Michael J Mcgrew

List of Publications by Year
in descending order

25	1,795	471509 17	580821 25
papers	citations	h-index	g-index

33	33	33	1345
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Efficient production of germline transgenic chickens using lentiviral vectors. EMBO Reports, 2004, 5, 728-733.	4.5	353
2	Localised axial progenitor cell populations in the avian tail bud are not committed to a posterior Hox identity. Development (Cambridge), 2008, 135, 2289-2299.	2.5	152
3	Efficient genetic modification and germ-line transmission of primordial germ cells using piggyBac and Tol2 transposons. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1466-72.	7.1	150
4	Characterisation and Germline Transmission of Cultured Avian Primordial Germ Cells. PLoS ONE, 2010, 5, e15518.	2.5	149
5	FGF, Insulin, and SMAD Signaling Cooperate for Avian Primordial Germ Cell Self-Renewal. Stem Cell Reports, 2015, 5, 1171-1182.	4.8	123
6	Livestock 2.0 â€“ genome editing for fitter, healthier, and more productive farmed animals. Genome Biology, 2018, 19, 204.	8.8	114
7	Transgenic chickens as bioreactors for protein-based drugs. Drug Discovery Today, 2005, 10, 191-196.	6.4	113
8	Efficient TALEN-mediated gene targeting of chicken primordial germ cells. Development (Cambridge), 2017, 144, 928-934.	2.5	97
9	Feather arrays are patterned by interacting signalling and cell density waves. PLoS Biology, 2019, 17, e3000132.	5.6	91
10	Primary sex determination in birds depends on DMRT1 dosage, but gonadal sex does not determine adult secondary sex characteristics. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	87
11	Species specific differences in use of ANP32 proteins by influenza A virus. ELife, 2019, 8, .	6.0	68
12	Reviving rare chicken breeds using genetically engineered sterility in surrogate host birds. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20930-20937.	7.1	48
13	Direct allele introgression into pure chicken breeds using Sire Dam Surrogate (SDS) mating. Nature Communications, 2021, 12, 659.	12.8	44
14	Gene editing in birds takes flight. Mammalian Genome, 2017, 28, 315-323.	2.2	41
15	High fidelity CRISPR/Cas9 increases precise monoallelic and biallelic editing events in primordial germ cells. Scientific Reports, 2018, 8, 15126.	3.3	40
16	Illuminating the chicken model through genetic modification. International Journal of Developmental Biology, 2018, 62, 257-264.	0.6	23
17	Primordial Germ Cell Technologies for Avian Germplasm Cryopreservation and Investigating Germ Cell Development. Journal of Poultry Science, 2012, 49, 155-162.	1.6	20
18	A low-tech, cost-effective and efficient method for safeguarding genetic diversity by direct cryopreservation of poultry embryonic reproductive cells. ELife, 2022, 11, .	6.0	12

#	Article	IF	Citations
19	Highly Efficient Genome Modification of Cultured Primordial Germ Cells with Lentiviral Vectors to Generate Transgenic Songbirds. Stem Cell Reports, 2021, 16, 784-796.	4.8	11
20	Avian Primordial Germ Cells Are Bipotent for Male or Female Gametogenesis. Frontiers in Cell and Developmental Biology, 2021, 9, 726827.	3.7	11
21	Protein expression reveals a molecular sexual identity of avian primordial germ cells at pre-gonadal stages. Scientific Reports, 2021, 11, 19236.	3.3	10
22	Investigation of the Guinea fowl and domestic fowl hybrids as potential surrogate hosts for avian cryopreservation programmes. Scientific Reports, 2019, 9, 14284.	3.3	8
23	Genome editing of avian species: implications for animal use and welfare. Laboratory Animals, 2021, , 002367722199840.	1.0	8
24	Successful cryopreservation and regeneration of a partridge colored Hungarian native chicken breed using primordial germ cells. Poultry Science, 2021, 100, 101207.	3.4	8
25	Uniparental chicken offsprings derived from oogenesis of chicken primordial germ cells (ZZ) â€. Biology of Reproduction, 2017, 96, 686-693.	2.7	7