

Appendix 1. The properties of extracted articles

Number	Author	Publication year	Sample size	Study population	Methodology	language	sex	age	Type of sampling	Type of study
1	Torres, CA	2013	90	Birds	Experimental	English	Not mentioned	Not mentioned	Random	Original article
2	Wentworth, David E	2005	Not mentioned	Cell	Experimental	English	Not mentioned	Not mentioned	Random	Original article
3	Wang, J	2016	Not mentioned	Cell	Experimental	English	Not mentioned	Not mentioned	Random	Original article
4	Li, X	1994	74	Cell and Cat	Experimental	English	Not mentioned	16 weeks of age	Random	Original article
5	Gillim-Ross, L	2004	Not mentioned	Cell	Experimental	English	Not mentioned	Not mentioned	Random	Original article
6	Suzuki, K	2008	Not mentioned	Cell	Experimental	English	Not mentioned	Not mentioned	Random	Original article
7	Hu, H	2016	6	Cell and Pigs	Experimental	English	Not mentioned	14 days old	Random	Original article
8	Emmler, L	2019	20	Cat	Experimental	English	Male & Female	Not mentioned	Random	Original article
9	Smith, MK	2006	Not mentioned	Cell	Experimental	English	Not mentioned	Not mentioned	Random	Book chapter
10	Müller, Marcel A	2012	Not mentioned	Monkey and human kidney cells	Experimental	English	Not mentioned	Not mentioned	Not mentioned	Observation
11	Van der Hoek, L	2004	Not mentioned for cell groups and 1 for child	Cell and Child	Experimental	English	Not mentioned	7-month-old	Nonrandom	Original article
12	Kolb, Andreas F	1997	Not mentioned	Cell	Experimental	English	Not mentioned	Not mentioned	Random	Original article
13	Winter, C	2008	1	Chicken	Experimental	English	Not mentioned	20-day-old	Random	Original article
14	Hu, H	2015	17	Young nursing piglets	Experimental	English	Not mentioned	1 to 7 days old	Random	Original article
15	Uzelac-Keserović, B	1999	13	Endemic Balkan nephropathy (EBN) patients	Experimental	English	Not mentioned	Not mentioned	Nonrandom	Original article
16	Rossen, JWA	1995	Not mentioned	Cell	Experimental	English	Not mentioned	Not mentioned	Random	Original article
17	Tan, YJ	2004	Not mentioned	Cell	Experimental	English	Not mentioned	Not mentioned	Random	NOTES article
18	Hong, SM	2018	80	Chicken	Experimental	English	Not mentioned	7-day-old	Random	Original article
19	Sun, C	2011	284	Chicken	Experimental	English	Female	20 days of age	Random	Original article
20	Jung, K	2016	4	Gnotobiotic pigs	Experimental	English	Not mentioned	11 to 14-day-old	Random	Original article
21	Hennion, RM	2015	Not mentioned	Chickens	Experimental	English	Not mentioned	2–3 Week old	Not mentioned	Book chapter
22	Shien, JH	2014	27	Cell	Experimental	English	Not mentioned	Not mentioned	Random	Original article
23	Cavanagh, D	2003	Not mentioned	Cell & Chicken	Review	English	Not mentioned	Not mentioned	Not mentioned	Review article
24	Zeng, Q	2008	Not mentioned	Cell	Experimental	English	Not mentioned	Not mentioned	Random	Original article
25	Liang, Q	2019	120	Cell & Chicken	Experimental	English	Male & Female	11-day-old SPF chicken embryos & 94-day-old SPF	Random	Original article

								chickens		
26	Harun, MSR	2013	54	Cell	Experimental	English	Not mentioned	Not mentioned	Random	Original article
27	Cong, F	2013	20	Chicken	Experimental	English	Not mentioned	1-day-old	Random	Original article
28	Regan, AD	2008	Not mentioned	Cell	Experimental	English	Not mentioned	Not mentioned	Random	NOTES article
29	Lai, ASH	2006	30	Human & Cell	Review	English	Not mentioned	Not mentioned	Nonrandom	Review article
30	Gabarre, P	2020	Not mentioned	Human	Review	English	Not mentioned	Not mentioned	Not mentioned	Review article
31	Hassanein, M	2020	Not mentioned	Human	Review	English	Not mentioned	Not mentioned	Not mentioned	Review article
32	Adapa, S	2020	Not mentioned	Human	Review	English	Not mentioned	Not mentioned	Not mentioned	Review article
33	Uchiyama-Tanaka, Y	2004	1	Human	Experimental	English	Male	51 years old	Nonrandom	Case report
34	Bukvić, D	2000	97	Human	Cohort	English	Not mentioned	Not mentioned	Nonrandom	Retrospective cohort
35	Gagliardi, I	2020	Not mentioned	Human	Review	English	Not mentioned	Not mentioned	Not mentioned	Review article
36	Mihalopoulos, M	2020	Not mentioned	Human	Review	English	Not mentioned	Not mentioned	Not mentioned	Review article
37	Pan, X	2020	15	Cell	Experimental	English	Not mentioned	Not mentioned	Nonrandom	Letter to editor

