

MOULT AND AGEING OF EUROPEAN PASSERINES

SECOND EDITION

Lukas Jenni &
Raffaël Winkler

with 1000 illustrations and 100 tables

Moult And Ageing Of European Passerines Raffael Winkler

Jessica J Manson



Moult And Ageing Of European Passerines Raffael Winkler:

Moult and Ageing of European Passerines Lukas Jenni, Raffael Winkler, 2020-02-20 THE BTO BRITISH BIRDS BOOK OF THE YEAR 2020 A brand new completely revised second edition of Jenni and Winkler's classic guide updated and improved for the next generation of ringers and professional ornithologists The moult strategies of birds exert an important influence on their behaviour and energetics and also provide the basis of valuable tools for study A proper understanding of how feathers are replaced and the precise differences in the appearance of the various feather generations can allow ringers scientists and keen birdwatchers to age individual birds and to distinguish between first year and adult birds Understanding the moult strategy of a species also provides insights into its general and migration ecology and allows detailed studies of many aspects of its population dynamics Lukas Jenni and Raffael Winkler have studied moult across a wide range of bird species for decades and in this book bring their observations together to produce a valuable reference for both professional ornithologists and bird ringers This second edition has been completely updated and revised with 16 new species accounts added bringing the total covered to 74 The first part of the book provides an up to date summary of the moult strategies and moult sequences of European passerines and discusses the ecological consequences of moult Throughout the book the authors draw on the enormous amount of data on moult that they have collected over 40 years of study and which combined with data from the literature allow them to present a thorough synthesis of the subject The second part is of particular value to ringers Following a general introduction to ageing detailed moult profiles are given for 74 European passerine species illustrating all of the major moult strategies and including useful summary statistics schematic diagrams of the extent of moult and indications of the variation within each species The main moult strategies are illustrated with schematic graphs and the moult strategies and extent of moult of every European passerine species are summarised in tabular form The crowning feature of this book is its collection of more than 600 full colour photographs of extended wings which show the entire range of moult patterns and plumage ageing criteria An appendix gives supplementary information on ageing birds by the degree of pneumatization of the skull Large in format packed with high quality photography and lavish in production specifications this second edition of **Moult and Ageing in European Passerines** is both a major reference for ornithologists zoologists bird ringers and dedicated birdwatchers and a work of great scholarship and beauty

Moult and Ageing of European Passerines Lukas Jenni, Raffael Winkler, 1994 The moult strategies of birds are not only of importance in their impact on a species ecology and energetics but as a valuable tool for anyone studying the migration and population dynamics of bird species A proper understanding of how feathers are replaced and the precise differences in appearance of the various feather generations can allow ringers scientists and the keen birdwatcher to age first year and adult birds and to detect the moult strategy of the bird in question Lukas Jenni and Raffael Winkler have combined these themes and produced a book which will be valuable both to the professional ornithologist and the bird ringer The first part gives an up to date summary of

the moult strategies and moult sequences of European passerines and discusses the ecological consequences of moult. Throughout the book the authors draw on the enormous amount of data on moult collected by them over 15 years of study which combined with data from the literature allow them to present a new synthesis of the subject. The second part of the book is of particular value to ringers. Following a general introduction to ageing detailed moult profiles are given for 58 species of European passerines representing all the major moult strategies backed up with useful summary statistics, schematic diagrams of the extent of moult and indications of the variation within each species. For the first time the extent of partial and suspended moults is presented in detail. The crowing feature of this book is the 480 plus full colour photographs of extended wings which show the entire range of moult patterns and of plumage ageing criteria. An appendix gives supplementary information on ageing birds by the degree of pneumatization of the skull. This book is both a major reference for ornithologists, zoologists, bird ringers and dedicated birdwatchers and a work of great scholarship and beauty.

Molt in North American Birds Steve N. G. Howell, 2010. A comprehensive examination of the molt processes, feather growth of different species of birds, one of the most important and fundamental processes in the life history of any bird.

The Biology of Molt in Birds Lukas Jenni, Raffael Winkler, 2020-09-17. The first comprehensive review of all aspects of the biology of moult, drawing information from across the literature and in all birds from penguins to passerines. Feathers are amazing structures, unique to birds and for a variety of reasons they need to be renewed periodically as a whole in a process called moult. During this process all of the functions of plumage are impaired and most aspects of a bird's life are affected. Every moult determines a bird's appearance anew and restores plumage efficacy for flight and insulation. Moult profoundly affects physiology and the organization of the annual cycle and it constrains reproduction and migration. Given these major impacts which are equal to the other annual challenges of reproduction and migration, it is surprising that research on moult has largely been so neglected.

a subject. Lukas Jenni and Raffael Winkler have brought together the widely scattered results of studies on the processes and consequences of moult in birds. This book opens with an overview of the functions of plumage and of feather maintenance and feather wear and then introduces the two functions of moult: replacement of worn feathers and adjustment of plumage characteristics and appearance. The body of the book then examines feather growth and the physiology, energetics and control of moult and how various other physiological processes interact with moult and may compensate for its costs. Significantly, the authors explain how variations in moult and feather quality affect a bird's overall plumage quality and they highlight the resulting consequences in terms of physical performance, appearance and signalling. Finally, there is a review of all the various solutions that birds have developed to fit moult into the annual cycle. This long-awaited book covers for the first time all aspects of the biology of moult and fills an important gap in the literature, completing our understanding of how the most important annual events in a bird's life fit together into a coherent whole. It draws on a wide range of information from penguins to small passerines, from raptors to wildfowl, to highlight the variety of

the subject and to pinpoint the many gaps in our knowledge along with avenues for fruitful further research

Urban Peregrines Ed Drewitt, 2014-06-16 The Peregrine the fastest bird in the world has made a remarkable recovery over the past 30 years As the species re establishes itself around the world it is becoming a familiar sight in towns and cities This beautifully illustrated book is the first in depth focus on the lives of Peregrines in towns and cities In words and stunning photographs Ed Drewitt reveals the latest information on Peregrine behaviour including how they are adapting to and taking advantage of the urban environment The book is also a how to guide with information on finding peregrines studying their diet ringing individuals for research putting up nest boxes and enabling people to learn more about them through public viewing points or web cameras Ed also discusses what makes a Peregrine urban their contemporary relationship with people and helps dispel some myths and reveal some truths about this agile predator

Wildfowl & Wetlands ,1992 *Birding World* ,1999 Dutch birding ,1999 *Ornis Fennica* Einari Merikallio,1994 Includes section Litteratur

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British Birds ,1994 Subject Guide to Books in Print ,1997 *The Biology of Moulting in Birds* Lukas Jenni,Raffael Winkler,2020-09-22 The first comprehensive review of all aspects of the biology of moulting drawing information from across the literature and in all birds from penguins to passerines Feathers are amazing structures All birds need to renew their feathers periodically in a process called moulting Because feathers can only be renewed as a whole all functions of the plumage are impaired during moulting and so this process has a crucial impact on most aspects of a bird s life Therefore the period of moulting is one of the most important recurring annual events in the life of a bird together with reproduction and for many migration Given the major impacts of this process on birds moulting remains a sorely neglected field of ornithological research This book written by the internationally renowned ornithologists Lukas Jenni and Raffael Winkler seeks to redress this Early chapters provide an overview of the functions of plumage Later it moves on to subjects such as plumage maintenance and feather wear the two main functions of moulting feather growth the physiology energetics and control of moulting and how moulting affects plumage quality structural quality and coloration and the consequences of this for the bird The book concludes with a review of the various solutions developed by birds to fit moulting into their annual cycle Complementary to the magnificent *Moulting and Ageing in European Passerines* by the same authors and packed with color photography throughout *The Biology of Moulting in Birds* is the first comprehensive review of all aspects of the biology of moulting drawing information from across the literature and in all birds from penguins to passerines

Vår fuglefauna ,1993

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