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1 Title page

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3	Impacts of Tourism on Coastal Areas
4	
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17 Impact statement

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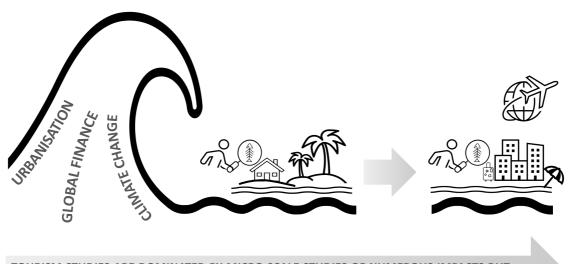
19 Coastal tourism is often seen as an important part of an economic development strategy.

20 However, most highly cited papers suggest that economic benefits are unequally distributed

- 21 between tourism investors and resident communities. The highly cited papers also often
- 22 reflected negative local environmental and social impacts. Furthermore, some global sector
- reviews describe the tourism enterprise as a guise for property development and investment
- 24 speculation, without a long-term commitment to local peoples or place. The changing nature
- 25 of the global tourism enterprise has implications for the way that tourism is examined
- 26 (historically focused on local impacts from specific tourism operations) and for how tourism
- 27 is considered within the context of integrated coastal zone management and sustainable
- 28 development.

29 Graphical abstract





TOURISM STUDIES ARE DOMINATED BY MICRO SCALE STUDIES OF NUMEROUS IMPACTS BUT OFTEN IGNORE MACRO SCALE DRIVERS RESHAPING COMMUNITIES

33 Abstract

34

The socioeconomics of the Anthropocene are exposing coastal regions to multiple pressures, 35 36 including climate change hazards, resource degradation, urban development, and inequality. Tourism is often raised as either a panacea to, or exacerbator of, such threats to ecosystems 37 38 and sustainable livelihoods. To better understand the impacts of tourism on coastal areas, Scopus and Web of Science databases were searched for the top-100 cited papers on coastal 39 40 tourism. Web of Science suggested 'highly cited' papers were also included to allow for more recent high impact papers. Of the papers retrieved, forty-four focused on the impacts of 41 42 tourism. Social/cultural and environmental impacts were viewed as mostly negative, while 43 economic impacts were viewed as mostly positive but only of actual benefit to a few. In addition, when compared with recent whole-of-sector reviews and reports it was evident that 44 45 coastal tourism is increasingly a global enterprise dominated by large corporations that leverage various interests across local to transnational scales. Through this global enterprise, 46 47 even the positive economic benefits identified were overshadowed by a broader system of land and property development fuelling local wealth inequity and furthering the interests of 48 49 offshore beneficiaries. Only two highly cited papers discussed tourism within a broader 50 context of integrated coastal zone management, suggesting that tourism is mostly assessed as 51 a discrete sector within the coastal zone and peripheral to other coastal management 52 considerations or the global tourism sector as a whole. The findings have relevance to the holistic management of coasts, coastal tourism, and the achievement of sustainable 53 54 development goals in a way that considers the increasing threats from coastal hazards, resource extraction and urbanisation, as well as the pervasive impacts of international 55 56 business systems from local to global scales. 57 58

59 Social media summary

60

61 Coastal tourism studies focus on isolated micro issues at the expense of understanding macro62 sector trends.

63 Image for thumbnail

64



- 65
- 66
- 67 Key words
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- 69 Tourism; coastal management; sustainable development; poverty; inequity
- 70

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72 Introduction

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74 Many economic development strategies for coastal regions throughout the world include tourism as part of the solution (Becker, 2013; Fahimi et al., 2018; Faber and Gaubert, 2019). 75 76 These strategies place tourism as a potential panacea to the improvement of national and regional economies, through to sustainable livelihoods at the community scale (Cortés-77 Jiménez, 2008; Zhou, 2020). However, these strategies are not based on a holistic 78 understanding of the impacts of tourism on social, cultural, economic, or environmental 79 80 domains. Instead, they tend to focus on short-term inputs of capital in the form of land 81 development and projections of tourist expenditure, which may appear in national accounts of 82 GDP, but are unlikely to benefit local communities in the long term (Lange, 2015; Martasuganda et al., 2020). In 2012, Buckley identified that the '[tourism] industry is not yet 83 84 close to sustainability' (p. 528) based on an evaluation of the tourism contributions to sustainable development. As coastal regions continue to be exposed to multiple threats such 85 86 as climate change, resource degradation, and urbanisation (Nunn et al., 2021), the mechanisms for achieving sustainable development and building social-ecological resilience 87 88 are ever more important. Following from the work of Buckley (2012) and others, this paper 89 takes a critical view of the role of tourism in achieving these aims and contributes to a better 90 understanding of the impacts of tourism on coastal social-ecological systems. 91

93 Methods

94

To examine the role of tourism in achieving sustainable development and resilience in coastal 95 96 areas, the impacts of tourism on society, economy and environment were explored through an analysis of highly cited literature. The Web of Science (WoS) and Scopus databases were 97 searched using the search string "touris*" AND "coast*" in title, abstract, keywords (Scopus) 98 or TOPIC (WoS), with no date limitation. The results were ordered by number of citations, 99 with top 100 cited journal papers from each database exported for review. The top 100 cited 100 papers from Scopus ranged from 152 to 3,688 citations. The top 100 cited papers from WoS 101 102 ranged from 163 and 3,607 citations. 103 104 In addition, WoS "highly cited" (WoSHC) journal papers (i.e., papers that perform in the top 105 1% based on the number of citations when compared to other papers published in the same field in the same year) were included in the review to ensure highly cited papers were not 106 107 biased by date of publication. The WoSHC papers were published between 2011 and 2021 and cited between 8 and 871 times. The three exports (top 100 Scopus, top 100 from WoS, 60 108 109 WoSHC) were combined and duplicates were removed, leaving 164 unique papers for 110 review. Title and abstracts were reviewed, and inclusion and exclusion criteria applied (Table 111 1). 72 highly cited papers addressing aspects of tourism in coastal areas remained. 112

113 Table 1: Inclusion and exclusion criteria for highly cited paper selection

Inclusion	Exclusion
Peer-reviewed journal article	Book, book chapter, conference paper
Tourism is integral to the focus	Tourism incidental to the focus
The coast is integral to the focus	The coast incidental to the focus

- 115 Our analysis focused on understanding whether tourism has a positive or negative impact on
- 116 coastal social-ecological systems. The literature was therefore screened to distinguish
- between papers that focused on the impacts of tourism on social-ecological systems (e.g., the
- 118 contribution of tourism to plastic pollution in coastal areas) versus those that addressed socio-
- 119 ecological impacts on tourism (e.g., the impacts of climate change on tourist visitation
- 120 levels). Forty-four papers focussed on the impacts of tourism, 24 on the impacts on tourism,

- 121 with four papers not addressing either (e.g., generating a profile of tourists or developing
- 122 indicators of sustainable tourism) (Table 2).
- 123

	Scopus top 100	Additional unique papers from WoS top 100	Additional unique papers from WoSHC (60)	Total
Impacts of tourism	35	4	5	44
Impacts on tourism	13	3	8	24
Other	3	-	1	4

124 Table 2: Categorisation of the 72 highly cited papers addressing coastal tourism

125

126 Sentiment analysis was manually performed on the 44 papers addressing impacts of tourism on coastal regions to determine the polarity of each paper (positive, negative, mixed, or 127 128 neutral). Each paper was reviewed and references to the impacts of tourism across the themes of: (i) society; (ii) economy; and (iii) environment, were recorded as either positive, negative, 129 130 neutral or mixed (i.e., in instances where both positive and negative impacts of tourism were 131 reported for the theme). Manual sentiment analysis was adopted over automative programs to improve accuracy (van Ateveldt et al., 2021; Boukes et al., 2020). In addition, to explore 132 whether highly cited coastal tourism literature considered the impacts of tourism within the 133 broader context of integrated coastal zone management (ICZM), the 44 articles were searched 134 135 for terms relating to integrated management (i.e., ICZM, integrated, and management). Finally, the analysis was compared with the findings of whole-of-sector reviews and reports, 136 including grey literature, on the tourism sector (e.g., Buckley, 2012; and Honey and Krantz, 137 138 2007) identified through Google Scholar to situate the findings within macro trends. 139 140 141 **Results and discussion** 142

Sentiment analysis focused on the impacts of tourism on social, economic, or environmentalconditions. As only three of the 44 papers referred to cultural impacts (Saveriades, 2000;

145 Almeida-Garcia et al., 2016; Cuadrado-Ciuraneta et al., 2017; Grilli et al., 2021) and often 146 combined social and cultural factors in their discussion, these papers were included in the 147 'social' category for analysis. Negative sentiment was present in 84% of papers, compared to 52% identifying a positive impact of tourism (Table 3). However, negative sentiment was 148 149 strongest when relating to social and environmental conditions. More specifically, none of the 35 papers that discussed environmental conditions expressed solely positive sentiment, and 150 151 only 17% showed mixed sentiment. Beyond the review, other papers have also explained that positive environmental impacts may be perceived rather than proven. For example, Diedrich 152 153 (2007) states that some coral reefs may be perceived to be less impacted by a transition from 154 extractive fishing towards tourism but that these assumptions may not be based on measured 155 improvements. Of the papers that focused on environmental impacts, those impacts were often narrowly defined such as an impact on a specific species. For example, dolphins (e.g., 156 Constantine et al., 2004; Lusseau, 2004), penguins (e.g., Ellenberg et al., 2007), and coral 157 reefs (e.g., Zakai et al., 2002; Barker and Roberts, 2004). Moreover, the extensive range of 158 159 environmental impacts is likely to have prevented their inclusion on the highly cited list (e.g., 160 land cover change, wastewater discharge, land and marine litter, air pollution, and water and 161 energy consumption).

162

Table 3: Sentiment analysis of the 44 highly cited papers that focused on the impacts of tourism on coastal regions

	Negative sentiment	Positive sentiment	Mixed sentiment	Neutral sentiment	Not addressed
Social	8	4	5	1	26
Economic	2	19	3	1	19
Environmental	27	0	6	2	9
	84%	52%	32%	9%	

165

166 The focus on specific impacts also partly explains the limited consideration of integrated 167 management solutions, and that only two of the papers considered tourism within a broader 168 context of ICZM. For example, while the results of the studies such as plastic pollution in 169 coastal waters near tourist sites have management implications, the authors generally do not 170 discuss integrated management. Instead, they seek to understand and recommend specific 171 actions in relation to that specific impact such as variation in levels of marine plastic pollution based on tourism intensity and ways to address it in isolation. However, of the two
papers that did consider ICZM, both included recognition of environmental impacts. None of
the papers that focused on social or economic issues considered tourism within the context of
ICZM.

176

In contrast to papers focused on environmental and social impacts, positive sentiment was 177 178 evident in 76% of papers that discussed economic conditions. However, 'economy' was often vaguely defined with little detail on specific economic contributions, and where it was 179 180 defined, it was largely discussed in terms of short-term inputs of capital, projections of employment opportunities for local residents, or estimates of tourism expenditure. 181 182 Notwithstanding that in specific cases, tourism can account for a substantial proportion of income for some communities, only a marginal proportion of the overall tourism revenue 183 reaches those communities (Sandbrook, 2008; Campbell, 1999), which is particularly true in 184 developing contexts (Lacher and Nepal, 2010). 185

186

187 While several papers indicate significant perceived impacts (positive and negative) on social and/or economic conditions, the quantification of change in condition (e.g. income, 188 189 employment, access to amenity, and congestion) is scarce among the highly cited papers. 190 Liburd et al., (2012) also point out that positive perceptions can differ to actual impacts and 191 found that while tourism 'has the potential to contribute to enhanced QOL [Quality of Life] through economic benefits ... this can be at the expense of social equity, cultural identity, and 192 193 environmental sustainability'. Overall, there has been wide recognition of the need to ensure tourism is locally beneficial rather than impactful and has resulted in the development of a 194 195 range of related concepts, from Community Benefit Tourism Initiatives (Simpson, 2008) to 196 Pro Poor Tourism (Ashley and Haysom, 2006). This recognition has been in part spawned by 197 Murphy's (1985) seminal book, which proposed that tourism development should respond to local needs and led to numerous studies in this area in a range of contexts. For example, 198 Ashley and Jones (2001) discuss joint ventures between communities and tourist operators in 199 Namibia. However, many of these studies tend to focus on business arrangements and profit 200 sharing, rather than addressing broader long-term issues for affected communities. For 201 example, Gulp (2021), identifies some deeper impacts of tourism on communities such as the 202 commodification of culture and displacement. 203

205 Honey and Krantz's (2007) report on 'Global Trends in Coastal Tourism' provide a more far-206 reaching perspective on the tourism sector, highlighting that economic impacts occur most 207 significantly through land development. Furthermore, Honey and Krantz note that land development under the guise of tourism development is largely a short-term speculative 208 209 investment that does not result in a sustained commitment to the community, environment, or 210 economy on the part of the developer. In addition, once the land development is complete and 211 sold, the longer-term impacts of the development such as environmental degradation are usually unable to be compensated by the original developer. Honey and Krantz also found 212 213 that this pattern is repeated throughout the world in both developing and developed world contexts, stating that 'Corruption and cronyism, although difficult to document, is said to play 214 215 an important role in coastal and cruise tourism decision-making, in both first and third world countries' (p. 13). These findings are reinforced by Buckley (2012), who found that political 216 217 approaches are used to gain access to public spaces and natural resources. More recently, Clavé and Wilson (2016) note the 'inherently "urbanising" nature of tourism development in 218 219 the traditional coastal resort context', whereby tourism development initially led to 'path 220 creation', then to 'path dependency', but now has morphed into new models of urban 221 development that differ from the 'traditional coastal resort context'. However, Gormsen 222 (1997) highlight historical cases of coastal tourism that also suggest coastal tourism being a 223 form of property development. These trends exacerbate foreign ownership and wealth 224 inequity within coastal regions and place increasing pressure on natural environments.

226 The polarised sentiment analysis, showing mostly negative sentiment for social and 227 environment impacts, and mostly positive sentiment for economic impacts, also reflects the 228 divergence within the tourism discipline. Higgins-Desbiolles (2020) highlights a division 229 between tourism academics who focus on the benefits of tourism and support for the current 230 sector business model, and those who recognise the negative impacts of tourism on 231 environment, culture and sustainable livelihoods and call for reforms. This division has become pronounced during COVID-19 and amounts to a 'war over tourism', with one side 232 233 arguing that critiques of the tourism sector cause harm to tourism operators, workers and tourists, while the other calling for the sector to be more 'ethical, responsible and sustainable' 234 (Higgins-Desbiolles, 2020). 235 236

While there have been calls for more comprehensive typologies of tourism for more than 25
years (e.g., Wall, 1996), those that have been developed remain focused on micro-scale

239 activities and interactions. For example, Acott et al. (1998) discuss ecotourism as 'deep' or 'shallow' but not beyond the individual enterprise. And while Wall (1996) suggested that 240 241 tourism needed to be viewed within a broader context of multiple other influences and impacts on communities, this ignored the more systemic influences and impacts that tourism 242 243 has on broader social-ecological systems. However, there have been some attempts to raise these macro issues, albeit from a social justice, rather than a more-than-human lens. For 244 245 example, Higgins-Desbiolles et al. (2019) call for a rethink through 'degrowing tourism', where they argue for more emphasis on issues of equity, and where the rights of local 246 247 communities should be placed ahead of those of tourists and tourism operators to make profits. More recently, Lamers and Student (2021) highlight that the social and environmental 248 249 implications of globalisation should be considered within coastal regions, including mobilities and flows including global tourist flows. 250 251

As Gössling et al. (2020) suggest, COVID-19 should present an opportunity to re-assess the growth trajectory of the tourism sector, particularly in relation to questioning whether more tourists actually result in greater benefits. However, like many other sectors, the opportunities for reform that presented through COVID-19 and the numerous other shocks before it such as the global financial crisis of 2007/08, have not been translated into any significant global transformational action towards sustainability (Glavovic et al., 2021).

- 258
- 259

260 Conclusions

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This paper sought to explore highly cited papers focused on the impacts of tourism on coastal 262 regions and to critique of the dominant view of tourism as a panacea to coastal futures. 263 Sentiment analysis reflected the divide within the tourism discipline, where those papers that 264 265 focused on the environment and society generally showed negative sentiment towards the impacts of tourism, while those that focused on the economy generally showed positive 266 267 sentiment. However, most papers remain fixated on the local scale and impacts from specific 268 tourism enterprises, which is reflected in the deficiency of highly cited papers that considered ICZM or other integrated management solutions. Currently, the highest cited papers on the 269 270 impacts of tourism on coastal areas represent a disparate set of micro impacts, which cumulatively represent significant social-ecological challenges, but with limited interrogation 271

- of underpinning macro drivers. Hence, the need for studies that focus on coastal tourism as a
- complex globalised system. In particular, there have been few highly cited studies that focus
- on the underlying business model of the tourism sector, which some sector reports suggest
- 275 can more accurately be defined as property development. When viewed through this lens, the
- tourism sector may be seen as a far-reaching global business that exploits peoples and places
- 277 for the benefit of wealthy elites. The findings have implications for both the scale of tourism
- 278 research, and also for considering tourism within the context of ICZM and sustainable
- 279 development.

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290	methodology (equal lead); formal analysis (equal lead); writing – review and editing (equal).
291	DT: Conceptualisation (supporting); writing - original draft (supporting); methodology
292	(equal lead); formal analysis (equal lead); writing – review and editing (equal); graphical
293	abstract (lead). LC: Conceptualisation (supporting); writing - original draft (supporting);
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References

314	
315	Almeida-García F, Peláez-Fernández MÁ, Balbuena-Vazquez A, Cortés-Macias R (2016)
316	Residents' perceptions of tourism development in Benalmádena (Spain). Tourism
317	Management 54, 259-74.
318	
319	Ashley C, Haysom G (2006) From philanthropy to a different way of doing business:
320	strategies and challenges in integrating pro-poor approaches into tourism business.
321	Development Southern Africa 23(2), 265-280.
322	
323	Ashley C, Jones B (2001) Joint ventures between communities and tourism investors:
324	Experience in Southern Africa. International Journal of Tourism Research, 3 (5), 407-423.
325	
326	Barker NH, Roberts CM (2004) Scuba diver behaviour and the management of diving
327	impacts on coral reefs. Biological Conservation 120(4), 481-9.
328	
329	Becker E (2013) Overbooked: The exploding business of travel and tourism. New York:
330	Simon & Schuster.
331	
332	Boukes M, van de Velde B, Araujo T, Vliegenthart R (2020) What's the tone? Easy doesn't
333	do it: Analyzing performance and agreement between off-the-shelf sentiment analysis tools,
334	Communication Methods and Measures 14(2), 83-104.
335	
336	Buckley R (2012) Sustainable tourism: Research and reality. Annals of Tourism Research
337	39(2), 528-546.
338	
339	Campbell LM (1999) Ecotourism in rural developing communities. Annals of Tourism
340	Research 26(3), 534-553.
341	
342	Clavé SA, Wilson J (2017) The evolution of coastal tourism destinations: a path plasticity
343	perspective on tourism urbanisation. Journal of Sustainable Tourism 25(1), 96-112.
344	

345	Constantine R, Brunton DH, Dennis T (2004) Dolphin-watching tour boats change bottlenose
346	dolphin (Tursiops truncatus) behaviour. Biological Conservation 117(3), 299-307.
347	
348	Cortés-Jiménez, I (2008) 'What type of tourism matters for the regional economic growth?
349	The cases of Spain and Italy', International Journal of Tourism Research 10,127–139.
350	
351	Cuadrado-Ciuraneta S, Durà-Guimerà A, Salvati L (2017) Not only tourism: Unravelling
352	suburbanization, second-home expansion and "rural" sprawl in Catalonia, Spain. Urban
353	Geography 38(1), 66-89.
354	
355	Diedrich A (2007) The impacts of tourism on coral reef conservation awareness and support
356	in coastal communities in Belize. Coral Reefs 26 (4), 985-996.
357	
358	Ellenberg U, Setiawan AN, Cree A, Houston DM, Seddon PJ (2007) Elevated hormonal
359	stress response and reduced reproductive output in Yellow-eyed penguins exposed to
360	unregulated tourism. General and Comparative Endocrinology 152(1), 54-63.
361	
362	Faber B, Gaubert C (2019) Tourism and economic development: Evidence from Mexico's
363	coastline. American Economic Review 109(6), 2245-93.
364	
365	Fahimi A, Saint Akadiri S, Seraj M, Akadiri AC (2018) Testing the role of tourism and
366	human capital development in economic growth. A panel causality study of micro states.
367	Tourism management perspectives 28, 62-70.
368	
369	Glavovic BC, Smith TF, White I (2021) The tragedy of climate change science. Climate and
370	Development.
371	
372	Gormsen E (1997) The Impact of tourism on coastal areas. GeoJournal 42, 39-54.
373	
374	Gössling S, Scott D, Hall CM (2020) Pandemics, tourism and global change: A rapid
375	assessment of COVID-19. Journal of Sustainable Tourism 29(1) 1-20.
376	

377	Grilli G, Tyllianakis E, Luisetti T, Ferrini S, Turner RK (2021) Prospective tourist
378	preferences for sustainable tourism development in Small Island Developing States. Tourism
379	Management 82, 104178.
380	
381	Higgins-Desbiolles F (2021) The "war over tourism": challenges to sustainable tourism in the
382	tourism academy after COVID-19. Journal of Sustainable Tourism 29(4), 551-569.
383	
384	Higgins-Desbiolles F, Carnicelli S, Krolikowski C, Wijesinghe G, Boluk K (2019)
385	Degrowing tourism: rethinking tourism. Journal of Sustainable Tourism 27(12), 1926-1944.
386	
387	Honey M, Krantz D (2007) Global trends in coastal tourism. Washington: World Wildlife
388	Fund.
389	
390	Lacher RG, Nepal SK (2010) From Leakages to linkages: Local-level strategies for capturing
391	tourism revenue in Northern Thailand. Tourism Geographies 12(1), 77-99.
392	
393	Lamers M, Student J (2021) Learning from COVID-19? An environmental mobilities and
394	flows perspective on dynamic vulnerabilities in coastal tourism setting. Maritime Studies 20,
395	475-486.
396	
397	Lange GM (2015) Tourism in Zanzibar: Incentives for sustainable management of the coastal
398	environment. Ecosystem Services 11, 5-11.
399	
400	Liburd JJ, Benckendorff P, Carlsen J (2012) Tourism and quality-of-life: How does tourism
401	measure up? In Handbook of Tourism and Quality-of-Life Research (eds. M. Uysal, R.
402	Perdue, M. Sirgy) pp. 105-132. Dordrecht: Springer.
403	
404	Lusseau D (2004) The hidden cost of tourism: detecting long-term effects of tourism using
405	behavioral information. Ecology and Society, 9(1).
406	
407	Martasuganda MK, Tjahjono B, Yulianda F, Purba NP, Faizal I (2020) Coastal development
408	strategy based on tourism activities in Pangandaran, West Java, Indonesia. World News of
409	Natural Sciences 32, 61-73.
410	

411	Murphy PE (1985) Tourism: A community approach. London: Routledge.
412	
413	Nunn PD, Smith TF, Elrick-Barr C (2021) Path Dependency and Future Adaptation of
414	Coastal Cities: Examples From the Asia-Pacific. Frontiers in Environmental Science, 359.
415	
416	Sandbrook CG (2010) Putting Leakage in its Place: The Significance of Retained Tourism
417	Revenue in the Local Context in Rural Uganda. Journal of International Development 22,
418	124-136.
419	
420	Saveriades A (2000) Establishing the social tourism carrying capacity for the tourist resorts
421	of the east coast of the Republic of Cyprus. Tourism Management 21(2),147-56.
422	
423	Simpson MC (2008) Community Benefit Tourism Initiatives—A conceptual oxymoron?
424	Tourism Management 29(1), 1-18.
425	
426	van Atteveldt W, van der Velden MACG, Boukes M (2021) The validity of sentiment
427	analysis: comparing manual annotation, crowd-coding, dictionary approaches, and machine
428	learning algorithms. Communication Methods and Measures 15(2), 121-140.
429	
430	Zakai D, Chadwick-Furman NE (2002) Impacts of intensive recreational diving on reef corals
431	at Eilat, northern Red Sea. Biological Conservation 105(2), 179-87.
432	
433	Zhao X (2020) Leapfrogging Development Strategy of Coastal Tourism in Underdeveloped
434	Cities. Journal of Coastal Research 115, 72-4.