

China Perspectives

ATTRACTION OF KNOWLEDGE CELEBRITIES

HOW THEY MOTIVATE USERS TO PAY FOR KNOWLEDGE

Xiaoyu Chen



Attraction of Knowledge Celebrities

This book examines the phenomenon of knowledge celebrities, an emerging group of social media influencers who produce and sell knowledge products online. Its primary goal is to investigate the reasons and strategies behind their ability to attract users and persuade them to purchase knowledge products on digital platforms.

With the increasing demand for high-quality content from online users, various platforms have emerged as pay-for-knowledge platforms, allowing knowledge celebrities to monetize their expertise. This book draws on theoretical frameworks from information science, communication and management to provide insights into this phenomenon and to examine the practices and individuals involved. Building on existing scholarship and analyzing case studies in China, this book presents the background, basic concepts and understanding of knowledge celebrities. It then explores the three key factors that contribute to the attractiveness of knowledge celebrities, as well as the motivations and mechanisms behind pay-for-knowledge practices. Finally, the book offers a glimpse into the future landscape of knowledge celebrities and pay-for-knowledge platforms.

The book will be valuable to scholars, students and practitioners in information, communication and media studies. In particular, it will appeal to those interested in topics such as knowledge celebrities, the creator economy and knowledge management.

Xiaoyu Chen is Assistant Professor of Information Resources Management at Shanghai University, China. His research interests include "3U" —user information behavior, user cyberpsychology and user-generated content, particularly in the context of digital technologies.

China Perspectives

The *China Perspectives* series focuses on translating and publishing works by leading Chinese scholars, writing about both global topics and China-related themes. It covers Humanities & Social Sciences, Education, Media and Psychology, as well as many interdisciplinary themes.

This is the first time any of these books have been published in English for international readers. The series aims to put forward a Chinese perspective, give insights into cutting-edge academic thinking in China, and inspire researchers globally.

To submit proposals, please contact the Taylor & Francis Publisher for the China Publishing Programme, Lian Sun (Lian.Sun@informa.com)

Titles in media communication currently include:

Visual Culture in Contemporary China I

Zhou Xian

New Media Users in China I

A Nodes Perspective *Peng Lan*

New Media Users in China II A Mediatization Perspective Peng Lan

Infodemic in the Era of Post-Truth *Yan Su*

Attraction of Knowledge Celebrities How They Motivate Users to Pay for Knowledge *Xiaoyu Chen*

For more information, please visit https://www.routledge.com/China-Perspectives/book-series/CPH

Attraction of Knowledge Celebrities

How They Motivate Users to Pay for Knowledge

Xiaoyu Chen



First published in English 2024 by Routledge 4 Park Square, Milton Park, Abingdon, Oxon OX14 4RN

and by Routledge 605 Third Avenue, New York, NY 10158

Routledge is an imprint of the Taylor & Francis Group, an informa business

© 2024 Xiaoyu Chen

The right of Xiaoyu Chen to be identified as author of this work has been asserted in accordance with sections 77 and 78 of the Copyright, Designs and Patents Act 1988.

All rights reserved. No part of this book may be reprinted or reproduced or utilised in any form or by any electronic, mechanical, or other means, now known or hereafter invented, including photocopying and recording, or in any information storage or retrieval system, without permission in writing from the publishers.

Trademark notice: Product or corporate names may be trademarks or registered trademarks, and are used only for identification and explanation without intent to infringe.

British Library Cataloguing-in-Publication Data A catalogue record for this book is available from the British Library

ISBN: 978-1-032-66945-8 (hbk) ISBN: 978-1-032-67353-0 (pbk) ISBN: 978-1-032-66977-9 (ebk)

DOI: 10.4324/9781032669779

Typeset in Times New Roman by SPi Technologies India Pvt Ltd (Straive) To my wife, my two moms and two dads.



Contents

	List of Figures	ix
	List of Tables	x
	Acknowledgments	xii
	Introduction	1
PART I Knowledge Celebrities: Who Are They?		
1	What We Know and Don't Know About Knowledge Celebrities	11
2	Related Literature and Theoretical Lens	29
3	Collecting and Analyzing Data on Knowledge Celebrities	48
PART II Why Are Knowledge Celebrities Attractive to Users?		
4	Self-portraits of Knowledge Celebrities	61
5	Mixed-method Design to Study Perceived Attractiveness of Knowledge Celebrities	72
6	Three Significant Antecedents of Perceived Attractiveness of Knowledge Celebrities	82

PART III Why Are Users Willing to Pay for Knowledge?	
7 Mixed-methods Design to Study Users' Willingness t Pay for Knowledge	to 103
8 From Attraction to Attachment: Direct and Indirect Effects on Users' Willingness to Pay for Knowledge	110
9 What's Next for Research on Knowledge Celebrities?	121
Index	136

Figures

1.1	Overview of the book	20
6.1	PLS results of the antecedents of the perceived attractiveness	
	of knowledge celebrities	92
6.2	Redundancy analysis	93
8.1	Research model with PLS results	113

Tables

2.1	Guideline of applying social informatics perspective	32
2.2	Differences between online celebrities and knowledge	
	celebrities	34
2.3	Attributes of knowledge products based on related	
	literature	36
3.1	Operationalization of attributes of knowledge products	53
3.2	Descriptive statistics of the data set	54
4.1(a)	Topic labels of Category 1 ($n = 611$)	62
4.1(b)	Topic labels of Category 2 ($n = 882$)	62
4.1(c)	Topic labels of Category 3 ($n = 432$)	63
4.1(d)	Topic labels of Category 4 ($n = 692$)	63
4.2	Descriptive summary and examples across knowledge	
	celebrity categories	65
4.3	Attributes of knowledge products across different	
	identity types	67
4.4	Results of pairwise comparisons	68
4.5	Summary of findings	69
5.1	Demographic information of the participants $(n = 28)$	74
5.2	Semi-structured interview guide for knowledge celebrities	76
5.3	Measures of demographic information of survey	
	respondents	79
6.1	Demographic information of the survey sample	90
6.2	Descriptive statistics of related questionnaire items	90
6.3	Evaluation of reflective constructs	91
6.4	Results of multigroup analyses (Mentor vs. Broker)	94
6.5	Results of multigroup analyses (Mentor vs. Storyteller)	94
6.6	Results of multigroup analyses (Mentor vs. Geek)	95
6.7	Results of multigroup analyses (Broker vs. Storyteller)	95
6.8	Results of multigroup analyses (Broker vs. Geek)	95
6.9	Results of multigroup analyses (Storyteller vs. Geek)	95

71	Main constructs and survey items	104
	Measures of covariates and the marker variable	105
	Demographic information of the participants $(n = 15)$	106
7.4	List of questions in the interview guide for users with	
	pay-for-knowledge experience	107
8.1	Descriptive statistics of related questionnaire items	111
8.2	Evaluation of reflective constructs	112
8.3	Results of mediating effect analysis	115
8.4	Conceptual definitions of constructs of this book	116
8.5	Summary of the post-hoc analysis	118

Acknowledgments

Everyone's research journey is challenging, and mine is no exception. I am delighted that I did not give up and remained positive and resilient throughout the process of writing my monograph. I am immensely grateful to my doctoral supervisor, Prof. Alton Chua, for providing continuous guidance and support during my Ph.D. candidature. He also encouraged me to revise my Ph.D. dissertation into this monograph. I owe much of my conceptual and logical abilities to him, as he has greatly influenced my thinking style. Furthermore, his dedication to high-impact research has left a lasting impression on me.

I would like to express my sincere appreciation to my co-supervisor, Prof. L.G. Pee, for her generous help and guidance during my Ph.D. study. She provided me with much-needed encouragement during times of frustration and despair. From her, I learned the importance of time management and cultivating a unique research taste. I am also grateful to my Thesis Advisory Committee members, Prof. Joanna Sin and Prof. Ben Choi, for their constructive comments and advice. Their input has significantly improved the quality of my thesis, which serves as a crucial foundation for this monograph.

I extend my thanks to the faculty members at Wee Kim Wee School of Communication and Information (WKWSCI), Nanyang Technological University, Singapore. I have learned a great deal about presentation, reading and writing skills from these professors. Special thanks go to the administrative team at WKWSCI for alleviating much of the pressure on my shoulders. Additionally, I am grateful to my master students from School of Cultural Heritage and Information Management at Shanghai University: Yan He, Ruoxi Yang, Yun Wang and Yuanzhao Fan, for their editing and proofreading of the monograph.

Last but not least, I want to express my gratitude to my parents, who reside in my hometown, Jinzhai County, Anhui Province, China. Despite not having attended college or university themselves, they have made significant contributions to supporting my education and research.

This book has been made possible through the financial support of the Shanghai Pujiang Program.

Introduction

Online Celebrity Practices in China

Individuals may increase their popularity and even become online celebrities by sharing personalized content such as self-created photos, blogs and videos. Online celebrities refer to those who are able to attract a sizable following on the Internet (Chen, Chua, & Pee, 2022). Given their tremendous attractiveness to target audiences, online celebrities are also conceptualized as "digital influencers" or "key opinion leaders" in the existing literature (e.g., Gong & Li, 2017; Jiménez-Castillo & Sánchez-Fernández, 2019). In particular, several online celebrities may shape consumers' purchase decision-making process, for they are seen as credible information sources. It is no wonder that many of them have been hired to review or even subtly endorse products and services via an electronic word-of-mouth approach.

Online celebrities in China, commonly referred to as "Wanghong," encompass individuals who have successfully captured the attention of the extensive online community in China. These individuals have garnered online fame by generating highly tailored content across various digital platforms. Subsequently, many of them have capitalized on their popularity to generate substantial financial gains. The growing significance of online celebrities has prompted an increasing number of digital enterprises, including marketing, advertising and e-commerce platforms, to leverage their influence for commercial purposes. The "online celebrity economy" has been estimated to possess a market value exceeding US\$8.4 billion (Han, 2021). One notable exemplification of this phenomenon is *Papi Jiang*, who secured approximately US\$1.8 million in funding from venture capitalists to facilitate commercial promotions through the creation of original video-based content (CNNIC, 2021). The primary source of income for these online celebrities predominantly stems from sponsorships by affiliated companies and brands.

The Emergence of Knowledge Celebrities on Digital Platforms

An emerging class of online celebrities—*knowledge celebrities*—who sell self-created knowledge products on online platforms has become prevalent in

2 Introduction

recent years (Chen et al., 2022; Maddox, 2022). As with conventional online celebrities globally and locally, knowledge celebrities make themselves appealing to a sizable following and further capitalize on such an advantage to earn money. Initially, they attracted users by creating knowledge-intensive content for free online. Like traditional celebrities, knowledge celebrities may cultivate users to become their fans through ongoing high-quality output. Fans are known to go the extra mile to express their adoration for their favorite idols including offering monetary incentives. Against this backdrop, a novel business model—*pay-for-knowledge*—has emerged (Wang et al., 2022). As the demand for high-quality content has grown, several online platforms have evolved into pay-for-knowledge outfits where payment functions are incorporated to enable these "knowledge celebrities" to monetize their efforts. The platforms in turn share the revenue generated from users' payments with the knowledge celebrities.

There are two aspects that merit special attention to knowledge celebrities. First, the primary income of knowledge celebrities depends on users' payments for their knowledge products in two ways. The first way is to require upfront payment before the knowledge products are released (viz., *pay-before-consumption*). Alternatively, the second way is to ask users to donate voluntarily after consuming the knowledge products (viz., *pay-after-consumption*). Nowadays, it is common for knowledge celebrities to earn money via the two payment patterns.

Second, the *modus operandi* of knowledge celebrities is sophisticated. The knowledge products are usually packaged in textual, audio or video formats and delivered on pay-for-knowledge platforms. The themes of these products for sale span the gamut from academic and current affairs topics to online game commentaries and practical fixes (Chen et al., 2022). Although most knowledge celebrities have been recognized as good-quality and influential knowledge contributors by peers in related domains, in reality they are not pure "professionals" or "experts". Traditional experts such as lawyers and consultants communicate with consumers to learn about their demands, thereby offering professional and objective services. In contrast, knowledge celebrities put much more effort into interacting with users by leveraging digital technologies' features and functions (Maddox, 2022). As a result, they draw target audiences and gradually shape their consumption habits in paid content presentations and payment patterns.

Research Motivation

The attraction of knowledge celebrities has become a significant premise of running the pay-for-knowledge model. After all, if they did not draw users in the first place, they would not leverage such attractiveness to further affect their willingness to pay. Sellers' attractiveness in online transactional relationships has not received much in-depth discussion while being repeatedly mentioned (La Rocca, Caruana, & Snehota, 2012). This is because understanding

the concept could be a basis for related customer relation management and resource allocations on digital platforms (Mortensen, 2012). For example, research on crowdfunding platforms shows that the attractiveness of project creators is a significant factor that further affects backers' intention to donate their projects (Ryu & Kim, 2018). Therefore, project creators are encouraged to boost their perceived attractiveness. Unfortunately, the current understanding of *how* and *to what extent* the attraction of knowledge celebrities affects users' willingness to pay is limited.

Understanding the attraction of knowledge celebrities is important for two reasons. First, from an academic perspective, juxtaposing the attraction of knowledge celebrities and users' willingness to pay, this book may provide a fresh reference point for discussing the role of knowledge celebrities—a peculiar group of online celebrities in China—in users' willingness to pay for knowledge products. For example, the book will suggest that the concept of "attachment to knowledge celebrities" helps to understand why they are able to draw users to pay for knowledge products. Second, the book may inform related digital business practitioners such as pay-for-knowledge platform providers. They can benefit from extracting the value of knowledge celebrities by explicitly presenting their attraction to users who are likely to become potential consumers of the knowledge products.

The book's title, *Attraction of Knowledge Celebrities* and the book content originated from these reflections. Presenting the most insightful and related scholarly literature and relevant practices and cases with the highest level of clarity is my goal with this book. When looking through the book, readers may find answers to three questions of knowledge celebrities, namely, who they are, why they can draw users and why users are willing to pay for their knowledge products. I hope readers will benefit from the findings and implications of the book.

Guided by the book's goal, I identified three gaps in the existing literature. First, it has not accurately shed light on the characteristics of knowledge celebrities. Past research has unveiled various self-presentation styles among traditional online celebrities. For example, past research suggests that online celebrities tend to show their superior expertise in online profiles so as to quickly draw audiences. Unfortunately, in previous investigations, such "microcelebrities" are not famous for creating and selling knowledge-intensive content. Consequently, the extant literature fails to capture the unique characteristics of knowledge celebrities.

Second, what antecedents are important to the attraction of knowledge celebrities is unknown. The book posits that the attraction of knowledge celebrities is associated with their characteristics and social interactions with users. For knowledge celebrities, the interaction approaches may be determined by their characteristics. Users, in turn, may form corresponding perceptions of knowledge celebrities in social interactions. Therefore, the book aims to identify the significant antecedents of the attraction of knowledge celebrities by considering how they shape users' perceptions of them in social interactions.