

# Wednesday Poster Session 7:30–9:30 PM La Perouse - Explorers Hall

\* indicates student presenters eligible for AOS presentation award

1.01 **\*Terrones Ramírez AK, Hernández Baños BE**  
Genetic Variation On Populations of *Diglossa Baritula*  
(Aves: Thraupidae)

1.02 **Campbell KK, Winker KS**  
Additional Evidence Suggests Elevating Numerous  
Philippine Bird Subspecies To Species Status

1.03 **Gillette SL, Withrow JJ, Glenn TC, Faircloth BC, Winker KS**  
Genomic Data Suggest East Asian Mew Gulls and  
North American Mew Gulls Belong To Separate  
Biological Species

1.04 **Halley MR**  
Graceanna Lewis (1821–1912) and the First  
Phylogenetic Tree of Birds

1.05 **Chesser RT, James HF, Bretagnolle V, Estandia A, Levy MA, Welch AJ**  
Toward a Complete Phylogeny of the Procellariiformes

1.06 **Sprengelmeyer QD, Gurung A, DaCosta JC, Sorenson MD, Lindsay AR**  
Phylogenetic Relationships of Loon Species Based On  
DdRAD-Seq Data

1.07 **Meeks GW, Anderson CM, Bell DA, Dixon A, Maechtle T, Nakajima K, Kumazawa Y, Novak BJ, Talbot S, White C, Zhan X, Johnson JA**  
Peregrine Falcon Subspecies Phylogenomics Using  
Whole-Genome Re-Sequencing

1.08 **Mosack DA, Maley JM, Tsai WL, McCormack JE**  
Genomic and Phenotypic Variation in Russet  
Nightingale-Thrushes

1.09 **Sonsthagen SA, Wilson RE, Cornman RS, Talbot SL**  
Adaptation To the Arctic: Community Genomics of  
Alaskan Galliforms

1.10 **Pajot LM, Handel CM, Sonsthagen SA, Van Hemert C**  
Is Geographical Prevalence of Beak Deformities  
Related To Patterns of Genetic Diversity in  
Northwestern Crows in Alaska?

1.11 **Wadleigh RL, Ribas CC, Knowles LL**  
Evaluating the Effectiveness of Dispersal Barriers in  
the Negro River Basin for White Sand Associated  
Passerines

1.12 **\*Rego MA, Del-Rio GC, Brumfield RT**  
The Role of Geographical Barriers in Shaping  
Amazonian Bird Distributions

1.13 **Musher LJ, Ferreira M, Auerbach AL, McKay J, Cracraft J**  
Why Is Amazonia a 'source' of Biodiversity?  
Climate-Mediated Dispersal and Synchronous  
Speciation Across the Andes in an Avian Group  
(Tityrinae)

1.14 **Lepczyk CA, Klingbeil BT, La Sorte FA, Fink D, Flather CH**  
Geographic Associations With Anthropogenic Noise  
Pollution for North American Breeding Birds

1.15 **\*Mayette-Draper EM, Ralston J**  
The Role of Climate Change in the Northward Range  
Expansion of Red-Bellied Woodpecker (*Melanerpes  
Carolinus*)

1.16 **\*Ramírez-Barrera SM, Velasco JA, Orozco-Téllez TM, Vázquez-L'opez AM, Hernández-Baños BE**  
What Drives Genetic and Phenotypic Divergence in  
the Red-Crowned Ant-Tanager (*Habia Rubica*, Aves:  
Cardinalidae)

1.17 **Zhao M, Chang Y, Kimball RT, Zhao J, Lei F, Qu Y**  
Pleistocene Glaciation Explains the Disjunct  
Distribution of the Chestnut-Vented Nuthatch (Aves,  
Sittidae)

1.18 **Morrison ES, Badyaev AV**  
Is Ecological Specialization Reflected in Metabolic  
Network Complexity? a Test With 250 Bird Species

1.19 **Spaulding FR, McLaughlin JF, McCracken KG, Glenn TC, Faircloth BC, Winker KS**  
Population Genomics Infer Different Modes of  
Speciation With Gene Flow in the Green-Winged Teal  
Complex

1.20 **Takano OM, Steadman DW**  
Raptor Evolution in North America Since the  
Pleistocene

1.21 **Wait DR, Cicero C, Malik A, Bowie RC**  
Geographic Variation and Speciation in *Pipilo  
Maculatus*

**1.22 Weeks BC, Winger BM**

The Relationship Between Morphological Change Across Ecological and Macroevolutionary Timescales in Migratory Birds

**1.23 Winker KS**

Heteropatric Speciation in Birds

**1.24 Corbin CE**

Comparative Morphospace Filling in Three Passerine Flycatcher Clades

**1.25 Fernando SW, De Silva TN, McCormack J, Peterson AT**

Climatic Niche Reconstructions Give New Insights To the Evolution of the New World Jays

**1.26 Muñoz P, Sandoval L**

Social Mimicry Hypotheses in Mixed-Species Bird Flocks Tested in Costa Ricas Highland Bird Community

**1.27 Shahrokhi GG, Patten M**

Evolution and Taxonomy Study of Herons in East Africa

**1.28 Mack AL, Jones J**

Exploration of the Structure and Function of the Casque in Cassowaries

**1.29 Nakao T, Ogihara N, Yamasaki T, Shimada M**

Okinawa Rail Has Relatively Larger Wulst in the Brain: Relationship Between Anvil-using Behavior and Brain Morphology

**1.30 Ghimire AA, Vangorder-Braid JT, Sirman AE, Young RC, Westneat D, Heidinger BJ**

Body Size and Telomere Dynamics in House Sparrows

**1.31 Heidinger BJ, Young RC, Kucera AC, Kittilson JD, Westneat DF**

The Long and Short of It: Are Telomeres Related To Lifetime Reproductive Success in Free-Living House Sparrows?

**1.32 \*Kane MS, Rowley M, Yancy B, Antalffy J, Omland K**

Predation of the Bahama Oriole (*Icterus Northropi*) By Rats (*Rattus Rattus*) On Andros

**1.33 Harrod WD, Mumme RL**

Effect of Male Desertion On Provisioning, Growth, and Survival of Hooded Warbler Nestlings

**1.34 Ridlon AM, Woodman CJ**

Technology and Student Outcomes When Integrating Undergraduate Researchers in Egg Logger Development

**1.35 Taylor LU, Mauck RA**

Coordination, Conflict, and Neglect in Biparental Storm-Petrel Incubation

**1.36 \*Conroy E, Nemeth N, Ralston J**

Extra-Pair Parentage in Field Sparrows (*Spizella Pusilla*)

**1.37 \*Reel JJ, Underwood TJ**

Behavioral Responses of an Eastern Population of Red-Winged Blackbirds To Experimental Brown-Headed Cowbird Parasitism

**1.38 Young RC, Sirman A, Vangorder-Braid J, Kittilson J, Ghimire A, Westneat DF, Heidinger BJ**

Intergenerational Stress in Parents and Nestling and Telomere Lengths in House Sparrows

**1.39 \*Scribner SE, Neudorf DL**

The Effects of Urbanization On Alarm Call Variation of Carolina Wrens (*Thryothorus Ludovicianus*) and Heterospecific Response

**1.40 Heuermann TM, Curry RL**

Inter- And Intra-Specific Variance in Boldness Behavior of Hybridizing Black-Capped and Carolina Chickadees

**1.41 Blanche AJ, Chenard KC, Duckworth RA**

Social Context Influences the Expression of Aggression in Zebra Finches

**1.42 Chenard KC, Duckworth RA**

Structural Perspectives On the Evolution of Personality

**1.43 Finlayson DK, Larsen RT, Knight RN, Phillips SE, Slater SJ**

Golden Eagle Use of Water Features in the West Desert of Utah

**1.44 Smith DJ, Bates M, Sokol L, Kotalu T, Ewing EV, Grooms J, Espino A, Espino A, Kreizel KN, Heinisch S, Grandgenett N, Gillespie LM**

'Smart' Nest Boxes: Expediently and Remotely Collecting Avian Data Utilizing Unique Advantages Within Community Colleges

**1.45 Ewing EV, Kreizel KN, Espino A, Grooms J, Hurley A, Gillespie LM**

Habitat Features and Similarity in Nest Defense Behavior in Mated Pairs of Eastern Bluebirds

**1.46 Oropesa LO, Ewing EV, Gonzalez L, Kreizel KN, Espino A, Gillespie LM**

Possible Hybrid Barn X Cliff Swallows and How Colonial Vs Solitary Nesting Behavior May Be Related To Plumage Anomalies

**1.47 \*Mady RP, Bonter DN**

The Effect of Supplemental Food Availability On Avian Space Use

- 1.48 **Varra DM, Redmond LJ, Eroh CS, Haq JI**  
The Effect of Predator Threat To Adults On Variation in Gray Catbird Nest Defense
- 1.49 **Reed AN, McRae SB**  
Settling Differences: Factors Affecting Nest Size Variation in the Eastern Bluebird
- 1.50 **Shah SS, Rubenstein DR**  
Sex-Based Difference in Direct Benefits Gained By Immigrants in a Cooperative Breeding Bird With Low Group Relatedness
- 1.51 **Trombley ML, Brazell KA, Lindsay AR**  
Avian Feeding Behavior in Response To Alpha-Pinene Olfactory Cues
- 1.52 **\*Zusi LM, Kloepper L**  
The Behavior of Swainson's Hawks (*Buteo Swainsoni*) During Predation of Brazilian Free-Tailed Bats (*Tadarida brasiliensis*) in Flight
- 1.53 **Conkin JA, Bidwell MT**  
Space Use By Breeding and Non-Breeding Whooping Cranes During the Breeding Season
- 1.54 **\*Skalos SM, Hull JM, Casazza ML**  
Migration, Home Range, and Dispersal of Adult and Juvenile Northern Harriers (*Circus hudsonius*) in Suisun Marsh, California
- 1.55 **Pruitt ML, Smith KG**  
Winter Occurrence and Roosting Behavior of Northern Saw-Whet Owl in Northwestern Arkansas (USA)
- 1.56 **Vickers SH, Franco AM, Michel NL**  
Dispersal On the Non-Breeding Grounds: a Neglected Process At the Heart of Range Dynamics in Migratory Birds
- 1.57 **\*Guggenheimer AA, Grace JK**  
Correlating Body Condition and Habitat Management of Wintering Duck Populations in Texas Wetlands
- 1.58 **Schabert VT, Roberts KA, Contina A, Covino KM**  
What Can a Feather Tell Us? a Study of Hydrogen Isotopes and the Migratory Patterns of Common Yellowthroats (*Geothlypis trichas*)
- 1.59 **\*de Zwaan DR, Wilson S, Gow EA, Martin K**  
Sex-Specific Variation and Flexibility in Migration Behavior for Alpine Horned Larks
- 1.60 **Fish AC, Blomberg EJ, Roth AM**  
Migratory Ecology of American Woodcock (*Scolopax minor*) in Eastern North America
- 1.61 **\*Larson LM, Ralston J**  
Determining the Variation of Clock Allele Lengths Across Eleven Migratory and Resident Species
- 1.62 **Pagano SS, Cavanaugh N, Hudson AO, Border M**  
Exploring the Physiological Condition of Migratory Songbirds Near Lake Ontario: New Insights From the Gut Microbiota
- 1.63 **Smith RJ, Hatch MI**  
Temperature and Precipitation Experienced Prior To Capture in Northeastern Pennsylvania Is Associated With Timing and Body Condition of Gray Catbirds and Common Yellowthroats During Fall Migration
- 1.64 **\*Stoner DJ, Underwood T**  
Tree Foraging Preferences of Warblers During Fall Migration Along the Sacony Creek Trail
- 1.65 **Watson JL, Paprocki N, Oleyar D, Booms T**  
Spring 2016-2018 Migration Counts At North America's Northernmost Raptor Migration Site: Gunsight Mountain, Alaska
- 1.66 **West AC, Swanson DL**  
Stopover Biology of Grassland Birds At a Restored Tallgrass Prairie
- 1.67 **Schuetz JG, Auer T**  
Visualizing Bird Distributions Across the Annual Cycle: New Opportunities and Strategies
- 1.68 **Skinner AA, Wright J, Matthews SN, Tonra CM**  
Using GPS-Tracking To Fill Knowledge Gaps in the Full Annual Cycle of an Elusive Aerial Insectivore in Steep Decline
- 1.69 **\*Carpenter AM, Spellman GM, Klicka J, Burg TM**  
Molecular Differences of Warbling Vireos (*Vireo gilvus*) Across a Contact Zone
- 1.70 **Crawford CS, Eichholz MW**  
The Influence of Habitat Characteristics On Northern Bobwhite Population and Spatial Ecology in Southern Illinois
- 1.71 **\*Rosenblatt CJ, Gates RJ, Matthews SN**  
Modeling Population Dynamics of the Northern Bobwhite (*Colinus virginianus*) in Ohio
- 1.72 **Harms TM, Dinsmore SJ, Jones III OE**  
Estimating Age- And Sex-Specific Annual Survival of Wood Ducks (*Aix sponsa*) in Iowa
- 1.73 **\*Oliver Brown CC, Carter BE**  
Testing for Population-Level Morphological Variation in Museum Collections of Clark's Nutcrackers

1.74 **Weiser EL, Thogmartin WE, Will TC**  
Demographic Models To Support the Endangered  
Species Act Listing Decision for Golden-Winged  
Warblers

1.75 **\*Bumelis KH, Cadman MD, Mitchell GW,  
Hobson KA**  
Niche Segregation Among Three Sympatric Species of  
Swallows in Southern Ontario

1.76 **Johnson TN, DeBano S, Young A, Kennedy PL**  
Grazing-Induced Trophic Relationships and  
Implications for Grassland Songbirds

1.77 **Rowley MG, Eldredge C, Dula M, Curry RL**  
Impact of Irruptive Black-Capped Chickadees On  
Social Structure of Resident Carolina Chickadees

1.78 **Bauernfeind SM, Wiley DL, Williamson JL,  
Fischer SE, Streby HM, Witt CC, Barrow LN**  
Haemosporidians in Vireos: Insights On Coevolution  
From a Comparison of Elevational-Replacement  
Species

1.79 **McArthur JW, Collins MD**  
Prevalence and Diversity of Avian Malaria Parasites in  
a Raptor Community

1.80 **Gerik DE, Van Hemert C, Zylberberg M,  
Handel CM, DeRisi JL**  
Investigating Poxvirus As a Cause of Global Beak  
Deformities

1.81 **\*Gutierrez-Ramos NA, Acevedo MA**  
Consequences of Infection By Avian Malaria Parasites  
in the Urban Forests of Puerto Rico

1.82 **Krajcir KJ, Matthews AE, Worm AJ, Boves TJ**  
What Factors Are Related To Feather Mite Abundance  
Within, and Among, Species of Parulid Warblers?

1.83 **\*Maywald SL, Corbin CE, Williams LM,  
Hrantiz JM, Henry KW**  
Potential Environmental Predictors, Blood Meal  
Analysis, and Larvae Presence of an Important West  
Nile Virus Vector (*Culex Restuans*) in Ruffed Grouse  
Habitat

1.84 **Pacheco MA, Cepeda AS, Bernotien R, Matta  
NE, Valkinas G, Escalante AA**  
New Primers for PCR Detection and Differential DNA  
Amplification of Avian Haemosporidian Parasites  
Belonging To Different Genera

1.85 **\*Paget CJ, Sharp JS, Lindsay AR**  
Rapid Detection of Avian Blood Parasites and West  
Nile Virus in the Common Loon Utilizing  
Loop-Mediated Isothermal Amplification

1.86 **\*Tobin EJ, Duke-Sylvester SM**  
Demography and Infectious Disease Ecology of a  
Resident Passerine in Southern Louisiana

1.87 **Martinez V, Grace JK**  
Living On Edge: Interactions Between Stress  
Hormones and Blood Parasites in Birds Along  
Elevation Gradients

1.88 **Siller SJ**  
Methylation in the GR Promoter in the Brain and  
Blood of the European Starling

1.89 **Kellam JS**  
Woodpeckers Frequently Use Forest Habitat Damaged  
By Tornado for Foraging, but Not Nesting

# Thursday Poster Session 7:30–9:30 PM La Perouse - Explorers Hall

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**2.01 Borgmann KL, Miller E**

The Macaulay Library: An Increasingly Powerful Resource for Research

**2.02 Brewer DE, Alcantara SG, Fudickar AM**

An Urban-Rural Comparison of Song Repertoire Size and Song Characteristics of Song Sparrows

**2.03 \*Foli ES, Gill SA, Vohnhof MJ**

The Meaning of Song Structure: Exploring Behavioral Responses of Field Sparrows To Three Simple Song Types

**2.04 Gomez Murillo L, Kelly JP, Alfonso Cutá C, Pendred M, Tarwater C**

Role of Age and Competition in Territorial Aggression in a Tropical Understory Bird

**2.05 \*Sloof CM, Lovell SF, Lein MR**

Revisiting Cultural Evolution and Variation of Song in an Isolated Population of Mountain White-Crowned Sparrows

**2.06 \*Vitale NE, Brush J, Powell AN**

Factors Limiting Reproductive Success of American Oystercatchers (*Haematopus palliatus*) in Florida's Big Bend

**2.07 Gibbons RE, Deichmann P**

Consistent Fall Nesting of Neotropical Cormorants (*Phalacrocorax brasilianus*) in Coastal Texas

**2.08 Kreizel KN, Ewing EV, Gonzalez L, Espino A, Koch A, Gillespie LM**

Description of Possible Hybrid Barn X Cliff Swallows in East Central Nebraska Identified Via Anomalous Plumage Variation

**2.09 Gonnerman MB, Shea S, Kamath P, Sullivan K, Blomberg E**

Influences of Multi-Scale Habitat Quality and Female Behavior On Nest Success of Eastern Wild Turkeys

**2.10 Goodnow BE, Bulluck LP**

Regional Variation in the Relationship Between Breeding Phenology and the Onset of Spring

**2.11 Hoppe IR, Johnson AE**

Nest Survival in a Cooperatively-Breeding Bird: Do Helpers Mediate the Effects of Poor Environmental Conditions?

**2.12 Eroh CS, Redmond LJ, Varra DM**

The Use of Trail Cameras To Identify Nest Predators of a Population of Gray Catbirds

**2.13 Thompson EN, Redmond LJ, Noble D, Haq JI, Fleming M, Patel V**

Offspring Sex Ratio Bias in a Pennsylvania Population of Gray Catbirds

**2.14 Richardson RM, Matsuoka SM, Johnson JA, Romano MD, Taylor AR**

Decadal Comparisons of the Nesting Ecology of McKay's Buntings Breeding On St. Matthew Island, Alaska

**2.15 Spence AR, Socolar JB, Stillman AN, Tingley MW**

Population Response To Extreme Temperatures Across North American Bird Ranges

**2.16 \*Pokharel A, DeLong JP**

Prey Selection By Migratory Birds of Prey Using DNA Barcoding Technique

**2.17 Webb EA**

Florivory As an Opportunistic but Essential Foraging Strategy for Avian Specialists

**2.18 Wunderle Jr JM, Lebow PK, Rockwell SM, Powell A, Bearhop S, White JD, Currie D, Ewert DN, Marra PP**

Adaptive Fat Regulation in the Mixed Arthropod-Fruit Diet of a Neotropical-Nearctic Migrant On the Wintering Grounds

**2.19 Heckscher CM, Mendez D, Aispuro AA, Kneidel AH, Mancuso ML**

Miniature GPS Data Loggers Reveal Three Behavioral Strategies and Confirm the Habitat Use of Non-Migratory Veeries in South America

**2.20 \*Bennett BL, Burton ES, Driver RJ, Curry RL**  
Won't You Be My Neighbor? Distribution of Nesting Pairs Within a Hybrid-Zone Chickadee Population

**2.21 \*Genier CS, Mitchell GW, Falconer M, Branfireun BA, Hobson KA**

Dietary Costs and Benefits of Lakeshore Vs Aggregate Pit Breeding in Bank Swallows (*Riparia riparia*)

- 2.22 **Shustack DP, Wait HL, Gonzalez J**  
Slate-Colored Juncos (*Junco Hyemalis*) in Western Massachusetts
- 2.23 **Saracco JF, Siegel RB, Helton L, Stock SL, DeSante DF**  
Phenology and Productivity in a Montane Bird Assemblage: Trends and Responses To Elevation and Climate Variation
- 2.24 **Smith DJ, Roe AJ, Winnicki SK, Williams EJ, Hope AG, Boyle WA**  
Consequences of Severe Drought On Grassland Songbird Reproduction
- 2.25 **Weiser EL**  
Population-Level Effects of a Record-Setting Spring Snowstorm Are Related To Diet and Migratory Strategy
- 2.26 **\*Wynia AL, Rolland V, Jimenez JE**  
A Novel Device To Best Detect Key Woodpeckers: An Experiment With the Magellanic Woodpecker
- 2.27 **\*Anparasan L, Hobson KA**  
Tracing Nutrient Sources To Lipid Production in a Passerine Using Stable Isotope ( $^{13}\text{C}$ ,  $^2\text{H}$ ) Tracers
- 2.28 **Buck EJ, Buehler DA**  
Acoustic Monitoring of American Woodcock (*Scolopax Minor*) in Tennessee
- 2.29 **Howell RG, Larsen RT, Petersen SL, Jensen RR**  
Using High-Resolution SUAS Imagery To Create 3D Models of Greater Sage-Grouse Habitat
- 2.30 **\*Perera A, Machin K, Soos C**  
NMR-Based Metabolomics: a Novel Approach To Study Stress in Wild Birds
- 2.31 **Bergeron LM, Logan C**  
Modifications To the Bownet Trapping Method To Increase Safety and Efficiency for Medium-Sized, Agile Birds
- 2.32 **\*Diaz-Mendez SN**  
Using Species Distribution Modeling To Estimate the Distribution of the West Indian Whistling Duck (*Dendrocyna Arborea*) in Puerto Rico
- 2.33 **Garlinger RD, Curry RL**  
RFID Technology: Does Tagging Method Matter for Survivorship of Backyard Birds?
- 2.34 **\*Weyenberg GS, Howells LO, Rumpungworn MD, Paxton KL, Crampton LH, Hart PJ**  
A Software Tool for Producing Annotations of Prolonged Audio Recordings Using Machine Learning and Deep Neural Networks
- 2.35 **Steen VA, Tingley M, Elphick C, Paton P, Clarkson C**  
Comparing Approaches for Modeling Bird Distributions From Imbalanced and Spatially-Biased Data
- 2.36 **Ward DH, Stillman RA, River EM, Gilkerson W, Woods KA, Golicher JD, Nolet BA, Clausen P**  
Range Shifts, Environmental Change and Tipping Points: Predicting Impacts On Long-Distance Migratory Herbivores
- 2.37 **\*Lindquist MC, Buckland EL, Carpenter JP, Danner DM**  
Characterizing Movements of Saltmarsh and Seaside Sparrows On Wintering Grounds Using Radio Telemetry
- 2.38 **\*Clarke JR, Master TL**  
The Northern Waterthrush: Analyzing the Distribution and Abundance of a Secretive Songbird in Pennsylvania
- 2.39 **Dorn RP, McArthur JW, Boyle SA, Collins MD**  
Using GIS To Identify Sites for Installation of Barn Owl Nest Boxes
- 2.40 **Col'on-Cruz MC, Pérez-Cruz IJ, Schaffner FC**  
Post-Hurricane Assessment of Abundance and Diversity of Land Birds in Coastal Dry Forest At Jobos Bay
- 2.41 **Griffin KR**  
An Inventory of Katmai National Park's Seabird Colonies
- 2.42 **Heglund PJ, Newman J, Stanton J**  
Putting the Right Habitat, in the Right Places, At the Right Time: Integrated Waterbird Management and Monitoring
- 2.43 **\*Heintz EC, Tobin EJ, Duke-Sylvester SM**  
Sex-Specific Demography of a Monomorphic Passerine in Southern Louisiana
- 2.44 **Hendrickson BJ, Eichholz MW**  
Distribution, Abundance, and Habitat Selection of Breeding Mississippi Kites (*Ictinia Mississippiensis*) in Southern Illinois
- 2.45 **Winchell CS, Doherty Jr PF**  
Habitat Selection Parameters for the Coastal California Gnatcatcher: Finding the Sweet Spot
- 2.46 **Martinez J, Leberg P**  
The Effects of Louisiana's Shifting Coastline and Island Characteristics On Seabird Colony Presence

**2.47 McCloy MW, Glasscock S, Barboza P, Grace JK**

Autonomous Recording Units As a Tool for Understanding Resilience in Avian Communities

**2.48 \*Merayo García J, Ruvalcaba Ortega I, Wunder M, Gonzalez Rojas JI, Guzmán Velasco A**

Abundance and Occupancy of Mountain Plover in Northwestern México

**2.49 Morrison LW, Peitz DG**

Bird Surveys in Small Geographical Areas: Biases and Tradeoffs

**2.50 Roper VG, Green L**

Using Tree Swallows To Evaluate the Effectiveness of Artificial Wetlands To Support Aerial Insectivores

**2.51 Ruhl PJ, Kellner KE, Dunning Jr JB**

Variables Explaining Early-Successional Habitat Associations of Six Mature-Forest Bird Species During the Breeding Season

**2.52 Dzielski SA, Twining CW, Cleckner LB, Razavi NR**

The Risks and Benefits of an Emerging Aquatic Insect Diet: Methylmercury in Eastern Phoebe (Sayornis Phoebe) Chicks

**2.53 Garrison-Tovar PA, James J, Shepherd D, Bolus R**

Effects of Aviation Noise On Avian Communication Along a Noise Pollution Gradient

**2.54 \*Donahue ER, Bryant LC, Wessels JL, Youtz JA, Raibley R, Worm AJ, Krajcir KJ, Chabot AA, Hobson KA, Boves TJ**

Survival and Non-Breeding Habitat Selection of Loggerhead Shrikes in Agricultural Landscapes of Arkansas

**2.55 \*Milbern LC, Matthews SN**

Breeding Songbird Habitat Utilization in Urban Riparian Forests

**2.56 Ferguson SM, Barr JI, Bateman PW**

Predictability of the Predator, Not Habituation To Humans, Drives Silver Gull Flight Initiation Distance

**2.57 Neudorf DL, Barragan GA**

Nesting Success of Carolina Wrens in an Urban and a Rural Ecosystem

**2.58 Beilke SJ, Saunders SP, Rahlin A**

Marsh Bird Responses To Urbanization and Urban Wetland Habitat Availability At Multiple Spatial Scales

**2.59 Taylor SS, Jirinec V, Williams ST, Bresnan AM, Rodrigues PF, Perez Umphrey AA, Rutt CL, Long A, Stouffer PC**

Barred Owl Habitat Use Across an Urban Gradient

**2.60 Harwood CM, Gates HR, Johnson JA, Lanctot RB, Ruthrauff DR**

Alaska Shorebird Conservation Plan, Version III

**2.61 Schaefer RR, Rudolph DC, Williamson JH, Pierce JB, Shackelford CE**

Habitat Characteristics of Henslow's Sparrow and LeConte's Sparrow Flush Points in a Small Blackland Prairie in Southeastern Texas

**2.62 \*Gura KB, Bedrosian B, Patla S, Chalfoun AD**

Great Gray Owl Home Range and Habitat Selection During the Breeding Season

**2.63 \*Hegg A, Dixon M, Swanson DL**

Invasive Plants and Bird Nesting Success in Missouri River Riparian Forests

**2.64 Roach MC, Thompson FR**

Relationships Between Eastern Whip-Poor-will and Chuck-Will's-Widow Abundance and Landscape Composition and Management

**2.65 Vanausdall RA, Dinsmore SJ**

Habitat Associations of Migrant Waterbirds Using Restored Shallow Lakes in Iowa

**2.66 \*Schunck F**

The Shorebirds May Disappear From Around the Largest City in South America

**2.67 Schunck F, Silveira LF, Nascimento VS**

A New Priority Area for Endemic and Threatened Birds in the Atlantic Forest of Southeastern Brazil

**2.68 Schunck F**

Shorebirds Use the Surroundings of the Largest Urban Area of South America

**2.69 Schunck F**

The People of the Largest City in South America Are Unaware of Their Shorebirds

**2.70 Fantle-Lepczyk JE, Duffy D, Crampton L, Taylor A, Conant S**

An Analysis of Translocation Regimes for the Endangered Puaiohi

**2.71 \*DeJong LN, Proppe D**

Multispecies Song Playback Attracts Songbirds To Hardwood Forest Habitats Near and Far From Roads

**2.72 Gulson-Castillo ER, Winarni NL**

Hornbill Conservation in Sulawesi, Indonesia

**2.73 Fischer PC, Brown J, Bush K, Lorenz T**  
Engaging Incarcerated People in Avian Research and Conservation: The Sustainability in Prisons Project (SPP)

**2.74 Pidgeon AM, Politi N, Martinez-Pastur G, Rivera L, Lizarraga L, Martinuzzi S, Radeloff VC**  
Incorporating Critical Bird Habitat and Climate Resilience in Argentina's Forest Use Plans

**2.75 Ramírez Alán OA, Colino Rabanal V, Segura Sequeira D, Retamosa Izaguirre M**  
Detection of Rain and Insects in Automatic Passive Recordings Using Random Forest Tree Classification

**2.76 Woodman CJ, Brightsmith DJ**  
Private-Public Partnerships for Intensive Management Skill Building

**2.77 Yancy BM, McKoy CN, Antalffy JM, Omland KE**  
Nest Site Characteristics of the Bahama Oriole: Habitat Requirements for a Critically Endangered Species

**2.78 Glass AJ, Eichholz MW**  
Grassland Community Responses To Habitat Structure and Management Actions

**2.79 Kosciuch KL, Howlin S, LeBeau C**  
A Meta-Analysis of Effects of Wind Energy Development On Grouse Survival and Behavior

**2.80 Nefas SM, Dixon M, Swanson DL**  
Early Cottonwood-Willow Successional Forest Avian Diversity: What Do We Lose By Managing Sandbars for Plovers and Terns?

**2.81 Pagano SS, Ross AD, Pagano T**  
Integrating Biology and Chemistry in an Outdoor Ornithology Learning Environment

**2.82 Withrow JJ, Winker KS**  
Capitalizing On a Mass Mortality Event: Archiving Seabird Genetic Samples, Skins, and Skeletons From the M/v Selendang Ayu Oil Spill

**2.83 Daigler LH, Grande F, Hanson S, Parol A, Campbell-Smith J**  
Birds Across Borders: Building an International Community of Ornithology

**2.84 Johnson AE, Welklin J**  
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