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Online presence, visibility and reputation: a systematic literature review in management studies

Literature review in management studies

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Abstract

Purpose – The purpose of this 22-year paper is to synthetize business and management literature in the context of online presence, online visibility and online reputation concepts. In particular, this paper aims to generalize the analysis by investigating the level of interest of the Internet, digital and interactive marketing-focused literature, as well as the more general business and management one towards these topics.

Design/methodology/approach – To identify the existence or otherwise of an online presence, visibility and reputation definition, as well as an index for measuring them, a systematic review and a content analysis process were performed on 199 articles categorized over 1997-2018.

Findings – The findings highlight the absence of clear and shared online presence, visibility and reputation definitions; the absence of unanimously accepted indexes for measuring them; and the identification of a sequence relationship between the three investigated constructs.

Research limitations/implications – The paper underlines the need for both theoretical and empirical contributions to reduce the complexity characterizing the business and management literature focused on these topics.

Originality/value – The current study brings out interesting directions for future research studies by systematizing all the articles devoted to the online presence, visibility and reputation concepts from a business and management perspective.

Keywords Internet marketing, Online metrics, Web 2.0, Social media marketing, Online marketing, Online presence, Online visibility, Online reputation, Systematic literature review, Content analysis

Paper type Literature review

1. Introduction

In the past decades, the internet has received a significant level of attention by academics, business practitioners, government and media (Pomirleanu *et al.*, 2013). Managerially, the advent of the internet allowed producers and customers to communicate directly on a single online platform. Consequently, firms of any size and type are necessarily called today to access the network to survive and communicate their existence (Cormode and Krishnamurthy, 2008). Internet becomes in this way a key tool across a variety of contexts (Lamberton and Stephen, 2016).

In particular, among the different research lines concerning the Internet, Digital and Interactive marketing, the approach of the tourist studies is worthy of investigation



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(Cioppi *et al.*, 2016; Smithson *et al.*, 2011) since different authors (De Pelsmacker *et al.*, 2018; Melo *et al.*, 2017; Micera and Crispino, 2017; Xie *et al.*, 2014; Smithson *et al.*, 2011; Litvin *et al.*, 2008) identified three research streams related to:

- (1) the importance, for firms, to be present in the online sphere (online presence);
- (2) the relation between firms' online visibility and their overall performances (online visibility); and
- (3) the increasing influence assumed by the electronic word-of-mouth and customers' online reviews (online reputation).

Given the attention dedicated to these topics by the recent tourist studies, the main purpose of this paper is to generalize the analysis of these research streams by verifying if the business and management literature has already systematized these concepts and defined specific constructs and indexes for their conceptualization and measurement.

2. Objectives and design of the research

Specifically, the research design is composed by two different phases: in a first one, the specialized literature (Internet, digital and interactive marketing-focused) will be investigated to identify possible online presence, visibility and reputation conceptualizations and measurements. In the second phase (if no results emerge), the research will be extended to the global business and management literature.

Hence, the research questions of the article will be the following:

- RQ1. Does the literature focused on the Internet, Digital and Interactive marketing investigate the online presence, visibility and reputation topics?
- RQ2. Does a definition of the online presence, visibility and reputation concepts, unanimously shared by the business and management scientific community, exist?
- *RQ3.* Does an index, unanimously accepted by the business and management scientific community, for the measurement of these concepts, exist?

Primarily, to answer *RQ1*, the most relevant internet and interactive marketing-focused journals have been identified to find out if the online presence, online visibility and online reputation concepts represent topics recently investigated by the most authoritative literature (Figure 1). After identifying the top journals[1] (Pomirleanu *et al.*, 2013), a keywords extraction' process was carried out, concerning all the articles published, by each of them, in the last five years (2014-2018). In particular, the aim has been to figure out (through a classification of the most frequently adopted keywords) the current level of interest of the internet-focused articles towards the investigated research topics. Notably, through the adoption of the extraction tools of the Scopus and Web of Science databases, it has been possible to collect all the authors' keywords of the articles published in the last five years in the top ten internet-focused journals. Table I reports the keywords extraction's details.

Then, a frequency classification has been realized. Results revealed that the most investigated topics, in the past five years, have been: *online* (429), *social* (421), *marketing* (343), *medium* (209), *consumer* (193), *brand* (166), *model* (158), *mobile* (141), *network* (132), *advertise* (131), *internet* (129), *customer* (123) and *service* (118).

For what concerns the research streams investigated in this paper, the extraction process allowed to corroborate the limited level of interest of the internet-focused literature towards



Preliminary phase
Study of tourism marketing evidence: Online Presence; Online Visibility;
Online Reputation concepts/constructs

Phase 1

(RQ1) Does the literature focused on the Internet, Digital and Interactive marketing investigate the Online Presence, Visibility and Reputation topics?

Source:Top (10) Journals of Internet, Digital and Interactive marketing Methodology: Content analysis (Co-word analysis) of Article Keywords

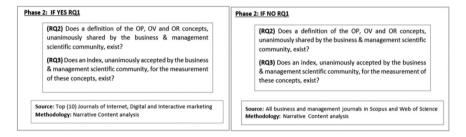


Figure 1. Design of the research

Source: Our elaboration

the presence, visibility and reputation concepts since they place themselves in the lowest positions of the frequency classification (reputation: 86th position with 23 frequencies; presence: 108th position with 18 frequencies), or they are totally absent (visibility).

Overall, the extraction process's results denoted that the most commonly adopted word has been "online", thus confirming the relevance of the topic considered in this study. However, through the co-word analysis (Figure 2), it has emerged that the "online" word is not significantly associated either with presence, visibility or reputation.

In conclusion, the keywords' analysis of the specialized journals allowed to corroborate the absence of recent studies specifically focused on the online presence, visibility and reputation concepts.

For this reason, in a second phase, the global business and management literature has been analyzed to extend the investigation of the online presence, visibility and reputation topics in a more comprehensive perspective.

Notably, the systematic literature review method has been adopted since it allows to identify, evaluate and interpret "all available research relevant to a particular research question, or topic area or phenomenon of interest" (Kitchenham, 2004, p. 1). In particular, the review process has been divided into the following phases: (i) collection, (ii) systematization/selection and (iii) content analysis of the selected articles.

As a review search begins with the identification of specific keywords and terms, which are built from the scoping study (Tranfield *et al.*, 2003), the "online presence", "online visibility" and "online reputation" strings have been used in a systematic research.

Scopus and Web of Science are the electronic databases selected for the review, which allowed searching for articles containing the selected search strings in their titles, authors'



| JRIM 13,4 | No. | Word | Occurrence | Percentage occurrence on the total keywords (%) | Percentage occurrence on the total papers (%) |
|----------------------------------|------------|--------------------|------------|---|---|
| | 1 | ON-LINE | 429 | 6.60 | 34.16 |
| | 2 | SOCIAL | 421 | 6.48 | 33.52 |
| | 3 | MEDIUM | 209 | 3.22 | 16.64 |
| | 5 | CONSUMER | 193 | 2.98 | 15.37 |
| 550 | 6 | BRAND | 166 | 2.56 | 13.22 |
| | - 7 | MODEL | 158 | 2.43 | 12.58 |
| | 8 | MOBILE | 141 | 2.17 | 11.23 |
| | 9 | NETWORK | 132 | 2.03 | 10.51 |
| | 10 | ADVERTISE | 131 | 2.02 | 10.43 |
| | 11 | INTERNET | 129 | 1.99 | 10.27 |
| | 12 | CUSTOMER | 123 | 1.89 | 9.79 |
| | 13 | SERVICE | 118 | 1.82 | 9.39 |
| | 14 | INFORMATION | 111 | 1.71 | 8.84 |
| | 15 | THEORY | 106 | 1.63 | 8.44 |
| | 16 | E-COMMERCE | 105 | 1.62 | 8.36 |
| | 17 | REVIEW | 99 | 1.52 | 7.88 |
| | 18 | TECHNOLOGY | 91 | 1.40 | 7.25 |
| | 19 | TRUST | 91 | 1.40 | 7.25 |
| | 20 | DATA | 90 | 1.38 | 7.17 |
| | 86 | REPUTATION | 23 | 0.35 | 1.83 |
| | 108 | PRESENCE | 18 | 0.28 | 1.43 |
| T-1-1- I | | Total paper | 1256 | | |
| Table I. Word analysis of | | Total Keywords | 6494 | | |
| keywords | Sourc | e: Our elaboration | | | |

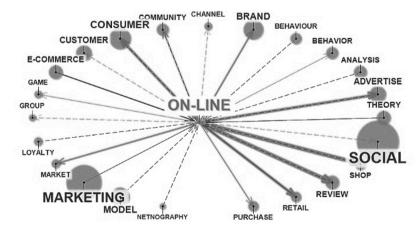


Figure 2.
Topics associated with the "online" concept in the top journals keywords

Source: Our elaboration

keywords or abstracts. Furthermore, the review has specifically focused on peer-reviewed journals since they represent the principal publication outcome for academic research. Moreover, the "document types" were limited to "article" and "review", while for what concerns the "year" filter, all the articles/reviews until 2018 have been selected.



Literature review in management studies

and reputation concepts in a more comprehensive business and managerial perspective); and

(2) the fact that, although this focus may have precluded a multidisciplinary review,

the purpose of the paper (to expand the analysis of the online presence, visibility

(2) the fact that, although this focus may have precluded a multidisciplinary review, this choice has been necessary due to the level of detail required by the full texts' reading phase.

By adopting these specific filters, a total of 255 publications have been identified (online presence: 126; online visibility: 23; online reputation: 106). Then a final filtering phase has been carried out to delete possible duplications (same contributions identified both with Scopus and Web of Science database).

At the end of this systematic process, a final database of 199 articles, published between 1997 and 2018, has been identified.

Subsequently, a content analysis process has been used to extract, from the selected publications, all the proposed online presence, visibility and reputation definitions (definitional dimension), as well as their measurement indexes (metrical dimension).

3. Findings

3.1 Descriptive findings

From a keyword perspective, the online presence was found to be the most investigated concept by the business and management literature with 106 articles, followed by the online reputation (n = 80) and online visibility (n = 13).

For what concerns the years' distribution (Table II), for all the investigated research streams, the number of publications was meagre during the timeframe 1997-2003, but recorded a growth period from 2004, until reaching three peaks in 2014 (11 contributions focused on the online presence concept), in 2017 (15 publications dedicated to the online reputation concept and 3 to the online visibility research topic), and in 2018 (12 studies devoted to the online presence and 16 to the online reputation).

In terms of journals' distribution, *Decision Support Systems* (n = 7), *Internet Research* (n = 5), and *Tourism Management* (n = 5) are the journals with the highest number of published papers (Table III).

Moreover, through the adoption of the content analysis process focused on the titles, abstracts, and keywords of the selected publications, the topic areas have been explored (Tables IV and V). In particular, Table IV quantitatively confirms the heterogeneity of the investigated sectors (Lamberton and Stephen, 2016) by also underlining the non-homogenous distribution of the three topics into the different industries.

Additionally, Table V allows identifying, through the citation analysis process, the first five most-cited contributions, which represent the most recognized publications by the research academy. Notably, results demonstrate, also at a qualitative level, how the most cited papers are attributable to studies focused on different sectors.

3.2 Analytical findings

In the following sections, the results extracted from the content analysis concerning the online presence, visibility and reputation definitions and measurements will be presented.

3.2.1 Online presence definitions. Findings, regarding the online presence definitions' extraction, allowed to detect a limited attempt to outline this concept. Notably, even if a

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| JRIM 13,4 | Publication years | Online presence | Online visibility | Online reputation |
|--|-------------------------|-----------------|-------------------|-------------------|
| 10,1 | 1997 | 1 | _ | _ |
| | 1998 | _ | _ | = |
| | 1999 | _ | _ | _ |
| | 2000 | 1 | _ | _ |
| | 2001 | 1 | _ | 1 |
| 552 | 2002 | 1 | _ | _ |
| | 2 003 | 1 | _ | _ |
| | 2004 | 6 | 1 | _ |
| | 2005 | 2 | _ | _ |
| | 2006 | 2 | _ | 1 |
| | 2007 | 4 | 1 | 1 |
| | 2008 | 3 | _ | 3 |
| | 2009 | 4 | 1 | 1 |
| | 2010 | 6 | _ | 4 |
| | 2011 | 9 | 1 | 5 |
| | 2012 | 7 | _ | 7 |
| | 2013 | 8 | _ | 2 |
| | 2014 | 11 | 1 | 4 |
| | 2015 | 9 | _ | 8 |
| | 2016 | 7 | 2 | 12 |
| | 2017 | 11 | 3 | 15 |
| T 11 II | 2018 | 12 | 3 | 16 |
| Table II. Year distribution of | Total | 106 | 13 | 80 |
| articles $(n = 199)$ | Source: Our elaboration | n | | |

| | Papers' distribution per journal | No. of papers |
|---------------------------------|--|---------------------------|
| | Decision Support Systems Internet Research Tourism Management Information and Management | 7 5 5 4 |
| Table III. Journal distribution | Public Relations Review International Journal of Business Information Systems Journal of Interactive Marketing Other Journal (<= 3 papers) Total | 4 4 4 166 199 |
| of articles $(n = 199)$ | Source: Our elaboration | |

> significant number of papers (n = 106) dealt with this topic, only in a few of them (n = 23), a possible definition has been proposed (Table VI). Indeed, in the majority of publications (n = 83), the online presence concept has been investigated without introducing or trying to define it.

> By focusing on the extracted definitions, several authors mainly underlined the strategic role of the online presence as an essential precondition (Lee et al., 2013; Sebastião, 2013) for the firms' success in the online environment (Raguseo et al., 2017; Rodríguez Domínguez et al., 2011; Murphy and Scharl, 2007; Jackson, 2007; Torres et al., 2006) to present themselves in the digital sphere (De Bakker and Hellsten, 2013); enhance their image



| Topic areas | Online presence | Online visibility | Online reputation | Literature review in |
|--------------------------------------|-----------------|-------------------|-------------------|-------------------------|
| Industrial sector | 32 | 4 | 7 | management |
| Tourism sector | 17 | 6 | 30 | |
| Political/Public sector | 10 | _ | 1 | studies |
| Print sector | 8 | _ | _ | |
| Online projects/communities | 6 | _ | 4 | |
| Education sector | 6 | 2 | _ | 553 |
| Online behaviors | 5 | 1 | 12 | |
| e-commerce/shopping | 5 | _ | 6 | |
| Museums and arts | 4 | _ | _ | |
| Food/beverage sector | 3 | _ | 3 | |
| Luxury sector | 3 | _ | _ | |
| Banking sector | 2 | _ | _ | |
| No-profit sector | 2 | _ | _ | |
| Medical sector | 2 | _ | 2 | |
| Sporting sector | 1 | _ | _ | |
| Online auction market | _ | _ | 6 | |
| Online reputation systems/management | _ | _ | 5 | |
| Online recruitment/labor market | _ | _ | 2 | |
| Personal reputation | _ | _ | 1 | |
| Entertainment sector | _ | _ | 1 | m |
| Total | 106 | 13 | 80 | Table IV. |
| Source: Our elaboration | | | | Topic area distribution |

| Concept | Authors, years | Sector of analysis | No. of citations | |
|----------------------|-----------------------------|-------------------------|------------------|--------------------|
| Online presence | Chen and Yen (2004) | Industrial sector | 168 | |
| Online presence | Constantinides (2004) | Industrial sector | 166 | |
| Online presence | Torres et al. (2006) | Political/Public sector | 122 | |
| Online presence | Kuan and Bock (2007) | Industrial sector | 112 | |
| Online presence | Lee et al. (2013) | Industrial sector | 100 | |
| Online visibility | Drèze and Zufryden (2004) | Industrial sector | 86 | |
| Online visibility | Meyer and Schroeder (2009) | Education sector | 43 | |
| Online visibility | Murphy and Scharl (2007) | Industrial sector | 33 | |
| Online visibility | Smithson et al. (2011) | Tourism sector | 31 | |
| Online visibility | Lappas <i>et al.</i> (2016) | Tourism sector | 29 | |
| Online reputation | Xie et al. (2014) | Tourism sector | 129 | |
| Online reputation | Reuber and Fischer (2011) | Industrial sector | 121 | |
| Online reputation | Lee et al. (2011) | Tourism sector | 100 | |
| Online reputation | Baka (2016) | Tourism sector | 89 | m 11 T |
| Online reputation | Liang et al. (2017) | Tourism sector | 73 | Table V |
| 1 | | | | Top five most cite |
| Source: Our elaborat | tion | | | article |

(AbuGhazaleh et al., 2012); offer and share new source of rich information and communicate with primary and secondary stakeholders (Hagsten and Kotnik, 2017; Powell et al., 2016; Wilson, 2011); attract and reach more potential customers (Graham and Greenhill, 2013; Stewart and Marcketti, 2012; Smithson et al., 2011); respond to criticism launched online (Veil et al., 2012); extend and complement the market reach of the physical channels



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Table VI.Online presence definitions and metrics' extraction

| Authors | Conceptualization | Adopted index | Index categorization |
|--|---|---|--------------------------------------|
| Constantinides (2004) | A comprehensive and customer- oriented virtual proposition addressing a wide variety of issues and delivering the maximum possible effect, the utmost Web experience | _ | _ |
| Chen and Yen (2004) | _ | Presence of specific website features in six interactivity dimensions (Quality, playfulness, Choice, connectedness, information collection, reciprocal communication) | Website analysis |
| Forres <i>et al</i> . | A measurement of the Internet use | _ | _ |
| 2006) ackson (2007) | A resource generating tool; a part of a coherent communication strategy | _ | - |
| Murphy and Scharl (2007) | Vital tool to a brand's internet success | _ | _ |
| Tiago <i>et al.</i> (2007) | - | Presence of specific website features | Website analysis |
| Carrizales <i>et al.</i> (2011) | _ | Evaluation of two different types of online services: those that allow citizens to interact with the district, and those that allow users to register online for district events or services | Website analysis |
| Rodríguez Domínguez <i>et al.</i> (2011) | A presence on the internet | _ | _ |
| Smithson <i>et al.</i> (2011) | The use of a website and the design characteristics (interactivity, navigation and functionality) and information these websites should show to attract customers | Three-point scale as follows: 0 for no Internet presence; 1 for hotels with website only; 2 for hotel websites with e-commerce tools | Presence/ absence analysis |
| Wilson (2011) | An expectation that information and further details will be available online | _ | _ |
| AbuGhazaleh et al. (2012) | A way to enhance the company's image and reputation | _ | _ |
| Mich and Hull (2012) | A map of the official and semi- official presences for firms | Analysis of the following spaces: the official website and social networks. Gathering of the main data (e.g., the registered members, published posts, last official update, etc.). Creation of a Web presence map illustrating the most interesting strategies | Website/ social media analysis |
| | | | (continued) |

| Authors | Conceptualization | Adopted index | Index categorization | Literature review in management |
|----------------------------------|--|--|--------------------------------------|---------------------------------------|
| Panagiotopoulos (2012) | _ | Construction of an Index (OP): 'I believe that the union can benefit from its presence on social | Website/ social media analysis | studies |
| | | networks'(OP-SN), 'I believe that the union can benefit from the Internet presence compared to its traditional activities' (OP-WEB) and 'I believe that the union can benefit from its presence on Facebook' (OP-FB) | ananysis | 555 |
| Stewart and | An essential way to reaching | - | _ | |
| Marcketti (2012) | museum visitors | | | |
| Veil et al. (2012) | A voice to respond to criticism launched online | _ | _ | |
| De Bakker and Hellsten (2013) | The way firms present themselves online | The hyperlink network around an organization's website; combination of hyperlink analysis and semantic co-word maps | Hyperlink network analysis | |
| Graham and Greenhill (2013) | A way to extend and complement the market reach of the printed channel, by improving the rate of circulation change thus attracting more readers | Convergence tools (presence in multimedia platforms); Co-creation (Presence of different forms of UGC); Interactivity (Number of 2.0 tools); Paywalls (Presence of ecommerce application) | Presence/ absence analysis | |
| Lee et al. (2013) | Precondition for effective relationships in the mediated environments | Number of followers and the speed of growth | Social media analysis | |
| Lilleker and Jackson (2013) | A way to build closer relationships with users; a potential marketing tool; a major tool for internal marketing | _ | _ | |
| Papagiannidis et al. (2013) | An important communication medium; a catalytic factor in communicating any existing political advantages politicians may have | _ | _ | |
| Sebastião (2013) | A "must have" under penalty of no existence | _ | _ | |
| Otero <i>et al.</i> (2014) | A powerful instrument, capable of attracting consumers to a store and creating the possibility of a future purchase | _ | _ | |
| Pranić <i>et al.</i> (2014) | — | Presence or absence of a number of website attributes on a well-prepared checklist belonging to the following categories: 1. User-friendliness; 2. Site attractiveness; 3. Marketing effectiveness; 4. Informativeness | Website analysis | |
| | | _ | - | |



Table VI.

(continued)

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Table

| | | | | Index |
|-----|-------------------------------|--|--|--------------------------------------|
| | Authors | Conceptualization | Adopted index | categorization |
| | Scott Rader et al. (2014) | A largely one-way, traditional advertising model that essentially replicates elements of print and broadcast advertisements, but in the digital domain | | |
| | Ban and Popa (2015) | | QUALITY OF ONLINE PRESENCE: 1. the quality of the content of the website - manifestation in the virtual environment (search and booking engine, newsletters, own blog, customer support, SEO, Google Analytics etc.); 2. the level of interactivity of the website - the interaction with customers; 3. the entering into new socialization environments provided by the Internet (presence on Facebook or other social media) | Website/ social media analysis |
| | Calefato <i>et al.</i> (2015) | A way to foster both cognitive and affective trust | _ | _ |
| | Powell <i>et al.</i> (2016) | A way offering a major new source of rich information about organizations | _ | _ |
| | Hagsten and Kotnik (2017) | A way enabling firms to share information and communicate with customers | The possession or not of a website | Presence/ absence analysis |
| | Moghavvemi et al. (2017) | | The presence (1) or absence (0) of specific website items belonging to the following categories: 1. Hospital information and facilities; 2. Admission and medical services; 3. Interactive online services; 4. External activities; 5. Technical items | Website analysis |
| | Raguseo <i>et al.</i> (2017) | A way to be present on multiple channels, such as generalist search engines | _ | _ |
| | Shaltoni (2017) | _ | Presence of a firm's website; Firm's social media presence across the following platforms: Facebook, LinkedIn and YouTube | Website/ social media analysis |
| | De Jong and Wu (2018) | _ | Presence of specific content Element per Function Area: 1. Visitor information; 2. UNESCO status; 3. Virtual experience; 4. Education; 5. Destination marketing; 6. Community participation; 7. Advertisements | Website analysis |
| VI. | | | | (continued) |



| Authors | Conceptualization | Adopted index | Index categorization | Literature review in management |
|--|--|--|----------------------|---------------------------------------|
| Domínguez- Falcón <i>et al.</i> (2018) | It is important to be formally present on the platform as a sign of business modernity and | items (11); 2. Clients (12); 3. social | Website analysis | studies |
| | innovation | networks (4); 4. Web 2.0 applications (5); 5. website's usability (10) | | 557 |
| Source: Our el | laboration | | | Table VI. |

(Otero *et al.*, 2014) by improving the rate of circulation change (Graham and Greenhill, 2013); build closer and more trusting relationships with users (Calefato *et al.*, 2015; Lilleker and Jackson, 2013).

3.2.2 Online presence measurements. Concerning the online presence measurement indexes, the analysis highlighted the absence of a standard scale widely accepted by researchers (Horster, 2011; Smithson *et al.*, 2011). Indeed, the identification of a shared online presence index is still at an exploratory stage with several authors proposing possible metrics. Notably, they can be categorized into five different groups:

- presence/absence analysis;
- (2) website analysis;
- (3) social media analysis;
- (4) website/social analysis; and
- (5) hyperlink network analysis.

The first identified categorization (*presence/absence analysis*) presents, among the others, the most global perspective since it is founded on the study of the firms' online existence based on the simple presence/absence of an official website/e-commerce platform (Hagsten and Kotnik, 2017; Graham and Greenhill, 2013; Smithson *et al.*, 2011).

By going more in detail, the *website analysis* focuses its attention on the examination of the presence of particular features of firms' websites. Then, the analysis proceeds with the attribution of specific scores to each examined feature to evaluate the overall firms' online existence (Domínguez-Falcón *et al.*, 2018; De Jong and Wu, 2018; Moghavvemi *et al.*, 2017; Pranić *et al.*, 2014; Carrizales *et al.*, 2011; Tiago *et al.*, 2007; Chen and Yen, 2004).

Conversely, Lee *et al.* (2013) use an analysis centered on social media (*social media analysis*) to assess the firms' online existence by examining their presence/absence on specific online platforms and by adopting specific measurements, such as the number of followers in the respective social media.

Moreover, another detected online presence practice concerns the simultaneous analysis of the official website and social media spaces (*website/social media analysis*), thus combining the previous two analyses (Shaltoni, 2017; Ban and Popa, 2015; Mich and Hull, 2012; Panagiotopoulos, 2012).

Finally, the last categorization (hyperlink network analysis) has been adopted by De Bakker and Hellsten (2013) who present an explorative study of activist groups' online presence via their websites by proposing a combination of methods to analyze both the



structural positioning of websites (hyperlink network analysis) and the meanings in these websites (semantic co-word maps).

3.2.3 Online visibility definitions. Concerning the online visibility topic, the content analysis allowed to underline a more accurate attempt to define it with respect to the previously investigated construct (online presence). In particular, the conceptualization proposed by Drèze and Zufryden (2004) represents the most adopted definition by the business and management literature (Smithson et al., 2011). Notably, the authors defined the online visibility topic as "the extent to which a user is likely to come across a reference to a company's Web site in his or her online [...] environment" (Drèze and Zufryden, 2004, p. 22). Additionally, they also conceptualized it as a precursor to website traffic, in the same vein, as awareness is a precursor to purchase.

More recently, Reuber and Fischer (2011) described it as the firm's familiarity in the eyes of online stakeholders, relative to that of its rivals, while Smithson *et al.* (2011) defined it as a differentiating factor able to produce superior organizational performance through the capture of new clients. In their paper, instead, Charest and Bouffard (2015) underlined the relevance of online visibility as a key factor impacting upon the image of an organization.

By focusing on the hotel industry, Lappas *et al.* (2016) defined online visibility as the probability, for firms, to be included in the consideration set of a random user.

Finally, Raguseo *et al.* (2017) and Raisi *et al.* (2018) focused their attention on the competitive features characterizing the online visibility concept by highlighting its critical relevance for firms' competitiveness through its ability to attract more profitable customers.

3.2.4 Online visibility measurements. From the measurement perspective, one of the most complete attempt to evaluate the online visibility concept is that proposed by Drèze and Zufryden (2004), who conceptualized the Visibility Index as follows: for each website, a binary index (0 or 1) was assigned to a respondent depending on whether the respondent had seen reference to, or mention of, the website in any one or more of the following online sources: Internet advertising/banner ads; results of a search done on a search site; listing in the directory section of a search site; link to the website from any other website(s); discussion group, newsgroup, or chat room; e-mail received from someone; online news article. However, by only focusing on these measurements, the Drèze and Zufryden (2004) model did not consider the users' perspective and their search choices. To include these preferences, Smithson et al. (2011) proposed a model integrating the psychological, motivational, economic and processing approaches of users.

In addition to the Drèze and Zufryden (2004) and Smithson *et al.* (2011) measurements, a further online visibility index, proposed by the business and management literature, concerns the firm's search engine ranking and website traffic (Manes Rossi *et al.*, 2018; Pant and Pant, 2018; Lappas *et al.*, 2016; Chua *et al.*, 2009; Murphy and Scharl, 2007).

With the purpose of enriching the previous studies, Otero *et al.* (2014) and Raguseo *et al.* (2017) tried to identify the main elements composing the online visibility index. Notably, the Otero *et al.* 's (2014) online visibility construct is composed of the following elements:

- backlinks (the greater the number of links pointing to a website, the better its visibility);
- infomediaries (being on at least two key-sector infomediaries allows to reach high visibility and customer awareness);
- website (the better the website quality, the greater the effectiveness in consumer attraction); and
- social media (the more a firm participates in social media, the more it improves its search engine rank).



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Finally, by focusing their attention on the tourism sector, Raguseo *et al.* (2017) detected two main areas in which firms should be necessary visible in the online context:

- (1) the online visibility on OTAs (OTA's multiplicity); and
- the online visibility on TripAdvisor (review variance, review valence, review volume and hotel responses) (Table VII).

3.2.5 Online reputation definitions. Finally, for what concerns the online reputation conceptualization, even if several contributions (n = 80) focused the attention on this topic, only fewer than a half (n = 31) tried to propose possible definitions of it (Table VIII).

Notably, three main aspects, related to the online reputation definition, emerged from the content analysis: the capacity/quality perspective; the aggregative perspective; the objective perspective.

Turning to the first perspective (*capacity*/q*uality perspective*), several authors (Díaz and Rodríguez, 2018; Xie and So, 2018; Diéguez-Soto *et al.*, 2017; Lee *et al.*, 2011; Chua *et al.*, 2009; Elsaid and Knight, 2007; Lin *et al.*, 2006) focused their attention on the online reputation role as a performance indicator able to differentiate and detect the firms' capacity/quality in the online context.

Further authors (Rodríguez-Díaz *et al.*, 2018; Xie and So, 2018; Micera and Crispino, 2017; Charest and Bouffard, 2015; Papagiannidis *et al.*, 2013; Hung *et al.*, 2012; Rice, 2012; Reuber and Fischer, 2011; Dellarocas, 2010; Zhou *et al.*, 2008), instead, underlined the relevance of this construct as an online summary/aggregator of users' positive and negative perceptions and experiences (related to a firm's past actions, products, services or brands) describing the firm's overall appeal to all its key online stakeholders when compared to other rivals (*aggregative perspective*).

Within the third perspective (*objective perspective*), fall all the authors focusing their attention on the main objectives recognized to the online reputation, such as inducing cooperation (Bakos and Dellarocas, 2011); mitigating information asymmetry (Novotny and Spiekermann, 2017; Lin *et al.*, 2016); influencing customers during their online purchasing (Singh *et al.*, 2016a); reducing transaction risks (Novotny and Spiekermann, 2017); capturing clients and reaching sales goals and higher prices (Díaz and Rodríguez, 2018; Diana-Jens and Ruibal, 2015; Yoganarasimhan, 2013); influencing the firms' value perceived by users (Parra-Lopez *et al.*, 2018); helping community members make decisions (Dellarocas, 2010).

3.2.6 Online reputation measurements. Similarly to the online presence construct, the online reputation analysis underlined the current absence of a standard scale unanimously adopted by the business and management literature. However, several studies tried to propose possible metrics to evaluate the firms' reputation in the online sphere. Notably, two different categories of measurements emerged:

- (1) general feedback ratings; and
- (2) composed indexes.

For what concerns the first categorization (*general feedback ratings*), several studies (Aureli and Supino, 2017; Banerjee *et al.*, 2017; Diéguez-Soto *et al.*, 2017; Abrate and Viglia, 2016; Blomberg-Nygard and Anderson, 2016; Floreddu and Cabiddu, 2016; Li, 2016; Schuckert *et al.*, 2016; Singh *et al.*, 2016b; Diana-Jens and Ruibal, 2015; Anderson and Lawrence, 2014; Ye *et al.*, 2014; You and Sikora, 2014; Rice, 2012; Horster, 2011; Reuber and Fischer, 2009) adopted general and global feedback ratings to measure firms' online reputation, such as the



| JRIM 13,4 560 | Index Adopted index categorization | For each website, a binary index (0 or 1) was assigned to a respondent depending on whether the respondent had seen reference to, or mention of, the website in any one or | ıking and | Ranking in search engine results Search engine ranking | | Average users' search preferences Composed index | Elements for online visibility Backlinks Infomediaries Website Social media | | Position in the review-based ranking; the industry-standard average rating function, as well as TripAdvisor's Popularity Index formula, which considers the age, quantity and quality of a hotel's reviews; DelayIndex | (continued) |
|--|------------------------------------|--|--------------------------|--|--|--|--|---|--|-------------|
| | Conceptualization | The extent to which a user is likely to come across a reference to a company's website in his or her online environment, A precursor to website traffic, as awareness is a precursor to purchase | I | ı | A key emergent factor The firm's familiarity in the eyes of online | Starkenouters relative to that of its rivals. A differentiating factor able to produce superior organizational performance through the capture of new clients; The higher possibility of finding certain enterprises; A differentiating factor for competitive | advantage _ | A factor impacting upon the image of an | or gamzaton The probability to be included in the consideration set of a random user; a function of the features that a business can cover and its position in the platform's review-based ranking | |
| Table VII. Online visibility definitions and metrics' extraction | Authors | Drèze and Zufryden (2004) | Murphy and Scharl (2007) | Chua et al. (2009) | Meyer and Schroeder (2009) Reuber and Fischer (2011) | Smithson et al. (2011) | Otero <i>et al.</i> (2014) | Charest and Bouffard (2015) | Lappas <i>et al.</i> (2016) | |



| Authors | Conceptualization | Adopted index | Index categorization |
|----------------------------------|---|---|-------------------------------|
| Raguseo et al. (2017) | A competitive necessity; The ability to attract more profitable customers | Hotels' online visibility: 1. OTAs' multiplicity; 2. Review variance: 3. Review valence; 4. Review volume; 5. Hotel | Composed index |
| Manes Rossi <i>et al.</i> (2018) | I | responses Logarithm of the results of a search in "google.com" in which the university | Search engine ranking |
| Pant and Pant (2018) | I | appeared in the past year In-links or pagerank; the site's user traffic | Search engine ranking/website |
| Raisi <i>et al.</i> (2018) | A critically important factor for firms' competitiveness | ı | traffic |
| Source: Our elaboration | | | |

Table VII.



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Table VIII.Online reputation definitions and metrics' extraction

| Authors | Conceptualization | Adopted index | Index categorization |
|-------------------------------------|--|---|--------------------------------|
| Lin et al. (2006) | The firm's capacity in the online | _ | _ |
| Elsaid and Knight (2007) | context An important consideration of the assessment of the quality of the | - | _ |
| Zhou et al. (2008) | company's products The net impact of the positive and negative feedback | _ | _ |
| Chua et al. (2009) | An important component of niche marketing and differentiation | - | _ |
| Reuber and Fischer (2009) | - | The total number of downloads of a product in the online context | General feedback ratings |
| Dellarocas (2010) | A summary of one's past actions within the context of a specific Web-based community, presented in a manner that can help other community members make decisions | _ | _ |
| Bakos and | A mechanism for inducing | _ | _ |
| Dellarocas (2011) Horster (2011) | cooperation — | Reputation rankings | General feedback ratings |
| Lee et al. (2011) | An extrinsic cue indicating the quality of online merchants and online information creators | _ | - |
| Reuber and Fischer (2011) | A perceptual representation of a company's past actions and future prospects that describe the firm's overall appeal to all its key online constituents when compared to other leading rivals | Online reputation constructs: 1. Online visibility; 2. Valence of online signals; 3. Volume of online signals; 4. Consistency of online signals; 5. Perceived trustworthiness | Composed index |
| You and Sikora (2014) | - | Summary statistics (for example, sample average) of the feedback ratings | General feedback ratings |
| Hung et al. (2012) | A significant determinant of marketing's influence in businesses; one of the most important tools for marketing; an endogenous and self-generated indicator produced by the users for their benefit | _ | |
| Rice (2012) | A history of reported evaluations left by prior transaction partners and disseminated to the community | Good and poor ratings | General feedback ratings |
| Papagiannidis et al. (2013) | The extent to which users can identify the standing of others, including themselves, in a social media setting | _ | - |
| | mean octing | | (continued) |

| Authors | Conceptualization | Adopted index | Index categorization | Literature review in management |
|--|--|--|--------------------------------|---------------------------------------|
| Yoganarasimhan (2013) | The higher probability of being chosen as well as the ability to charge higher prices | - | _ | studies |
| Anderson and Lawrence (2014) | - Prices | Online consumer review ratings | General feedback ratings | 563 |
| Ye et al. (2014) | _ | The percentage of positive feedback (calculated by dividing the number of unique positive ratings by the total number of unique positive ratings and unique negative ratings) | General feedback ratings | |
| Charest and Bouffard (2015) | The expression and evaluation of the opinion of Internet users through the use of Web tools | _ | _ | |
| Diana-Jens and Ruibal (2015) | The result of what clients, former clients, future clients, employees, etc. say, write and communicate to another anywhere in the internet social media based on their perceptions and experience in any moment of their relationship, direct or indirect, with the brand; a vital aspect of the business competitiveness; a vital factor in | The whole group of reviews available through Social Media channels; position in the TripAdvisor's ranking | General feedback ratings | |
| Shen et al. (2015) | establishing pricing strategies An important driver for community members to contribute voluntarily | _ | _ | |
| Abrate and Viglia (2016) | | Star rating, the average online rating given by visitors | General feedback ratings | |
| Baka (2016) | An ongoing cyclical process that consists of manageable moments | - | _ | |
| Blomberg- Nygard and Anderson (2016) | - | Guest review score | General feedback ratings | |
| Floreddu and Cabiddu (2016) | _ | Number of positive, negative and medium codes | General feedback ratings | |
| Li (2016) | _ | The valence of user-generated online reviews (average review rating) | General feedback ratings | |
| Lin et al. (2016) | Secondhand and historical information shared by strangers; a set of reviews and ratings mitigating information asymmetry | Volume or the number counts of reputational ratings (RatingsCount), valence or the average of these ratings (AvgRating), and a dummy variable (NoRating) measuring whether the vendor has received | Composed index | |
| | | | (continued) | Table VIII. |



| JRIM 13,4 | Authors | Conceptualization | Adopted index | Index categorization |
|--------------|--------------------------------------|---|---|--------------------------------|
| 564 | Schuckert et al. | | any ratings associated with his or her profile at the time of the bid (a value of one indicates the absence of ratings) Customers online ratings | General |
| | (2016) | | Customers online ratings | feedback ratings |
| | Singh <i>et al.</i> (2016a) | A criteria influencing customers during their online purchasing | Customers online ratings | General feedback ratings |
| | Aureli and Supino (2017) | A typical result of web 2.0 | Rankings, ratings, travel website algorithms and scores | General feedback ratings |
| | Banerjee <i>et al.</i> (2017) | _ | Average business rating * Number of reviews | |
| | Diéguez-Soto et al. (2017) | The online customer valuation regarding location, quality of rest, rooms, service, quality-price and cleanliness | Online popularity ranking available in Tri-pAdvisor website: 100 – [(TripAdvisor ranking position/Number of hotels in TripAdvisor ranking)* 100] | General feedback ratings |
| | Gupta <i>et al.</i> (2017) | The perception of the e-commerce sites online presence | Online reputation measures: 1. Product information; 2. Conveyance; 3. Website content and ranking; 4. Offers and promotions; 5. Advocacy; 6. Status delivery; 7. Privacy and security | Composed index |
| | Liang <i>et al.</i> (2017) | An important type of social capital | Online reviews related data | General feedback ratings |
| | Micera and Crispino (2017) | Both the positive and negative opinions exchanged on the web | Analysis of the opinions (positive or negative) expressed by users in various Web sources (communities, blogs, social networks) and measurement of virality (sharing rates) generated by these comments and posts | Composed index |
| | Nicoli and Papadopoulou (2017) | The foundation of a successful hotel business enterprise, with massive benefits, including high demand and more profit, good marketing exposure, repetitive clientele, loyalty and integrity, competitive advantage and a priceless advertisement; a synonymous with how publics perceive the most significant characteristics of an organization | _ | _ |



Table VIII.

(continued)

| Authors | Conceptualization | Adopted index | Index categorization | Literature review in management |
|--------------------------------------|--|---|--------------------------------|---------------------------------------|
| Novotny and Spiekermann (2017) | A trust mark reducing transaction risks and remediating information asymmetry | To calculate the score of a profile, the ratings are added and divided by the number of reviews | General feedback ratings | studies |
| Ramos <i>et al.</i> (2017) | _ | Score reviews | General feedback ratings | 565 |
| Aringhieri <i>et al.</i> (2018) | The result of (i) a number of repeated transactions between pairs of sellers and buyers, not necessarily the same, and (ii) the sharing with other sellers and buyers of the outcomes of the transaction | _ | - | |
| Díaz and Rodríguez (2018) | A strategic factor in determining the competitiveness and marketing capacity of lodging companies; a new marketing tool to capture clients and reach sales objectives in the lodging industry | _ | _ | |
| Gössling <i>et al.</i> (2018) | Determinant of economic success | _ | _ | |
| Könsgen <i>et al.</i> (2018) | _ | Star ratings | General feedback ratings | |
| Parra-Lopez et al. (2018) | A critical variable related to credibility, reliability and coherence which influences the value and service perceived by a user | _ | - | |
| Rodríguez-Díaz et al. (2018) | A set of opinions, experiences, and evaluations of customers shared on websites about a product, service, or brand; It is currently one of the most important topics in defining hotels' marketing strategy; It is out of the scope of companies because it is an external factor; the communicative and interactive processes for spreading information exchanged by actors within a social network | Service quality; Price (perceived value); Category (Booking.com); Service quality, Price (perceived value), Category (TripAdvisor); Service quality; Price; Category (percentage recommendation) (HolidayCheck) | Composed index | |
| Wang and Kim (2018) | _ | The number of buyers who gave the latest positive feedback minus the number of those who gave the latest negative feedback | General feedback ratings | |
| Xie et al. (2018) | Aggregate online marketing performance indicator | Aggregate ratings of online reviews: Consumer reviews - Averatings: Average ratings of reviews for hotel quality in a given quarter, with the value of 5 for | General feedback ratings | |
| | | | (continued) | Table VIII. |



| JRIM 13,4 | | | | Index |
|--------------|--------------|-------------------|---|---------------------|
| | Authors | Conceptualization | Adopted index | categorization |
| 566 | Yang and Leu | mg – | "Excellent," 4 for "Very Good," 3 for "Average," 2 for "Poor," and 1 for "Terrible." Review valence; Review volume | General |
| | (2018) | | | feedback ratings |
| Table VIII. | Source: Our | elaboration | | |

total number of online downloads of a product; online consumers review ratings; percentage of positive online feedback; the whole group of reviews available through social media channels; the position in the TripAdvisor's ranking; star rating; guest review score; number of positive, negative and medium codes; and the valence of user-generated online reviews (average review rating).

Conversely, further researches (Gupta *et al.*, 2017; Micera and Crispino, 2017; Lin *et al.*, 2016; Reuber and Fischer, 2011) proposed composed online reputation indexes comprise multiple measurements. Table VIII provides a detailed description of them.

3.2.7 Online presence, online visibility, and online reputation declinations and interactions. Alongside the extraction of the possible definitions and measurements of the online presence, visibility and reputation concepts, the content analysis process also allowed to identify specific declinations and connections existing between them.

For what concerns the declination dimension, Table IX lists, for each construct, specific declinations emerged from the literature describing the online presence, visibility and reputation constructs (e.g. social media presence, website visibility and social media reputation).

Concerning the interaction perspective, the analysis enabled to point out two major connections existing between the investigated concepts: the online presence-online visibility and online visibility-online reputation relationships.

With respect to the first interaction, several authors (Raguseo et al., 2017; Otero et al., 2014; Smithson et al., 2011; Chua et al., 2009; Murphy and Scharl, 2007; Chen and Yen, 2004) identified a sequence relationship between online presence and online visibility. In

| Online presence | Online visibility | Online reputation |
|--|---|---|
| Digital presence Website presence Social media presence Offline/online presence | Website visibility Social media visibility | Website reputation Social media reputation Online reputation management Online reputation systems Online reputation systems' problems Online reputation mechanisms Online reputation scores Online reputational ratings/reviews |
| Source: Our elaboration | | |

Table IX.
Online presence,
online visibility and
online reputation
declinations



particular, these concepts have been considered as two subsequent stages of the internet adoption.

Indeed, in their work, Raguseo *et al.* (2017) stated that the online presence, on its own, does not represent a competitive advantage since it is potentially accessible by any organization and consequently not sufficient to attract profitable customers. According to Smithson *et al.* (2011) and Chua *et al.* (2009), the competitive advantage lies in the way the internet existence is managed. For organizations (as well as any other online player) with an online presence, the subsequent challenge should be to increase the flow of traffic to their online contact points (e.g. websites and social media), with the final aim of intensifying their online visibility and then their sales.

Overall, even if an effective online presence is vital for the internet's success, having a technology represents only a first stage of organizational diffusion. Players, in later phases of the internet adoption, should promote their online spaces to achieve higher search engine rankings, yielding more online visibility, and subsequent internet traffic (Murphy and Scharl, 2007).

By focusing on the second interaction (online visibility-online reputation), also, in this case, a relationship of natural succession emerges between the two constructs (Reuber and Fischer, 2011; Smithson *et al.*, 2011; Chua *et al.*, 2009; Murphy and Scharl, 2007). More specifically, once firms enter in the online environment (online presence), the intensification of their online visibility through the flow of traffic to their official websites and social media (Chua *et al.*, 2009) is not enough. Even if a key stage is pointing the user towards the firm's online spaces, then the design and information provided must be appealing (online reputation) (Smithson *et al.*, 2011). Online reputation represents, in fact, a valuable resource in the internet environment since players with a positive reputation are more attractive to investors, customers, suppliers or employees. This attractiveness can lead to price, cost, and performance advantages that may persist over time (Reuber and Fischer, 2011).

In other words, according to the business and management literature, the online presence, visibility and reputation concepts represent three successive phases of the internet adoption. The first step consists in accessing the network through the establishment of an online presence (e.g. websites and social media), which should be then promoted to increase the online visibility and traffic. Once users are attracted towards the online contact points, the task of retaining and positively influencing potential customers is assigned to the online reputation, which can yield different categories of advantages, especially in terms of price, performance and sales.

Table X synthetizes all the interactions extracted from the investigated literature.

4. Discussion, conclusions and future research needs

Through the adoption of the literature review and content analysis process, the present study tried to systematize all the papers devoted to the online presence, visibility and reputation concepts from a business and management perspective.

To answer RQ1, the study highlighted the absence of the three investigated topics in the keywords of the top-ten journals. Thus, the subsequent adoption of the systematic literature review (focused on all the business and management papers) allowed to generalize the analysis. Starting from this generalization, a significant interest emerges toward the online presence topic (with 106 articles dedicated to it), followed by the online reputation (n = 80) and online visibility (n = 13) constructs.

In terms of temporal distribution, for all the analyzed research streams, the literature's interest has grown especially in the last five years (2014-2018), thus confirming the



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|--------------|
| |

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| Authors | interactions | interactions |
|---------------------------------|--|---|
| Chen and Yen (2004) | Benefits of adding interactivity to a website include improved user satisfaction and a possible increase in site visibility; Prioritizing and strategically selecting the candidate features may help firms sustain a | |
| Murphy and Scharl (2007) | competitive online presence Having a technology represents an early stage of organizational diffusion. Companies in later stages of internet adoption, for example, promote and redesign their websites to achieve higher search engine rankings, yielding more online visibility and subsequent website traffic | While higher search engine rankings lead to higher traffic (online visibility), the design and information provided lead to greater credibility and reputation for a website |
| Chua <i>et al</i> . (2009) | A subsequent marketing process challenge, for organizations, which do have an online presence, is understanding how to increase the flow of traffic to their website, increase their online visibility and hence increase sales | |
| Yayli and | In today's competitive market-place and | |
| Bayram (2010) | technology-driven society, just having a Web presence no longer brings visibility | |
| Reuber and Fischer (2011) | | There are two aspects of an online reputation: being visible online and being seen as providing high-quality goods and services; Online reputation involves both visibility and quality |
| Smithson et al. (2011) | | Online visibility alone is not enough. The first step is obviously pointing the user towards the firm's website, but then the design and information provided must be appealing |
| Otero <i>et al.</i> (2014) | It is important for a firm to carefully consider online presence. Having a website provides both a context for online commerce and a way to organize customers. | appearing. |

Online visibility-online reputation

Online presence-online visibility

Table X.

Online presence, online visibility and online reputation interactions Raguseo Online presence through a corporate

et al. (2017) website and search engines is not sufficient
for being visible and attracting profitable
customers; Online visibility as the ability to
attract more profitable customers

Therefore, a firm should be present on at least two important industry-relevant infomediaries to ensure its visibility, provide detailed information on its own website, and ultimately attract customers to its physical establishment for a final

Source: Our elaboration

increasing relevance of these topics for the recent business and management studies (Table II).

By focusing on RQ2, the adoption of the content analysis process allowed to investigate the definitional dimension related to the three research topics. In particular, the findings highlighted the absence of a clear and shared definition of online presence, visibility and reputation. However, even if the majority of the analyzed studies have dealt with these topics without introducing or defining them, a not insignificant percentage of articles has tried, on the contrary, to conceptualize them.

Notably, the online presence concept has been generally defined by several authors (Raguseo *et al.*, 2017; Rodríguez Domínguez *et al.*, 2011; Murphy and Scharl, 2007; Jackson, 2007; Torres *et al.*, 2006) as a fundamental precondition for the firms' success and competitiveness in the online sphere.

Conversely, from the analysis, a more accurate attempt to thoroughly define the online visibility concept emerged. In particular, the Drèze and Zufryden (2004) conceptualization has turned to be one of the most adopted by the business and management literature (Smithson *et al.*, 2011). However, despite the existence of this definition, more recent studies (Raisi *et al.*, 2018; Raguseo *et al.*, 2017; Lappas *et al.*, 2016; Charest and Bouffard, 2015; Reuber and Fischer, 2011; Smithson *et al.*, 2011) have tried to propose their own online visibility definition, thus leading to a proliferation of ever-new conceptualizations.

An evident fragmentation has also characterized the online reputation extractions, with the majority of studies focusing on specific aspects of this research stream. Dealing with this multi-faceted scenario, the article tried to combine and synthetize all the definitional extractions to propose a conceptual baseline useful for future researches.

Moreover, through the adoption of the content analysis process, the paper allowed identifying different declinations and interactions existing between the online presence, visibility and reputation concepts. Notably, some authors (Raguseo *et al.*, 2017; Otero *et al.*, 2014; Reuber and Fischer, 2011; Smithson *et al.*, 2011; Chua *et al.*, 2009; Murphy and Scharl, 2007; Chen and Yen, 2004) detected specific two-by-two connections between the investigated research streams. This finding is very interesting since it shows that the online presence, visibility and reputation constructs are not separate, but on the contrary, they are logically interconnected, thus creating a digital strategic management process (Figure 3).

Finally, for what concerns RQ3, the findings outlined how unanimously accepted indexes do not yet exist since there are not standardized scales widely recognized by researches (Horster, 2011; Smithson *et al.*, 2011). Despite this result, several authors tried to propose possible metrics. Faced with this scenario, the attempt of this article has been that of synthetizing all of them to combine the multiple proposed online presence, visibility and reputation indexes into specific categorizations (Figure 3).

Overall, to provide an additional stimulus to the debate, Figure 3 proposes a possible framework of synthesis. Notably, it summarizes:

- the most cited online presence, visibility and reputation definitions;
- all the interactions existing between them; and
- all the indexes categorizations emerged from the content analysis.

In particular, this framework is the result of the adoption of the following criteria:

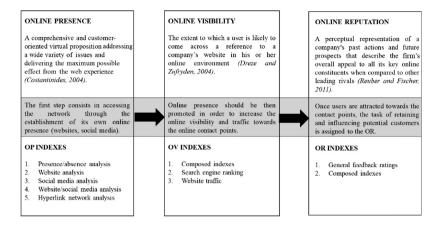


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Figure 3.
Theoretical framework

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• *Definitional dimension:* for each research stream, the definition with the highest number of citations has been selected since the ability to attract the attention of the scientific community represents a quality proxy (Kraus *et al.*, 2012; Garfield, 1979);

Source: Our elaboration

- Interactional dimension: all the interactions, emerged from the content analysis, have been completely and synthetically inserted.
- *Metrical dimension*: all the indexes categorizations, created to synthesize the multiple measurements proposed by the literature, have been included.

However, even if the adopted criteria allowed achieving a coherent theoretical framework, this cannot be considered a definitive result, but a starting point for future researches. Indeed, it does not include the online presence, visibility and reputation declinations emerged from the content analysis (Table IX). Conversely, the rich literature focused on such declinations (in particular, social media and website) may provide important elements for completing the theoretical framework proposed in this article. In the present study, these aspects have not been deepened since they go beyond the proposed objective (the identification of the existence or otherwise of possible definitions and metrics of the more general concepts of online presence, visibility and reputation). Nevertheless, since these declinations are of extreme interest, they should be the object of future research.

In addition, the article allowed to highlight further research prospects both theoretical and practical in nature.

Theoretically, given the extreme relevance assumed by the online topic in the everyday business practices, such as the growing investments in digital communication (Tiago and Veríssimo, 2014), the increasing attention towards the online reviews (Xie *et al.*, 2014; Lee *et al.*, 2011), and the greater importance of evaluating, monitoring, and managing the online reputation (Hung *et al.*, 2012), it becomes fundamental to univocally conceptualize the online presence, visibility and



reputation constructs. To date, even if these concepts have been investigated by the literature (the review process identified 199 articles focused on these topics), they have not yet been uniquely defined. A potential motivation for this lack of systematization may be identified in the fact that the online thematic is not only extremely recent (the articles increased significantly since 2010), but also extremely rapid in its evolution, as well as not easy to circumscribe. Therefore, the business and management literature appears in a pre-paradigmatic phase (Kuhn, 1970), in which different definitional and methodological proposals are competing for the preference and scholars' attention.

In addition, the identification of shared definitions can generate a second research line applicative in nature. Indeed, the theoretical concepts of online presence, visibility and reputation can be converted into managerial tools with univocal measurements able to:

- constantly monitor and manage the online existence; and
- analyze and measure the existing correlations between firms' online presence, visibility and reputation and their standard performance metrics (e.g. sales trends, revenue levels and profitability indices).

Ultimately, these findings should be evaluated in light of the paper's limitations. Firstly, the study is limited to the analysis of the business and management literature and, to be generalized, it should also be extended to other subject areas. Moreover, the review has only considered two databases (Scopus and Web of Science) and journal articles and reviews. These criteria have determined the selection of scientific studies, by consequently leaving out managers and consultants' contributions. Therefore, future researches should also be extended to monographs.

Finally, the proposed framework represents a first theoretical-conceptual attempt, which should be:

- tested and verified by subsequent empirical research studies;
- completed by future studies focused on the analysis of the identified declinations of online presence, visibility and reputation; and
- inserted into a broader context (e.g. through the identification of the online presence, visibility and reputation antecedents and consequences).

Note

1. Electronic Commerce Research and Applications; International Journal of Electronic Commerce; International Journal of Internet Marketing and Advertising; International Journal of Online Marketing; Internet Research; Journal of Direct, Data and Digital Marketing Practice; Journal of Electronic Commerce Research; Journal of Interactive Marketing; Journal of Internet Commerce; and Journal of Research in Interactive Marketing.

References

Abrate, G. and Viglia, G. (2016), "Strategic and tactical price decisions in hotel revenue management", *Tourism Management*, Vol. 55, pp. 123-132.

AbuGhazaleh, N.M., Qasim, A. and Haddad, A.E. (2012), "Perceptions and attitudes toward corporate website presence and its use in investor relations in the Jordanian context", *Advances in Accounting*, Vol. 28 No. 1, pp. 1-10.



- Anderson, C.K. and Lawrence, B. (2014), "The influence of online reputation and product heterogeneity on service firm financial performance", *Service Science*, Vol. 6 No. 4, pp. 217-228.
- Aringhieri, R., Duma, D. and Fragnelli, V. (2018), "Modeling the rational behavior of individuals on an e-commerce system", *Operations Research Perspectives*, Vol. 5, pp. 22-31.
- Aureli, S. and Supino, E. (2017), "Online reputation monitoring: an exploratory study on Italian hotel managers' practices", *International Journal of Hospitality and Tourism Administration*, Vol. 18 No. 1, pp. 84-109.
- Baka, V. (2016), "The becoming of user-generated reviews: looking at the past to understand the future of managing reputation in the travel sector", *Tourism Management*, Vol. 53, pp. 148-162.
- Bakos, Y. and Dellarocas, C. (2011), "Cooperation without enforcement? A comparative analysis of litigation and online reputation as quality assurance mechanisms", *Management Science*, Vol. 57 No. 11, pp. 1944-1962.
- Ban, O. and Popa, A.L. (2015), "Investigating digital divide in travel distribution: the use of internet and new media technologies in travel agencies of Bihor, Romania", *Turizam: Međunarodni Znanstveno-Stručni Časopis*, Vol. 63 No. 4, pp. 479-496.
- Banerjee, S., Bhattacharyya, S. and Bose, I. (2017), "Whose online reviews to trust? Understanding reviewer trustworthiness and its impact on business", *Decision Support Systems*, Vol. 96, pp. 17-26.
- Blomberg-Nygard, A. and Anderson, C.K. (2016), "United nations world tourism organization study on online guest reviews and hotel classification systems: an integrated approach", *Service Science*, Vol. 8 No. 2, pp. 139-151.
- Calefato, F., Lanubile, F. and Novielli, N. (2015), "The role of social media in affective trust building in customer–supplier relationships", *Electronic Commerce Research*, Vol. 15 No. 4, pp. 453-482.
- Carrizales, T., Melitski, J., Manoharan, A. and Holzer, M. (2011), "E-governance approaches at the local level: a case study in best practice", *International Journal of Public Administration*, Vol. 34 No. 14, pp. 935-945.
- Charest, F. and Bouffard, J. (2015), "The characteristics of the e-influence of community managers: issues for the e-reputation of organizations", *Public Relations Review*, Vol. 41 No. 2, pp. 302-304.
- Chen, K. and Yen, D.C. (2004), "Improving the quality of online presence through interactivity", Information and Management, Vol. 42 No. 1, pp. 217-226.
- Chua, A., Deans, K. and Parker, C. (2009), "Exploring the types of SMEs which could use blogs as a marketing tool: a proposed future research agenda", Australiasian Journal of Information Systems, Vol. 16 No. 1, pp. 117-136.
- Cioppi, M., Curina, I., Forlani, F. and Pencarelli, T. (2016), "La visibilità online delle imprese alberghiere: un possibile modello di misurazione", *Piccola Impresa*/Small Business, No. 1, pp. 78-98.
- Constantinides, E. (2004), "Influencing the online consumer's behavior: the web experience", *Internet Research*, Vol. 14 No. 2, pp. 111-126.
- Cormode, G. and Krishnamurthy, B. (2008), "Key differences between web 1.0 and web 2.0", First Monday, Vol. 13 No. 6, pp. 1-30.
- De Bakker, F.G. and Hellsten, I. (2013), "Capturing online presence: hyperlinks and semantic networks in activist group websites on corporate social responsibility", *Journal of Business Ethics*, Vol. 118 No. 4, pp. 807-823.
- De Jong, M.D. and Wu, Y. (2018), "Functional complexity and web site design: evaluating the online presence of UNESCO world heritage sites", *Journal of Business and Technical Communication*, Vol. 32 No. 3, pp. 347-372.



Literature

review in

studies

management

- De Pelsmacker, P., Van Tilburg, S. and Holthof, C. (2018), "Digital marketing strategies, online reviews and hotel performance", *International Journal of Hospitality Management*, Vol. 72, pp. 47-55.
- Dellarocas, C. (2010), "Online reputation systems: how to design one that doeswhatrou need", MIT Sloan Management Review, Vol. 51 No. 3, pp. 33-38.
- Diana-Jens, P. and Ruibal, A.R. (2015), "Online reputation and its impact on hotel pricing strategies", Cuadernos de Turismo, Vol. 36, pp. 453-456.
- Díaz, M.R. and Rodríguez, T.F.E. (2018), "Determining the reliability and validity of online reputation databases for lodging: Booking.com, TripAdvisor, and HolidayCheck", *Journal of Vacation Marketing*, Vol. 24 No. 3, pp. 261-274.
- Diéguez-Soto, J., Fernández-Gámez, M.A. and Sánchez-Marín, G. (2017), "Family involvement and hotel online reputation", *BRQ Business Research Quarterly*, Vol. 20 No. 3, pp. 151-163.
- Domínguez-Falcón, C., Verano-Tacoronte, D. and Suárez-Fuentes, M. (2018), "Exploring the customer orientation of Spanish pharmacy websites", *International Journal of Pharmaceutical and Healthcare Marketing*, Vol. 12 No. 4, pp. 447-462.
- Drèze, X. and Zufryden, F. (2004), "Measurement of online visibility and its impact on internet traffic", *Journal of Interactive Marketing*, Vol. 18 No. 1, pp. 20-37.
- Elsaid, A.M.M. and Knight, M.B. (2007), "The effects of corporate social responsibility and online reputation on consumer decisions", *International Journal of Electronic Marketing and Retailing*, Vol. 1 No. 4, pp. 339-354.
- Floreddu, P.B. and Cabiddu, F. (2016), "Social media communication strategies", *Journal of Services Marketing*, Vol. 30 No. 5, pp. 490-503.
- Garfield, E. (1979), "Is citation analysis a legitimate evaluation tool?", Scientometrics, Vol. 1 No. 4, pp. 359-375.
- Gössling, S., Hall, C.M. and Andersson, A.C. (2018), "The manager's dilemma: a conceptualization of online review manipulation strategies", *Current Issues in Tourism*, Vol. 21 No. 5, pp. 484-503.
- Graham, G. and Greenhill, A. (2013), "Exploring interaction: print and online news media synergies", Internet Research, Vol. 23 No. 1, pp. 89-108.
- Gupta, R., Ponnuru, K., Kumar, A. and Trivedi, S.K. (2017), "Factors identification of online reputation and relationship with trust: a study of generation Y", *International Journal of Business Information Systems*, Vol. 26 No. 2, pp. 151-165.
- Hagsten, E. and Kotnik, P. (2017), "ICT as facilitator of internationalisation in small and mediumsized firms", *Small Business Economics*, Vol. 48 No. 2, pp. 431-446.
- Horster, E. (2011), "The influence of travel company reputation on online travel decisions", E-Review of Tourism Research, Vol. 9 No. 3, pp. 107-113.
- Hung, Y.H., Huang, T.L., Hsieh, J.C., Tsuei, H.J., Cheng, C.C. and Tzeng, G.H. (2012), "Online reputation management for improving marketing by using a hybrid MCDM model", *Knowledge-Based Systems*, Vol. 35, pp. 87-93.
- Jackson, N. (2007), "Political parties, the internet and the 2005 general election: third time lucky?", Internet Research, Vol. 17 No. 3, pp. 249-271.
- Kitchenham, B. (2004), "Procedures for performing systematic reviews", Technical report TR/SE-0401, Keele University.
- Könsgen, R., Schaarschmidt, M., Ivens, S. and Munzel, A. (2018), "Finding meaning in contradiction on employee review sites—effects of discrepant online reviews on job application intentions", *Journal of Interactive Marketing*, Vol. 43, pp. 165-177.
- Kraus, S., Filser, M., Eggers, F., Hills, G.E. and Hultman, C.M. (2012), "The entrepreneurial marketing domain: a citation and co-citation analysis", *Journal of Research in Marketing and Entrepreneurship*, Vol. 14 No. 1, pp. 6-26.



- Kuan, H.H. and Bock, G.W. (2007), "Trust transference in brick and click retailers: an investigation of the before-online-visit phase", *Information and Management*, Vol. 44 No. 2, pp. 175-187.
- Kuhn, T.S. (1970), The Structure of Scientific Revolutions, The University of Chicago Press, Chicago, IL.
- Lamberton, C. and Stephen, A.T. (2016), "A thematic exploration of digital, social media, and mobile marketing: research evolution from 2000 to 2015 and an agenda for future inquiry", *Journal of Marketing*, Vol. 80 No. 6, pp. 146-172.
- Lappas, T., Sabnis, G. and Valkanas, G. (2016), "The impact of fake reviews on online visibility: a vulnerability assessment of the hotel industry", *Information Systems Research*, Vol. 27 No. 4, pp. 940-961.
- Lee, K., Oh, W.Y. and Kim, N. (2013), "Social media for socially responsible firms: analysis of fortune 500's Twitter profiles and their CSR/CSIR ratings", *Journal of Business Ethics*, Vol. 118 No. 4, pp. 91-806.
- Lee, H.A., Law, R. and Murphy, J. (2011), "Helpful reviewers in TripAdvisor, an online travel community", *Journal of Travel and Tourism Marketing*, Vol. 28 No. 7, pp. 675-688.
- Li, X. (2016), "Could deal promotion improve merchants' online reputations? The moderating role of prior reviews", Journal of Management Information Systems, Vol. 33 No. 1, pp. 171-201.
- Liang, S., Schuckert, M., Law, R. and Chen, C.C. (2017), "Be a 'superhost': the importance of badge systems for peer-to-peer rental accommodations", *Tourism Management*, Vol. 60, pp. 454-465.
- Lilleker, D.G. and Jackson, N.A. (2013), "Reaching inward not outward: marketing via the internet at the UK 2010 general election", *Journal of Political Marketing*, Vol. 12 Nos 2/3, pp. 244-261.
- Lin, M., Liu, Y. and Viswanathan, S. (2016), "Effectiveness of reputation in contracting for customized production: evidence from online labor markets", *Management Science*, Vol. 64 No. 1, pp. 345-359.
- Lin, Z., Li, D., Janamanchi, B. and Huang, W. (2006), "Reputation distribution and consumer-to-consumer online auction market structure: an exploratory study", *Decision Support Systems*, Vol. 41 No. 2, pp. 435-448.
- Litvin, S.W., Goldsmith, R.E. and Pan, B. (2008), "Electronic word-of-mouth in hospitality and tourism management", *Tourism Management*, Vol. 29 No. 3, pp. 458-468.
- Manes Rossi, F., Nicolò, G. and Tartaglia Polcini, P. (2018), "New trends in intellectual capital reporting: exploring online intellectual capital disclosure in Italian universities", *Journal of Intellectual Capital*, Vol. 19 No. 4, pp. 814-835.
- Melo, A.J., Hernández-Maestro, R.M. and Muñoz-Gallego, P.A. (2017), "Service quality perceptions, online visibility, and business performance in rural lodging establishments", *Journal of Travel Research*, Vol. 56 No. 2, pp. 250-262.
- Meyer, E.T. and Schroeder, R. (2009), "The world wide web of research and access to knowledge", Knowledge Management Research and Practice, Vol. 7 No. 3, pp. 218-233.
- Micera, R. and Crispino, R. (2017), "Destination web reputation as 'smart tool' for image building: the case analysis of Naples city-destination", *International Journal of Tourism Cities*, Vol. 3 No. 4, pp. 406-423.
- Mich, L. and Hull, J.S. (2012), "Good practices for web presences strategies of tourism destinations", e-Review of Tourism Research, Vol. 10 No. 3.
- Moghavvemi, S., Ormond, M., Musa, G., Isa, C.R.M., Thirumoorthi, T., Mustapha, M.Z.B. and Chandy, J. J.C. (2017), "Connecting with prospective medical tourists online: a cross-sectional analysis of private hospital websites promoting medical tourism in India, Malaysia and Thailand", *Tourism Management*, Vol. 58, pp. 154-163.



Literature

- Murphy, J. and Scharl, A. (2007), "An investigation of global versus local online branding", International Marketing Review, Vol. 24 No. 3, pp. 297-312.
- Nicoli, N. and Papadopoulou, E. (2017), "TripAdvisor and reputation: a case study of the hotel industry in Cyprus", EuroMed Journal of Business, Vol. 12 No. 3, pp. 316-334.
- Novotny, A. and Spiekermann, S. (2017), "Oblivion of online reputation: how time cues improve online recruitment", *International Journal of Electronic Business*, Vol. 13 Nos 2/3, pp. 183-204.
- Otero, E.L., Gallego, P.A.M. and Pratt, R.M. (2014), "Click-and-mortar SMEs: attracting customers to your website", *Business Horizons*, Vol. 57 No. 6, pp. 729-736.
- Panagiotopoulos, P. (2012), "Towards unions 2.0: rethinking the audience of social media engagement", New Technology, Work and Employment, Vol. 27 No. 3, pp. 178-192.
- Pant, G. and Pant, S. (2018), "Visibility of corporate websites: the role of information prosociality", Decision Support Systems, Vol. 106, pp. 119-129.
- Papagiannidis, S., Stamati, T. and Behr, H. (2013), "Online engagement and impact: the case of Greek politicians during the financial crisis", *International Journal of E-Business Research (Research)*, Vol. 9 No. 4, pp. 47-66.
- Parra-Lopez, E., Martínez-González, J.A. and Chinea-Martin, A. (2018), "Drivers of the formation of e-loyalty towards tourism destinations", *European Journal of Management and Business Economics*, Vol. 27 No. 1, pp. 66-82.
- Pomirleanu, N., Schibrowsky, J.A., Peltier, J. and Nill, A. (2013), "A review of internet marketing research over the past 20 years and future research direction", *Journal of Research in Interactive Marketing*, Vol. 7 No. 3, pp. 166-181.
- Powell, W.W., Horvath, A. and Brandtner, C. (2016), "Click and mortar: organizations on the web", Research in Organizational Behavior, Vol. 36, pp. 101-120.
- Pranić, L., Garbin Praničević, D. and Arnerić, J. (2014), "Hotel website performance: evidence from a transition country", *Tourism and Hospitality Management*, Vol. 20 No. 1, pp. 45-60.
- Raguseo, E., Neirotti, P. and Paolucci, E. (2017), "How small hotels can drive value their way in infomediation: the case of 'Italian hotels vs. OTAs and TripAdvisor", *Information and Management*, Vol. 54 No. 6, pp. 745-756.
- Raisi, H., Baggio, R., Barratt-Pugh, L. and Willson, G. (2018), "Hyperlink network analysis of a tourism destination", *Journal of Travel Research*, Vol. 57 No. 5, pp. 671-686.
- Ramos, C.M., Martins, D.J., Serra, F., Lam, R., Cardoso, P.J., Correia, M.B. and Rodrigues, J.M. (2017), "Framework for a hospitality big data warehouse: the implementation of an efficient hospitality business intelligence system", *International Journal of Information Systems in the Service Sector* (IIISSS). Vol. 9 No. 2, pp. 27-45.
- Reuber, A.R. and Fischer, E. (2011), "International entrepreneurship in internet-enabled markets", Journal of Business Venturing, Vol. 26 No. 6, pp. 660-679.
- Reuber, A.R. and Fischer, E. (2009), "Signalling reputation in international online markets", *Strategic Entrepreneurship Journal*, Vol. 3 No. 4, pp. 369-386.
- Rice, S.C. (2012), "Reputation and uncertainty in online markets: an experimental study", *Information Systems Research*, Vol. 23 No. 2, pp. 436-452.
- Rodríguez-Díaz, M., Rodríguez-Díaz, R. and Espino-Rodríguez, T. (2018), "Analysis of the online reputation based on customer ratings of lodgings in tourism destinations", *Administrative Sciences*, Vol. 8 No. 3, pp. 1-18.
- Rodríguez Domínguez, L., García Sánchez, I.M. and Gallego Álvarez, I. (2011), "Determining factors of e-government development: a worldwide national approach", *International Public Management Journal*, Vol. 14 No. 2, pp. 218-248.
- Schuckert, M., Liu, X. and Law, R. (2016), "Insights into suspicious online ratings: direct evidence from TripAdvisor", *Asia Pacific Journal of Tourism Research*, Vol. 21 No. 3, pp. 259-272.



- Scott Rader, C., Subhan, Z., D. Lanier, C., Brooksbank, R., Yankah, S. and Spears, K. (2014), "CyberRx: emerging social media marketing strategy for pharmaceuticals", *International Journal of Pharmaceutical and Healthcare Marketing*, Vol. 8 No. 2, pp. 193-225.
- Sebastião, S.P. (2013), "Portuguese PR consultancy websites: content and presence", *Public Relations Review*, Vol. 39 No. 5, pp. 584-586.
- Shaltoni, A.M. (2017), "From websites to social media: exploring the adoption of internet marketing in emerging industrial markets", *Journal of Business and Industrial Marketing*, Vol. 32 No. 7, pp. 1009-1019.
- Shen, W., Hu, Y.J. and Ulmer, J.R. (2015), "Competing for attention: an empirical study of online reviewers' strategic behavior", MIS Quarterly, Vol. 39 No. 3, pp. 683-696.
- Singh, D.K., Kumar, A. and Dash, M.K. (2016a), "Using analytic hierarchy process to develop hierarchy structural model of consumer decision making in digital market", Asian Academy of Management Journal, Vol. 21 No. 1, pp. 111-136.
- Singh, D.K., Dash, M.K. and Kumar, A. (2016b), "Using TOPSIS and modified TOPSIS methods for evaluating the competitive advantages of internet shopping malls", *International Journal of Business Information Systems*, Vol. 22 No. 4, pp. 476-494.
- Smithson, S., Devece, C.A. and Lapiedra, R. (2011), "Online visibility as a source of competitive advantage for small – and medium-sized tourism accommodation enterprises", *The Service Industries Journal*, Vol. 31 No. 10, pp. 1573-1587.
- Stewart, T.S. and Marcketti, S.B. (2012), "Textiles, dress, and fashion museum website development: strategies and practices", Museum Management and Curatorship, Vol. 27 No. 5, pp. 523-538.
- Tiago, M.T.P.M.B. and Verissimo, J.M.C. (2014), "Digital marketing and social media: why bother?", Business Horizons, Vol. 57 No. 6, pp. 703-708.
- Tiago, M.T.B., Couto, J.P.A., Tiago, F.B. and Cabral Vieira, J.A. (2007), "Internet marketing adoption: factors affecting website sophistication", *International Journal of Electronic Customer Relationship Management*, Vol. 1 No. 3, pp. 287-306.
- Torres, L., Pina, V. and Acerete, B. (2006), "E-governance developments in European union cities: reshaping government's relationship with citizens", *Governance*, Vol. 19 No. 2, pp. 277-302.
- Tranfield, D., Denyer, D. and Smart, P. (2003), "Towards a methodology for developing evidence-informed management knowledge by means of systematic review", *British Journal of Management*, Vol. 14 No. 3, pp. 207-222.
- Veil, S.R., Petrun, E.L. and Roberts, H.A. (2012), "Issue management gone awry: when not to respond to an online reputation threat", Corporate Reputation Review, Vol. 15 No. 4, pp. 319-332.
- Wang, Z. and Kim, Y. (2018), "How marketing factors influence online browsing and sales: evidence from china's E-Commerce market", *Journal of Applied Business Research (JABR)*, Vol. 34 No. 2, pp. 253-264.
- Wilson, R.J. (2011), "Behind the scenes of the museum website", *Museum Management and Curatorship*, Vol. 26 No. 4, pp. 373-389.
- Xie, K.L. and So, K.K.F. (2018), "The effects of reviewer expertise on future reputation, popularity, and financial performance of hotels: insights from data-analytics", *Journal of Hospitality and Tourism Research*, Vol. 42 No. 8, pp. 1187-1209.
- Xie, K.L., Zhang, Z. and Zhang, Z. (2014), "The business value of online consumer reviews and management response to hotel performance", *International Journal of Hospitality Management*, Vol. 43, pp. 1-12.
- Yang, Y. and Leung, X.Y. (2018), "A better last-minute hotel deal via app? Cross-channel price disparities between HotelTonight and OTAs", *Tourism Management*, Vol. 68, pp. 198-209.



Yayli, A. and Bayram, M. (2010), "Web-based destination marketing: do official city culture and tourism websites' in Turkey consider international guidelines?", Turizam: Međunarodni Znanstveno-Stručni Časopis, Vol. 58 No. 1, pp. 51-60.

Ye, S., Gao, G. and Viswanathan, S. (2014), "Strategic behavior in online reputation systems: evidence from revoking on eBay", MIS Quarterly, Vol. 38 No. 4, pp. 1033-1056.

Yoganarasimhan, H. (2013), "The value of reputation in an online freelance marketplace", Marketing Science, Vol. 32 No. 6, pp. 860-891.

You, L. and Sikora, R. (2014), "Performance of online reputation mechanisms under the influence of different types of biases", *Information Systems and e-Business Management*, Vol. 12 No. 3, pp. 417-442.

Zhou, M., Dresner, M. and Windle, R.J. (2008), "Online reputation systems: design and strategic practices", Decision Support Systems, Vol. 44 No. 4, pp. 785-797.

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