

# D Richani

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8084155/publications.pdf>

Version: 2024-02-01

23  
papers

1,121  
citations

516215

16  
h-index

642321

23  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1202  
citing authors

#	ARTICLE	IF	CITATIONS
1	The epidermal growth factor network: role in oocyte growth, maturation and developmental competence. <i>Human Reproduction Update</i> , 2018, 24, 1-14.	5.2	197
2	Oocyte maturation and quality: role of cyclic nucleotides. <i>Reproduction</i> , 2016, 152, R143-R157.	1.1	152
3	Metabolic co-dependence of the oocyte and cumulus cells: essential role in determining oocyte developmental competence. <i>Human Reproduction Update</i> , 2021, 27, 27-47.	5.2	131
4	Cumulin, an Oocyte-secreted Heterodimer of the Transforming Growth Factor- $\beta$ Family, Is a Potent Activator of Granulosa Cells and Improves Oocyte Quality. <i>Journal of Biological Chemistry</i> , 2015, 290, 24007-24020.	1.6	130
5	Prematuration with Cyclic Adenosine Monophosphate Modulators Alters Cumulus Cell and Oocyte Metabolism and Enhances Developmental Competence of In Vitro-Matured Mouse Oocytes1. <i>Biology of Reproduction</i> , 2014, 91, 47.	1.2	64
6	Prematuration with cAMP modulators in conjunction with EGF-like peptides during in vitro maturation enhances mouse oocyte developmental competence. <i>Molecular Reproduction and Development</i> , 2014, 81, 422-435.	1.0	61
7	Mode of oocyte maturation affects EGF-like peptide function and oocyte competence. <i>Molecular Human Reproduction</i> , 2013, 19, 500-509.	1.3	52
8	Quantifying the cellular NAD+ metabolome using a tandem liquid chromatography mass spectrometry approach. <i>Metabolomics</i> , 2018, 14, 15.	1.4	45
9	Effect of Epidermal Growth Factor-Like Peptides on the Metabolism of In Vitro- Matured Mouse Oocytes and Cumulus Cells1. <i>Biology of Reproduction</i> , 2014, 90, 49.	1.2	39
10	Reevaluation and evolution of the simulated physiological oocyte maturation system. <i>Theriogenology</i> , 2015, 84, 656-657.	0.9	32
11	Hemoglobin: a Gas Transport Molecule That Is Hormonally Regulated in the Ovarian Follicle in Mice and Humans1. <i>Biology of Reproduction</i> , 2015, 92, 26.	1.2	31
12	BMP15 Mutations Associated With Primary Ovarian Insufficiency Reduce Expression, Activity, or Synergy With GDF9. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, 1009-1019.	1.8	31
13	A variant of human growth differentiation factor-9 that improves oocyte developmental competence. <i>Journal of Biological Chemistry</i> , 2020, 295, 7981-7991.	1.6	28
14	Niclosamide reduces glucagon sensitivity via hepatic PKA inhibition in obese mice: Implications for glucose metabolism improvements in type 2 diabetes. <i>Scientific Reports</i> , 2017, 7, 40159.	1.6	23
15	Capacitation IVM improves cumulus function and oocyte quality in minimally stimulated mice. <i>Journal of Assisted Reproduction and Genetics</i> , 2020, 37, 77-88.	1.2	22
16	Participation of the adenosine salvage pathway and cyclic AMP modulation in oocyte energy metabolism. <i>Scientific Reports</i> , 2019, 9, 18395.	1.6	20
17	Cumulin and FSH Cooperate to Regulate Inhibin B and Activin B Production by Human Granulosa-Lutein Cells In Vitro. <i>Endocrinology</i> , 2019, 160, 853-862.	1.4	17
18	A sensitive method for the separation and quantification of low-level adenine nucleotides using porous graphitic carbon-based liquid chromatography and tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1061-1062, 445-451.	1.2	13

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19	Non-canonical cyclic AMP SMAD1/5/8 signalling in human granulosa cells. <i>Molecular and Cellular Endocrinology</i> , 2019, 490, 37-46.	1.6	10
20	Effect of cumulin and super-GDF9 in standard and biphasic mouse IVM. <i>Journal of Assisted Reproduction and Genetics</i> , 2022, 39, 127-140.	1.2	8
21	Somatic Guidance for the Oocyte. <i>Developmental Cell</i> , 2013, 27, 603-605.	3.1	7
22	Follicular guidance for oocyte developmental competence. <i>Animal Reproduction</i> , 2018, 15, 721-726.	0.4	7
23	Fifty years of reproductive biology in Australia: highlights from the 50th Annual Meeting of the Society for Reproductive Biology (SRB). <i>Reproduction, Fertility and Development</i> , 2019, 31, 829.	0.1	0