

Michael J Mcgrew

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,795
citations

471509

17
h-index

580821

25
g-index

33
all docs

33
docs citations

33
times ranked

1345
citing authors

#	ARTICLE	IF	CITATIONS
1	A low-tech, cost-effective and efficient method for safeguarding genetic diversity by direct cryopreservation of poultry embryonic reproductive cells. <i>ELife</i> , 2022, 11, .	6.0	12
2	Direct allele introgression into pure chicken breeds using Sire Dam Surrogate (SDS) mating. <i>Nature Communications</i> , 2021, 12, 659.	12.8	44
3	Genome editing of avian species: implications for animal use and welfare. <i>Laboratory Animals</i> , 2021, , 002367722199840.	1.0	8
4	Primary sex determination in birds depends on DMRT1 dosage, but gonadal sex does not determine adult secondary sex characteristics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	87
5	Highly Efficient Genome Modification of Cultured Primordial Germ Cells with Lentiviral Vectors to Generate Transgenic Songbirds. <i>Stem Cell Reports</i> , 2021, 16, 784-796.	4.8	11
6	Successful cryopreservation and regeneration of a partridge colored Hungarian native chicken breed using primordial germ cells. <i>Poultry Science</i> , 2021, 100, 101207.	3.4	8
7	Protein expression reveals a molecular sexual identity of avian primordial germ cells at pre-gonadal stages. <i>Scientific Reports</i> , 2021, 11, 19236.	3.3	10
8	Avian Primordial Germ Cells Are Bipotent for Male or Female Gametogenesis. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 726827.	3.7	11
9	Investigation of the Guinea fowl and domestic fowl hybrids as potential surrogate hosts for avian cryopreservation programmes. <i>Scientific Reports</i> , 2019, 9, 14284.	3.3	8
10	Reviving rare chicken breeds using genetically engineered sterility in surrogate host birds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 20930-20937.	7.1	48
11	Feather arrays are patterned by interacting signalling and cell density waves. <i>PLoS Biology</i> , 2019, 17, e3000132.	5.6	91
12	Species specific differences in use of ANP32 proteins by influenza A virus. <i>ELife</i> , 2019, 8, .	6.0	68
13	Livestock 2.0 “ genome editing for fitter, healthier, and more productive farmed animals. <i>Genome Biology</i> , 2018, 19, 204.	8.8	114
14	High fidelity CRISPR/Cas9 increases precise monoallelic and biallelic editing events in primordial germ cells. <i>Scientific Reports</i> , 2018, 8, 15126.	3.3	40
15	lluminating the chicken model through genetic modification. <i>International Journal of Developmental Biology</i> , 2018, 62, 257-264.	0.6	23
16	Efficient TALEN-mediated gene targeting of chicken primordial germ cells. <i>Development (Cambridge)</i> , 2017, 144, 928-934.	2.5	97
17	Gene editing in birds takes flight. <i>Mammalian Genome</i> , 2017, 28, 315-323.	2.2	41
18	Uniparental chicken offsprings derived from oogenesis of chicken primordial germ cells (ZZ) “ <i>Biology of Reproduction</i> , 2017, 96, 686-693.	2.7	7

#	ARTICLE	IF	CITATIONS
19	FGF, Insulin, and SMAD Signaling Cooperate for Avian Primordial Germ Cell Self-Renewal. Stem Cell Reports, 2015, 5, 1171-1182.	4.8	123
20	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
21	Primordial Germ Cell Technologies for Avian Germplasm Cryopreservation and Investigating Germ Cell Development. Journal of Poultry Science, 2012, 49, 155-162.	1.6	20
22	Characterisation and Germline Transmission of Cultured Avian Primordial Germ Cells. PLoS ONE, 2010, 5, e15518.	2.5	149
23	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
24	Transgenic chickens as bioreactors for protein-based drugs. Drug Discovery Today, 2005, 10, 191-196.	6.4	113
25	Efficient production of germline transgenic chickens using lentiviral vectors. EMBO Reports, 2004, 5, 728-733.	4.5	353