

Appendix 1

TABLE A1

Description of the articles that fulfilled the selection criteria and constitute the final list for the analysis

Sample	Authors	Year	Approach ^a	Components of behavioral flexibility ^b	Related environmental issue ^c
1	Pietz	1986	BD		
2	Burger & Gochfeld	1988	BD		
3	Davoren	2000	BD		GCC
4	Tremblay & ChereI	2003	BD		
5	Ostrand <i>et al.</i>	2004	BD		GCC
6	Schiavini & Rey	2004	BD		
7	Green <i>et al.</i>	2005	BD		
8	Lescroël <i>et al.</i>	2005	BD		GCC
9	Phillips <i>et al.</i>	2005	BD		
10	Harding <i>et al.</i>	2007	BD		GCC
11	Harding <i>et al.</i>	2007	BD		GCC
12	Cook <i>et al.</i>	2008	BD		GCC
13	Harding <i>et al.</i>	2009	BD		
14	Miller <i>et al.</i>	2009	BD		GCC
15	Hedd <i>et al.</i>	2009	BD		GCC
16	Ellenberg <i>et al.</i>	2009	M	B, E, N	IAA
17	Burke & Montevecchi	2009	BD		
18	Reed <i>et al.</i>	2009	BD		
19	Halsey <i>et al.</i>	2010	BD		
20	Regular <i>et al.</i>	2010	BD		GCC
21	Cadiou <i>et al.</i>	2010	BD		
22	Paiva <i>et al.</i>	2010	BD		
23	Votier <i>et al.</i>	2010	BD		IAA
24	Devney <i>et al.</i>	2010	BD		GCC
25	Zimmer <i>et al.</i>	2011	BD		GCC
26	Dias <i>et al.</i>	2011	BD		GCC
27	Pichegru <i>et al.</i>	2011	BD		
28	Quillfeldt <i>et al.</i>	2011	BD		GCC
29	Garthe <i>et al.</i>	2011	BD		
30	Cook <i>et al.</i>	2012	BD		
31	Grémillet <i>et al.</i>	2012	BD		GCC
32	Pettex <i>et al.</i>	2012	BD		
33	Rey <i>et al.</i>	2012	BD		GCC
34	Yoda <i>et al.</i>	2012	BD		U
35	Harding <i>et al.</i>	2013	BD		
36	Fort <i>et al.</i>	2013	BD		GCC
37	Cohen <i>et al.</i>	2014	BD		GCC
38	Hennicke <i>et al.</i>	2014	BD		GCC

39	Grace & Anderson	2014	M	B	
40	Sala <i>et al.</i>	2014	BD		
41	Müller <i>et al.</i>	2014	BD		
42	Grace & Anderson	2014	M	B, E, N	
43	Awkerman <i>et al.</i>	2014	BD		
44	Garth <i>et al.</i>	2014	BD		GCC
45	Regular <i>et al.</i>	2014	BD		GCC
46	Elliott <i>et al.</i>	2014	BD		GCC
47	Grémillet <i>et al.</i>	2015	BD		GCC
48	Lopes <i>et al.</i>	2015	BD		GCC
49	Sommerfeld <i>et al.</i>	2015	BD		GCC
50	Thorne <i>et al.</i>	2015	BD		
51	Potier <i>et al.</i>	2015	BD		
52	Berlincourt & Arnould	2015	BD		GCC
53	Stienen <i>et al.</i>	2015	BD		
54	Dehnhard <i>et al.</i>	2015	BD		GCC
55	Wakefield <i>et al.</i>	2015	BD		GCC
56	Kidawa <i>et al.</i>	2015	BD		
57	González–Medina <i>et al.</i>	2015	BD		
58	Norment	2015	BD		
59	Connors <i>et al.</i>	2015	BD		
60	Pistorius <i>et al.</i>	2015	BD		GCC
61	Barros <i>et al.</i>	2016	BD		
62	Castillo–Guerrero <i>et al.</i>	2016	BD		GCC
63	Shoji <i>et al.</i>	2016	BD		GCC
64	Isaksson <i>et al.</i>	2016	BD		GCC
65	Morrison <i>et al.</i>	2016	BD		GCC
66	van Bemmelen <i>et al.</i>	2017	BD		GCC
67	van Toor <i>et al.</i>	2017	BD		
68	Jakubas <i>et al.</i>	2017	BD		GCC
69	Black <i>et al.</i>	2017	BD		GCC
70	Shaffer <i>et al.</i>	2017	BD		
71	Gibb <i>et al.</i>	2017	BD		GCC
72	Juvaste <i>et al.</i>	2017	BD		
73	Michelot <i>et al.</i>	2017	BD		GCC
74	Meyer <i>et al.</i>	2017	BD		
75	Navarro <i>et al.</i>	2017	BD		U
76	Schoen <i>et al.</i>	2018	BD		GCC
77	Booth <i>et al.</i>	2018	BD		GCC
78	Kokubun <i>et al.</i>	2018	BD		
79	Morales <i>et al.</i>	2018	BFM	B	
80	Takahashi <i>et al.</i>	2018	BD		GCC
81	Pütz <i>et al.</i>	2018	BD		
82	Gilmour <i>et al.</i>	2018	BD		
83	Christensen-Dalsgaard <i>et al.</i>	2018	BD		GCC

84	Lowther <i>et al.</i>	2018	BD		
85	Botha & Pistorius	2018	BD		
86	Traisnel & Pichegru	2019	BD		
87	Amélineau <i>et al.</i>	2019	BD		GCC
88	Quillfeldt <i>et al.</i>	2019	BD		GCC
89	Geary <i>et al.</i>	2019	BD		
90	Lane <i>et al.</i>	2019	BD		GCC
91	García <i>et al.</i>	2019	BFM	N	
92	Gulka & Davoren	2019	BD		GCC
93	Montevecchi <i>et al.</i>	2019	BD		GCC
94	Loredo <i>et al.</i>	2019	BD		GCC
95	Gulka <i>et al.</i>	2019	BD		
96	Phillips <i>et al.</i>	2019	BD		GCC
97	Zorrozua <i>et al.</i>	2020	BD		GCC
98	Castano <i>et al.</i>	2020	BFM	E, I, N	U
99	Parra–Torres <i>et al.</i>	2020	BD		U
100	Kavelaars <i>et al.</i>	2020	BD		U
101	Minias <i>et al.</i>	2020	M	B	
102	Collins <i>et al.</i>	2020	BD		GCC
103	Carpenter-Kling <i>et al.</i>	2020	BD		
104	Tarroux <i>et al.</i>	2020	BD		
105	Rodríguez–Malagón	2020	BD		GCC
106	Harris <i>et al.</i>	2020	BD		
107	Meyer <i>et al.</i>	2020	BD		GCC
108	Harris <i>et al.</i>	2020	M	B	
109	Harris <i>et al.</i>	2020	M	B	
110	Dunphy <i>et al.</i>	2020	BD		GCC
111	Hromádková <i>et al.</i>	2020	BD		GCC
112	De Pascalis <i>et al.</i>	2020	BD		GCC
113	Kroeger <i>et al.</i>	2020	BD		
114	Baert <i>et al.</i>	2021	M	IL, E	GCC
115	Pütz <i>et al.</i>	2021	BD		GCC
116	Danel <i>et al.</i>	2021	BFM	IL	
117	Koyama <i>et al.</i>	2021	BD		GCC
118	Sutton <i>et al.</i>	2021	BD		GCC
119	Gutowsky <i>et al.</i>	2021	BD		GCC
120	Fromant <i>et al.</i>	2021	BD		GCC
121	Colombelli–Négrel <i>et al.</i>	2021	BFM	B	IAA
122	Fayet <i>et al.</i>	2021	BD		GCC
123	Brown <i>et al.</i>	2021	BD		
124	Divoky <i>et al.</i>	2021	BD		GCC
125	Spelt <i>et al.</i>	2021	BD		U
126	Lamarre & Wilson	2021	BFM	I	
127	Soanes <i>et al.</i>	2021	DC		CCG
128	Hammer <i>et al.</i>	2022	BFM	B	IAA

129	Castano <i>et al.</i>	2022	BFM	IL, E, I, N	
130	Patterson <i>et al.</i>	2022	BD		GCC
131	Sun <i>et al.</i>	2022	M	B	
132	Quillfeldt <i>et al.</i>	2022	BD		
133	Elley <i>et al.</i>	2022	BD		
134	Joly <i>et al.</i>	2022	BD		GCC
135	Lamarre <i>et al.</i>	2022	BFM	IL, E, I	U
136	Gilmour <i>et al.</i>	2022	BD		GCC
137	Inzani <i>et al.</i>	2022	BFM	N, E	U
138	Gutowsky <i>et al.</i>	2022	BD		GCC
139	Bastos <i>et al.</i>	2022	BD		GCC
140	Green <i>et al.</i>	2022	BD		
141	Pelletier <i>et al.</i>	2022	BD		GCC
142	Di Giovanni <i>et al.</i>	2022	M	N	U
143	Danel <i>et al.</i>	2022	BFM	N, E	U

^a BD = Behaviour diversity; M = Mixed; BFM = Behavioral Flexibility Mechanisms

^b B = Boldness; IL = individual learning; E = Exploration; I = Innovation; N = Neophobia

^c GCC = Global and climate change; IAA = Interaction with anthropogenic activities; U = Urbanization

TABLE A2
Articles included in the literature review

N°	References
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