

Scott J Nissen

List of Publications by Year in descending order

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80
papers

2,750
citations

186265

28
h-index

197818

49
g-index

80
all docs

80
docs citations

80
times ranked

2036
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Gene amplification confers glyphosate resistance in <i>Amaranthus palmeri</i> . Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 1029-1034. | 7.1 | 557 |
| 2 | A Lack of Evidence for an Ecological Role of the Putative Allelochemical (±)-Catechin in Spotted Knapweed Invasion Success. Journal of Chemical Ecology, 2006, 32, 2327-2331. | 1.8 | 119 |
| 3 | Herbicide-resistant weeds: from research and knowledge to future needs. Evolutionary Applications, 2013, 6, 1218-1221. | 3.1 | 108 |
| 4 | New techniques and findings in the study of a candidate allelochemical implicated in invasion success. Ecology Letters, 2005, 8, 1039-1047. | 6.4 | 96 |
| 5 | Imidazolinone Herbicides Improve Restoration of Great Plains Grasslands. Weed Technology, 1996, 10, 392-403. | 0.9 | 84 |
| 6 | Characterization of Glyphosate Resistance in <i>Amaranthus tuberculatus</i> Populations. Journal of Agricultural and Food Chemistry, 2014, 62, 8134-8142. | 5.2 | 78 |
| 7 | Weed Control in Soybean (<i>Glycine max</i>) with Green Manure Crops. Weed Technology, 1998, 12, 97-102. | 0.9 | 73 |
| 8 | Relationship between Indole-3-Acetic Acid Levels in Apple (<i>Malus pumila</i> Mill) Rootstocks Cultured <i>in Vitro</i> and Adventitious Root Formation in the Presence of Indole-3-Butyric Acid. Plant Physiology, 1989, 89, 439-443. | 4.8 | 72 |
| 9 | DNA-Based Marker Systems to Determine Genetic Diversity of Weedy Species and Their Application to Biocontrol. Weed Science, 1995, 43, 504-513. | 1.5 | 71 |
| 10 | Nonlinear Regression Analysis of Herbicide Absorption Studies. Weed Science, 2011, 59, 601-610. | 1.5 | 65 |
| 11 | Inheritance of Resistance to The Auxinic Herbicide Dicamba in Kochia (<i>Kochia scoparia</i>). Weed Science, 2009, 57, 43-47. | 1.5 | 62 |
| 12 | Metabolism of 2,4-dichlorophenoxyacetic acid contributes to resistance in a common waterhemp (<i>Amaranthus tuberculatus</i>) population. Pest Management Science, 2018, 74, 2356-2362. | 3.4 | 60 |
| 13 | Multiple Resistance to Glyphosate and Acetolactate Synthase Inhibitors in Palmer Amaranth (<i>Amaranthus palmeri</i>) Identified in Brazil. Weed Science, 2017, 65, 317-326. | 1.5 | 55 |
| 14 | Effect of Commercial Adjuvants on Vegetable Crop Fungicide Coverage, Absorption, and Efficacy. Plant Disease, 2003, 87, 591-597. | 1.4 | 48 |
| 15 | Vapor Movement of Synthetic Auxin Herbicides: Aminocyclopyrachlor, Aminocyclopyrachlor-Methyl Ester, Dicamba, and Aminopyralid. Weed Science, 2010, 58, 103-108. | 1.5 | 46 |
| 16 | Indaziflam: a new cellulose biosynthesis-inhibiting herbicide provides long-term control of invasive winter annual grasses. Pest Management Science, 2017, 73, 2149-2162. | 3.4 | 46 |
| 17 | Quantification of Indole-3-Acetic Acid in Dark-Grown Seedlings of the <i>Diageotropica</i> and <i>Epinastic</i> Mutants of Tomato (<i>Lycopersicon esculentum</i> Mill.). Plant Physiology, 1988, 88, 780-784. | 4.8 | 41 |
| 18 | Absorption and Translocation of Aminocyclopyrachlor and Aminocyclopyrachlor-Methyl Ester in Canada Thistle (<i>Cirsium arvense</i>). Weed Science, 2010, 58, 96-102. | 1.5 | 41 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Absorption, translocation, and metabolism of imazamox in jointed goatgrass and feral rye. <i>Weed Science</i> , 2001, 49, 607-612. | 1.5 | 39 |
| 20 | The importance of analytical techniques in allelopathy studies with the reported allelochemical catechin as an example. <i>Biological Invasions</i> , 2009, 11, 325-332. | 2.4 | 38 |
| 21 | Confirmation and mechanism of glyphosate resistance in tall windmill grass (<i>Chloris elata</i>) from Brazil. <i>Pest Management Science</i> , 2016, 72, 1758-1764. | 3.4 | 38 |
| 22 | A Potential New Herbicide for Invasive Annual Grass Control on Rangeland. <i>Rangeland Ecology and Management</i> , 2016, 69, 195-198. | 2.3 | 37 |
| 23 | A KASP Genotyping Method to Identify Northern Watermilfoil, Eurasian Watermilfoil, and Their Interspecific Hybrids. <i>Frontiers in Plant Science</i> , 2017, 8, 752. | 3.6 | 36 |
| 24 | Seed Bank Depletion: The Key to Long-Term Downy Brome (<i>Bromus tectorum</i> L.) Management. <i>Rangeland Ecology and Management</i> , 2017, 70, 477-483. | 2.3 | 35 |
| 25 | Genetic diversity of jointed goatgrass (<i>Aegilops cylindrica</i>) determined with RAPD and AFLP markers. <i>Weed Science</i> , 2003, 51, 287-293. | 1.5 | 33 |
| 26 | Genetic variation in North American leafy spurge (<i>Euphorbia esula</i>) determined by DNA markers. <i>Weed Science</i> , 1997, 45, 446-454. | 1.5 | 32 |
| 27 | Aminopyralid and Clopyralid Absorption and Translocation in Canada Thistle (<i>Cirsium arvense</i>). <i>Weed Science</i> , 2009, 57, 10-15. | 1.5 | 31 |
| 28 | Adjuvant Effects on Imazethapyr, 2,4-D and Picloram Absorption by Leafy Spurge (<i>Euphorbia</i>) Tj ETQq0 0 0 rgBT/Overlock_10 Tf 50 3 | 1.5 | 30 |
| 29 | Jointed Goatgrass (<i>Aegilops Cylindrica</i>) by Imidazolinone-Resistant Wheat Hybridization under Field Conditions. <i>Weed Science</i> , 2008, 56, 32-36. | 1.5 | 30 |
| 30 | Revegetating Leafy Spurge (<i>Euphorbia esula</i>)-Infested Rangeland with Native Tallgrasses. <i>Weed Technology</i> , 1998, 12, 381-390. | 0.9 | 29 |
| 31 | Leafy Spurge (<i>Euphorbia esula</i>) Genotype Affects Gall Midge (<i>Spurgia esulae</i>) Establishment. <i>Weed Science</i> , 1996, 44, 629-633. | 1.5 | 28 |
| 32 | Mechanism of primisulfuron resistance in a shattercane (<i>Sorghum bicolor</i>) biotype. <i>Weed Science</i> , 1998, 46, 158-162. | 1.5 | 27 |
| 33 | Absorption and fate of carfentrazone-ethyl in <i>Zea mays</i> , <i>Glycine max</i> , and <i>Abutilon theophrasti</i> . <i>Weed Science</i> , 2000, 48, 15-19. | 1.5 | 27 |
| 34 | Indole-3-acetic acid and indole-3-butyric acid in tissues of carrot inoculated with <i>Agrobacterium rhizogenes</i> . <i>Journal of Plant Growth Regulation</i> , 1991, 10, 97-100. | 5.1 | 26 |
| 35 | Herbivory and novel weapons: no evidence for enhanced competitive ability or allelopathy induction of <i>Centaurea diffusa</i> by biological controls. <i>Biological Invasions</i> , 2008, 10, 79-88. | 2.4 | 25 |
| 36 | Seed retention of winter annual grass weeds at winter wheat harvest maturity shows potential for harvest weed seed control. <i>Weed Technology</i> , 2020, 34, 266-271. | 0.9 | 22 |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Correlative Inhibition and Dormancy in Root Buds of Leafy Spurge (<i>Euphorbia esula</i>). <i>Weed Science</i> , 1987, 35, 155-159. | 1.5 | 21 |
| 38 | The influence of surfactant and nitrogen on foliar absorption of MON 37500. <i>Weed Science</i> , 1999, 47, 270-274. | 1.5 | 21 |
| 39 | Response of Selected Hard Red Wheat Lines to Imazamox as Affected by Number and Location of Resistance Genes, Parental Background, and Growth Habit. <i>Crop Science</i> , 2006, 46, 1206-1211. | 1.8 | 21 |
| 40 | Pre- and post-introduction patterns in neutral genetic diversity in the leafy spurge gall midge, <i>Spurgia capitigena</i> (Bremi) (Diptera: Cecidomyiidae). <i>Biological Control</i> , 2005, 33, 153-164. | 3.0 | 20 |
| 41 | Aminocyclopyrachlor Absorption, Translocation and Metabolism in Field Bindweed (<i>Convolvulus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 | 1.5 | 20 |
| 42 | Influence of soil properties and soil moisture on the efficacy of indaziflam and flumioxazin on <i>Kochia scoparia</i> L. <i>Pest Management Science</i> , 2017, 73, 444-451. | 3.4 | 19 |
| 43 | Survey reveals frequency of multiple resistance to glyphosate and dicamba in kochia (<i>Bassia</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 | 0.9 | 19 |
| 44 | Effect of indaziflam on native species in natural areas and rangeland. <i>Invasive Plant Science and Management</i> , 2019, 12, 60-67. | 1.1 | 19 |
| 45 | Preemergence Control of Nine Invasive Weeds with Aminocyclopyrachlor, Aminopyralid, and Indaziflam. <i>Invasive Plant Science and Management</i> , 2017, 10, 99-109. | 1.1 | 17 |
| 46 | The Influence of Terbufos on Primisulfuron Absorption and Fate in Corn (<i>Zea mays</i>). <i>Weed Science</i> , 1993, 41, 664-668. | 1.5 | 16 |
| 47 | Absorption and fate of imazapyr in leafy spurge (<i>Euphorbia esula</i>). <i>Pest Management Science</i> , 1995, 45, 325-329. | 0.4 | 15 |
| 48 | Comparison of the Interactions of Aminopyralid vs. Clopyralid with Soil. <i>Weed Science</i> , 2010, 58, 473-477. | 1.5 | 15 |
| 49 | Imazamox Absorption, Translocation, and Metabolism in Red Lentil and Dry Bean. <i>Weed Science</i> , 2012, 60, 350-354. | 1.5 | 15 |
| 50 | Comparison of Restriction Fragment Length Polymorphisms in Chloroplast DNA of Five Leafy Spurge (<i>Euphorbia</i> spp.) Accessions. <i>Weed Science</i> , 1992, 40, 63-67. | 1.5 | 14 |
| 51 | Influence of Shade and Irrigation on the Response of Corn (<i>Zea mays</i>), Soybean (<i>Glycine max</i>), and Wheat (<i>Triticum aestivum</i>) to Carfentrazone-ethyl. <i>Weed Technology</i> , 2002, 16, 314-318. | 0.9 | 14 |
| 52 | <i>Euphorbia esula</i> L. Root and Root Bud Indole-3-Acetic Acid Levels at Three Phenologic Stages. <i>Plant Physiology</i> , 1987, 84, 287-290. | 4.8 | 13 |
| 53 | Impacts of Imazapyr and Triclopyr Soil Residues on the Growth of Several Restoration Species. <i>Rangeland Ecology and Management</i> , 2016, 69, 199-205. | 2.3 | 13 |
| 54 | The influence of winter annual grass litter on herbicide availability. <i>Weed Science</i> , 2019, 67, 702-709. | 1.5 | 12 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Leafy Spurge (<i>Euphorbia esula</i>) Control with Fall-Applied Imazapyr, Imazaquin, and Imazethapyr. <i>Weed Technology</i> , 1994, 8, 58-63. | 0.9 | 11 |
| 56 | Imazethapyr Absorption and Fate in Leafy Spurge (<i>Euphorbia esula</i>). <i>Weed Science</i> , 1994, 42, 158-162. | 1.5 | 11 |
| 57 | Ethylene effect on kochia (<i>Kochia scoparia</i>) and emission following dicamba application. <i>Weed Science</i> , 2006, 54, 31-37. | 1.5 | 11 |
| 58 | Evaluating winter annual grass control and native species establishment following applications of indaziflam on rangeland. <i>Invasive Plant Science and Management</i> , 2020, 13, 199-209. | 1.1 | 11 |
| 59 | Absorption, fate, and soil activity of quinclorac in field bindweed (<i>Convolvulus arvensis</i>). <i>Weed Science</i> , 1999, 47, 136-142. | 1.5 | 10 |
| 60 | Leafy Spurge (<i>Euphorbia esula</i>) Control with Imidazolinone and Sulfonylurea Herbicides. <i>Weed Technology</i> , 1994, 8, 494-498. | 0.9 | 9 |
| 61 | Influence of Crop Safeners on the Interaction of Primisulfuron and Terbufos in Corn (<i>Zea mays</i>). <i>Weed Science</i> , 1994, 42, 168-171. | 1.5 | 9 |
| 62 | AC 263,222 absorption and fate in leafy spurge (<i>Euphorbia esula</i>). <i>Weed Science</i> , 1998, 46, 510-513. | 1.5 | 9 |
| 63 | First-Year Responses of Cheatgrass Following <i>Tamarix</i> spp. Control and Restoration-Related Disturbances. <i>Restoration Ecology</i> , 2008, 16, 129-135. | 2.9 | 9 |
| 64 | Litter Reduction by Prescribed Burning Can Extend Downy Brome Control. <i>Rangeland Ecology and Management</i> , 2015, 68, 367-374. | 2.3 | 9 |
| 65 | Predicting herbicide movement across semi-permeable membranes using three phase partitioning. <i>Pesticide Biochemistry and Physiology</i> , 2019, 159, 22-26. | 3.6 | 8 |
| 66 | Use of Quinclorac Plus 2,4-D for Controlling Field Bindweed (<i>Convolvulus arvensis</i>) in Fallow. <i>Weed Technology</i> , 1999, 13, 731-736. | 0.9 | 7 |
| 67 | Absorption and fate of BAY MKH 6561 in jointed goatgrass and downy brome. <i>Weed Science</i> , 2001, 49, 717-722. | 1.5 | 7 |
| 68 | Recovery of Imidazolinone-Resistant Hard Red Wheat Lines Following Imazamox Application. <i>Crop Science</i> , 2007, 47, 2058-2066. | 1.8 | 5 |
| 69 | MCPA Synergizes Imazamox Control of Feral Rye (<i>Secale cereale</i>). <i>Weed Technology</i> , 2011, 25, 303-309. | 0.9 | 5 |
| 70 | Efficacy and environmental fate of imazapyr from directed helicopter applications targeting <i>Tamarix</i> species infestations in Colorado. <i>Pest Management Science</i> , 2016, 72, 379-387. | 3.4 | 5 |
| 71 | Prescribed burning followed by indaziflam enhances downy brome (<i>Bromus tectorum</i>) control. <i>Invasive Plant Science and Management</i> , 2022, 15, 72-80. | 1.1 | 5 |
| 72 | Proso Millet (<i>Panicum miliaceum</i>) Response to CGA-152005, Metsulfuron, and Triasulfuron. <i>Weed Technology</i> , 1997, 11, 138-143. | 0.9 | 4 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Halosulfuron Absorption, Translocation, and Metabolism in White and Adzuki Bean. <i>Weed Science</i> , 2016, 64, 705-711. | 1.5 | 4 |
| 74 | Endothall behavior in <i>Myriophyllum spicatum</i> and <i>Hydrilla verticillata</i> . <i>Pest Management Science</i> , 2019, 75, 2942-2947. | 3.4 | 4 |
| 75 | Microsatellite isolation from the gall midge <i>Spurgia capitigena</i> (Diptera: Cecidomyiidae), a biological control agent of leafy spurge. <i>Molecular Ecology Notes</i> , 2004, 4, 605-607. | 1.7 | 3 |
| 76 | Simulated trampling by cattle negatively impacts invasive yellow-flag iris (<i>Iris pseudacorus</i>) when submerged. <i>Invasive Plant Science and Management</i> , 2021, 14, 232-239. | 1.1 | 2 |
| 77 | Triclopyr Absorption and Translocation by Eurasian Watermilfoil (<i>Myriophyllum spicatum</i>) Following Liquid and Granular Applications. <i>Weed Science</i> , 2014, 62, 22-28. | 1.5 | 1 |
| 78 | 2,4-DE and 2,4-DE butoxyethyl ester behavior in Eurasian and hybrid watermilfoil (<i>Myriophyllum</i> spp.). <i>Pest Management Science</i> , 2022, 78, 626-632. | 3.4 | 1 |
| 79 | Mechanisms of glyphosate-resistance in common ragweed (<i>Ambrosia artemisiifolia</i>): patterns of absorption, translocation, and metabolism. <i>Weed Science</i> , 0, , 1-27. | 1.5 | 1 |
| 80 | Total vegetation control: a comprehensive summary of herbicides, application timings, and resistance management options. <i>Weed Technology</i> , 2020, 34, 155-163. | 0.9 | 0 |