playfair and His Graphical Inventions: An Excerpt From the Introduction to the Republication of HisAtlasandStatistical Breviary. American Statistician, 2005, 59, 224-229. | 1.6 | 0 |
| 48 | No Humble Pie: The Origins and Usage of a Statistical Chart. Journal of Educational and Behavioral Statistics, 2005, 30, 353-368. | 1.7 | 72 |
| 49 | The Apparent and Effective Dimensionality of Representations of Objects. Human Factors, 2004, 46, 738-747. | 3.5 | 17 |
| 50 | Profiling information technology users: en route to dynamic personalization. Computers in Human Behavior, 2004, 20, 55-65. | 8.5 | 39 |
| 51 | Serotonin transporters are preserved in the neocortex of anxious Alzheimer's disease patients. NeuroReport, 2003, 14, 1297-1300. | 1.2 | 2 |
| 52 | Serotonin transporters are preserved in the neocortex of anxious Alzheimer's disease patients. NeuroReport, 2003, 14, 1297-1300. | 1.2 | 19 |
| 53 | Postmortem serotonergic correlates of cognitive decline in Alzheimer's disease. NeuroReport, 2002, 13, 1175-1178. | 1.2 | 84 |
| 54 | Target detection in scientific visualization.. Journal of Experimental Psychology: Applied, 2001, 7, 13-26. | 1.2 | 6 |

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|----|---|-----|-----------|
| 55 | The discrimination of graphical elements. <i>Applied Cognitive Psychology</i> , 2001, 15, 413-431. | 1.6 | 21 |
| 56 | Target detection in scientific visualization.. <i>Journal of Experimental Psychology: Applied</i> , 2001, 7, 13-26. | 1.2 | 1 |
| 57 | Using color to code quantity in spatial displays.. <i>Journal of Experimental Psychology: Applied</i> , 1999, 5, 393-412. | 1.2 | 30 |
| 58 | Judging proportion with graphs: the summation model. <i>Applied Cognitive Psychology</i> , 1998, 12, 173-190. | 1.6 | 56 |
| 59 | William Playfair: A Daring Worthless Fellow. <i>Chance</i> , 1997, 10, 31-34. | 0.2 | 14 |
| 60 | Chronic Cerebral Hypoperfusion Inhibits Calcium-Induced Long-term Potentiation in Rats. <i>Stroke</i> , 1997, 28, 1043-1048. | 2.0 | 21 |
| 61 | Graphs and Psychophysics. <i>Visual Communication Quarterly</i> , 1995, 2, 8-11. | 0.4 | 1 |
| 62 | Children's Perception of Proportion in Graphs. <i>Child Development</i> , 1994, 65, 1193-1213. | 3.0 | 17 |
| 63 | Children's Perception of Proportion in Graphs. <i>Child Development</i> , 1994, 65, 1193. | 3.0 | 25 |
| 64 | A Remarkable Scatterplot. <i>American Statistician</i> , 1993, 47, 12-19. | 1.6 | 15 |
| 65 | A Remarkable Scatterplot. <i>American Statistician</i> , 1993, 47, 12. | 1.6 | 14 |
| 66 | Judgments of Change and Proportion in Graphical Perception. <i>Human Factors</i> , 1992, 34, 313-334. | 3.5 | 73 |
| 67 | Protection of monkeys against the lethal effects of male funnel-web spider (<i>Atrax robustus</i>) venom by immunization with a toxoid. <i>Toxicon</i> , 1991, 29, 603-611. | 1.6 | 4 |
| 68 | Displaying proportions and percentages. <i>Applied Cognitive Psychology</i> , 1991, 5, 61-77. | 1.6 | 134 |
| 69 | Visual psychophysics of simple graphical elements.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 1990, 16, 683-692. | 0.9 | 139 |
| 70 | Discriminating Strata in Scatterplots. <i>Journal of the American Statistical Association</i> , 1989, 84, 682-688. | 3.1 | 71 |
| 71 | The Perception of Statistical Graphs. <i>Sociological Methods and Research</i> , 1989, 18, 200-242. | 6.8 | 74 |
| 72 | Robust multidimensional scaling. <i>Psychometrika</i> , 1989, 54, 501-513. | 2.1 | 36 |

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|----|---|-----|-----------|
| 73 | Effects of Lead Salts on the Uptake, Release, and Binding of γ -Aminobutyric Acid: The Importance of Buffer Composition. <i>Journal of Neurochemistry</i> , 1989, 52, 433-440. | 3.9 | 12 |
| 74 | Actions of robustoxin, a neurotoxic polypeptide from the venom of the male funnel-web spider (<i>Atrax tjedti</i>). <i>Toxicon</i> , 1989, 23, 101-110. | 1.6 | 42 |
| 75 | Discriminating Strata in Scatterplots. <i>Journal of the American Statistical Association</i> , 1989, 84, 682. | 3.1 | 3 |
| 76 | Monte Carlo Simulation Studies. <i>Applied Psychological Measurement</i> , 1983, 7, 405-425. | 1.0 | 27 |
| 77 | Dual scaling: An alternative approach to categorical data.. <i>Canadian Journal of Psychology</i> , 1983, 37, 313-317. | 0.8 | 0 |
| 78 | Class-Inclusion Reasoning: Patterns of Performance from Three to Eight Years. <i>Child Development</i> , 1982, 53, 780. | 3.0 | 9 |
| 79 | Searching for structure in counted data.. <i>Canadian Journal of Psychology</i> , 1982, 36, 117-120. | 0.8 | 0 |
| 80 | A Simple Approximation For Random Rankings Stress Values. <i>Multivariate Behavioral Research</i> , 1979, 14, 355-365. | 3.1 | 31 |
| 81 | Using distance information in the design of large multidimensional scaling experiments.. <i>Psychological Bulletin</i> , 1979, 86, 60-66. | 6.1 | 22 |
| 82 | Monte Carlo studies in nonmetric scaling. <i>Psychometrika</i> , 1978, 43, 115-117. | 2.1 | 15 |
| 83 | THE DETERMINATION OF THE UNDERLYING DIMENSIONALITY OF AN EMPIRICALLY OBTAINED MATRIX OF PROXIMITIES. <i>Multivariate Behavioral Research</i> , 1974, 9, 331-341. | 3.1 | 63 |
| 84 | On random rankings studies in nonmetric scaling. <i>Psychometrika</i> , 1974, 39, 267-268. | 2.1 | 9 |
| 85 | Single subject incomplete designs for nonmetric multidimensional scaling. <i>Psychometrika</i> , 1974, 39, 469-490. | 2.1 | 86 |
| 86 | A TABLE OF EXPECTED STRESS VALUES FOR RANDOM RANKINGS IN NONMETRIC MULTIDIMENSIONAL SCALING. <i>Multivariate Behavioral Research</i> , 1973, 8, 511-517. | 3.1 | 148 |
| 87 | A monte carlo evaluation of three nonmetric multidimensional scaling algorithms. <i>Psychometrika</i> , 1972, 37, 461-486. | 2.1 | 57 |
| 88 | An assessment of the Coulter counter model S. <i>Journal of Clinical Pathology</i> , 1970, 23, 68-76. | 2.0 | 32 |