

# Rong Li

## List of Publications by Year in descending order

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95  
papers

3,429  
citations

331670

21  
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161849

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96  
all docs

96  
docs citations

96  
times ranked

5587  
citing authors

#	ARTICLE	IF	CITATIONS
1	The DNA methylation landscape of human early embryos. <i>Nature</i> , 2014, 511, 606-610.	27.8	787
2	The Transcriptome and DNA Methylome Landscapes of Human Primordial Germ Cells. <i>Cell</i> , 2015, 161, 1437-1452.	28.9	500
3	Single-Cell RNA-Seq Analysis Maps Development of Human Germline Cells and Gonadal Niche Interactions. <i>Cell Stem Cell</i> , 2017, 20, 858-873.e4.	11.1	376
4	Transcriptome Landscape of Human Folliculogenesis Reveals Oocyte and Granulosa Cell Interactions. <i>Molecular Cell</i> , 2018, 72, 1021-1034.e4.	9.7	262
5	Live births after simultaneous avoidance of monogenic diseases and chromosome abnormality by next-generation sequencing with linkage analyses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 15964-15969.	7.1	115
6	Metabolism alteration in follicular niche: The nexus among intermediary metabolism, mitochondrial function, and classic polycystic ovary syndrome. <i>Free Radical Biology and Medicine</i> , 2015, 86, 295-307.	2.9	85
7	Generation of human blastocyst-like structures from pluripotent stem cells. <i>Cell Discovery</i> , 2021, 7, 81.	6.7	73
8	Role of <i>Sirt3</i> in mitochondrial biogenesis and developmental competence of human <i>in vitro</i> matured oocytes. <i>Human Reproduction</i> , 2016, 31, 607-622.	0.9	65
9	Potential roles for the kisspeptin/kisspeptin receptor system in implantation and placentation. <i>Human Reproduction Update</i> , 2019, 25, 326-343.	10.8	60
10	Effect of inter layer idle time on thermal behavior for multi-layer single-pass thin-walled parts in GMAW-based additive manufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 96, 1355-1365.	3.0	52
11	Human single follicle growth <i>in vitro</i> from cryopreserved ovarian tissue after slow freezing or vitrification. <i>Human Reproduction</i> , 2016, 31, 763-773.	0.9	50
12	Single-Cell Transcriptomics of Human Oocytes: Environment-Driven Metabolic Competition and Compensatory Mechanisms During Oocyte Maturation. <i>Antioxidants and Redox Signaling</i> , 2019, 30, 542-559.	5.4	50
13	MicroRNA-542-3p Suppresses Tumor Cell Invasion via Targeting AKT Pathway in Human Astrocytoma. <i>Journal of Biological Chemistry</i> , 2015, 290, 24678-24688.	3.4	49
14	Epigenomic Landscape of Human Fetal Brain, Heart, and Liver. <i>Journal of Biological Chemistry</i> , 2016, 291, 4386-4398.	3.4	45
15	Fabrication of regenerated wool keratin/polycaprolactone nanofiber membranes for cell culture. <i>International Journal of Biological Macromolecules</i> , 2018, 114, 1168-1173.	7.5	38
16	Coupled Sorption and Oxidation of Soil Dissolved Organic Matter on Manganese Oxides: Nano/Sub-nanoscale Distribution and Molecular Transformation. <i>Environmental Science &amp; Technology</i> , 2022, 56, 2783-2793.	10.0	34
17	Eco-fabrication of antibacterial nanofibrous membrane with high moisture permeability from wasted wool fabrics. <i>Waste Management</i> , 2020, 102, 404-411.	7.4	32
18	Effect of Local Basic Fibroblast Growth Factor and Vascular Endothelial Growth Factor on Subcutaneously Allografted Ovarian Tissue in Ovariectomized Mice. <i>PLoS ONE</i> , 2015, 10, e0134035.	2.5	31

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19	Mesenchymal Stem Cells Facilitate In Vitro Development of Human Preantral Follicle. <i>Reproductive Sciences</i> , 2015, 22, 1367-1376.	2.5	28
20	Site-Specific, Covalent Immobilization of Dehalogenase ST2570 Catalyzed by Formylglycine-Generating Enzymes and Its Application in Batch and Semi-Continuous Flow Reactors. <i>Molecules</i> , 2016, 21, 895.	3.8	27
21	Decoding the temporal and regional specification of microglia in the developing human brain. <i>Cell Stem Cell</i> , 2022, 29, 620-634.e6.	11.1	27
22	High anti-Müllerian hormone levels are associated with preterm delivery in patients with polycystic ovary syndrome. <i>Fertility and Sterility</i> , 2020, 113, 444-452.e1.	1.0	25
23	Regulation of LH secretion by RFRP-3 “ From the hypothalamus to the pituitary. <i>Frontiers in Neuroendocrinology</i> , 2019, 52, 12-21.	5.2	24
24	Association between exposure to airborne particulate matter less than 2.5 µm and human fecundity in China. <i>Environment International</i> , 2021, 146, 106231.	10.0	24
25	Kisspeptin as a potential biomarker throughout pregnancy. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2019, 240, 261-266.	1.1	22
26	Reciprocal modulation of 5-HT and octopamine regulates pumping via feedforward and feedback circuits in <i>C. elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 7107-7112.	7.1	22
27	Increased Expression of KISS1 and KISS1 Receptor in Human Granulosa Lutein Cells—Potential Pathogenesis of Polycystic Ovary Syndrome. <i>Reproductive Sciences</i> , 2019, 26, 1429-1438.	2.5	22
28	Photocatalytic activity of MTiO <sub>3</sub> (M = Ca, Ni, and Zn) nanocrystals for water decomposition to hydrogen. <i>Journal of Materials Research</i> , 2014, 29, 1295-1301.	2.6	20
29	Silver-Catalyzed Carbon-Phosphorus Functionalization for Polyheterocycle Formation. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 609-615.	4.3	20
30	New insights into the genic and metabolic characteristics of induced pluripotent stem cells from polycystic ovary syndrome women. <i>Stem Cell Research and Therapy</i> , 2018, 9, 210.	5.5	20
31	Association of serum anti-Müllerian hormone and other factors with cumulative live birth rate following IVF. <i>Reproductive BioMedicine Online</i> , 2020, 40, 675-683.	2.4	19
32	Obstetric and neonatal outcomes after the transfer of vitrified-warmed blastocysts developing from nonpronuclear and monopronuclear zygotes: a retrospective cohort study. <i>Fertility and Sterility</i> , 2021, 115, 110-117.	1.0	19
33	Fertility preservation: challenges and opportunities. <i>Lancet, The</i> , 2014, 384, 1246-1247.	13.7	17
34	Design, synthesis, and biological evaluation of novel (4-(1,2,4-oxadiazol-5-yl)phenyl)-2-aminoacetamide derivatives as multifunctional agents for the treatment of Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2022, 227, 113973.	5.5	17
35	Study on synthesis of ZnO nanorods and its UV-blocking properties on cotton fabrics coated with the ZnO quantum dot. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	16
36	Bone mesenchymal stem cells improve pregnancy outcome by inducing maternal tolerance to the allogeneic fetus in abortion-prone matings in mouse. <i>Placenta</i> , 2016, 47, 29-36.	1.5	15

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37	<i>In situ</i> polymerization of aniline on acrylamide grafted cotton. Journal of Applied Polymer Science, 2011, 120, 1126-1132.	2.6	14
38	Cryobiological Characteristics of L-proline in Mammalian Oocyte Cryopreservation. Chinese Medical Journal, 2016, 129, 1963-1968.	2.3	13
39	Assisted reproductive technology in Beijing, 2013–2015. Reproductive BioMedicine Online, 2018, 37, 521-532.	2.4	13
40	Modification of Rice Straw for Good Thermoplasticity via Graft Copolymerization of $\hat{\mu}$ -Caprolactone onto Acetylated Rice Straw Using Ultrasonic-Microwave Coassisted Technology. ACS Sustainable Chemistry and Engineering, 2016, 4, 957-964.	6.7	12
41	The $\hat{\sim}$ normal $\hat{\sim}$ ™ range of FMR1 triple CCG repeats may be associated with primary ovarian insufficiency in China. Reproductive BioMedicine Online, 2017, 34, 175-180.	2.4	12
42	Comparison of Vaginal Gel and Intramuscular Progesterone for In vitro Fertilization and Embryo Transfer with Gonadotropin-Releasing Hormone Antagonist Protocol. Chinese Medical Journal, 2018, 131, 1557-1561.	2.3	11
43	Amino acid signatures in relation to polycystic ovary syndrome and increased risk of different metabolic disturbances. Reproductive BioMedicine Online, 2022, 44, 737-746.	2.4	11
44	A spectrophotometric color matching algorithm for precolored fiber blends. Color Research and Application, 2009, 34, 108-114.	1.6	10
45	Chromosome microduplication in somatic cells decreases the genetic stability of human reprogrammed somatic cells and results in pluripotent stem cells. Scientific Reports, 2015, 5, 10114.	3.3	10
46	Aberrant expression of maternal Plk1 and Dctn3 results in the developmental failure of human in-vivo- and in-vitro-matured oocytes. Scientific Reports, 2015, 5, 8192.	3.3	10
47	Chloroacetate Promotes and Participates in the Oxidative Annulation of Pyridines/Isoquinoline by Using Oxygen as the Oxidant. Chemistry - an Asian Journal, 2016, 11, 3339-3344.	3.3	10
48	Consultation and treatment behaviour of infertile couples in China: a population-based study. Reproductive BioMedicine Online, 2019, 38, 917-925.	2.4	10
49	Transgenerational Inheritance of Reproductive and Metabolic Phenotypes in PCOS Rats. Frontiers in Endocrinology, 2020, 11, 144.	3.5	10
50	Maternal and neonatal outcomes following blastocyst biopsy for PGT in single vitrified–warmed embryo transfer cycles. Reproductive BioMedicine Online, 2022, 44, 151-162.	2.4	10
51	Biotic homogenization increases with human intervention: implications for mangrove wetland restoration. Ecography, 2022, 2022, .	4.5	10
52	An Altered Microbiota in the Lower and Upper Female Reproductive Tract of Women with Recurrent Spontaneous Abortion. Microbiology Spectrum, 2022, 10, .	3.0	10
53	Structure–Property Relationship of Sulfosuccinic Acid Diester Sodium Salt Micelles: 3D-QSAR Model and DPD Simulation. Journal of Dispersion Science and Technology, 2016, 37, 941-948.	2.4	8
54	Predictive value of serum kisspeptin concentration at 14 and 21 days after frozen–thawed embryo transfer. Reproductive BioMedicine Online, 2019, 39, 161-167.	2.4	8

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55	Cumulative live birth rate of low prognosis patients with POSEIDON stratification: a single-centre data analysis. <i>Reproductive BioMedicine Online</i> , 2020, 41, 834-844.	2.4	8
56	Vitexin and Isovitexin Act through Inhibition of Insulin Receptor to Promote Longevity and Fitness in <i>Caenorhabditis elegans</i> . <i>Molecular Nutrition and Food Research</i> , 2022, 66, e2100845.	3.3	8
57	Enhanced reverse saturable absorption of electrostatic self-assembled layer by layer films containing (8-quinolineoxy-5-sulfonic acid)phthalocyanine cobalt and graphene oxide. <i>RSC Advances</i> , 2015, 5, 55150-55157.	3.6	7
58	Chemokine Receptor Type 4 Regulates Migration and Invasion of Trophectoderm Cell in the Human Blastocyst. <i>Biology of Reproduction</i> , 2016, 95, 21-21.	2.7	7
59	Brachyantheraoside A <sub>8</sub> , a new natural nor-oleanane triterpenoid as a kidney-type glutaminase inhibitor from <i>Stauntonia brachyanthera</i> . <i>RSC Advances</i> , 2017, 7, 52533-52542.	3.6	7
60	Effects of Growth Hormone Supplementation on Poor Ovarian Responders in Assisted Reproductive Technology: a Systematic Review and Meta-analysis. <i>Reproductive Sciences</i> , 2021, 28, 936-948.	2.5	7
61	Fabrication of Hierarchically Porous Carbon Nanofibers from Immiscible PAN/PVDF Polymer Blends as Electrode Materials. <i>Fibers and Polymers</i> , 2021, 22, 972-980.	2.1	7
62	Development and validation of an LC-MS/MS method for the simultaneous quantification of seven constituents in rat plasma and application in a pharmacokinetic study of the Zaoren Anshen prescription. <i>Biomedical Chromatography</i> , 2018, 32, e4055.	1.7	7
63	Outage Constrained Power Allocation and Relay Selection for Multi-Hop Cognitive Network. , 2012, , .		6
64	Joint power allocation and relay selection for multi-hop cognitive network with ARQ. , 2012, , .		6
65	Preparation of polyaniline/nylon conducting fabric by layer-by-layer assembly method. <i>Journal of Applied Polymer Science</i> , 2013, 128, 1673-1679.	2.6	6
66	Up-regulation of heme oxygenase-1 expression modulates reactive oxygen species level during the cryopreservation of human seminiferous tubules. <i>Fertility and Sterility</i> , 2014, 102, 974-980.e4.	1.0	6
67	Characterization and mechanism insight of accelerated catalytic promiscuity of <i>Sulfolobus tokodaii</i> (ST0779) peptidase for aldol addition reaction. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 9625-9634.	3.6	6
68	Surface dilatational properties of Gemini surfactants containing multiple hydroxyl groups. <i>Colloid and Polymer Science</i> , 2016, 294, 1405-1412.	2.1	6
69	Extract of the Aerial Part of <i>Polygala tenuifolia</i> Attenuates d-Galactose/NaNO <sub>2</sub> -induced Learning and Memory Impairment in Mice. <i>Planta Medica</i> , 2020, 86, 1389-1399.	1.3	5
70	Early intervention for heterotopic caesarean scar pregnancy to preserve intrauterine pregnancy may improve outcomes: a retrospective cohort study. <i>Reproductive BioMedicine Online</i> , 2020, 41, 290-299.	2.4	4
71	Effects of oocyte vitrification on the behaviors and physiological indexes of aged first filial generation mice. <i>Cryobiology</i> , 2020, 95, 20-28.	0.7	4
72	Outage Performance of Cognitive Relay Networks with Primary User's ISR Constraint. , 2012, , .		3

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73	A Mini-Slot Sensing with Selective Coordinator in Cognitive Radio System. , 2012, , .		3
74	Evaluation of syphilis serostatus on the safety of IVF treatment. Reproductive BioMedicine Online, 2014, 29, 756-760.	2.4	3
75	Self-assembly and rheological behavior of novel anionic and cationic gemini surfactants. Colloid and Polymer Science, 2020, 298, 1619-1628.	2.1	3
76	Design and Construction of an Effective Expression System with Aldehyde Tag for Site-Specific Enzyme Immobilization. Catalysts, 2020, 10, 410.	3.5	3
77	Facile Fabrication of Non-fluorinated Durable Superhydrophobic Cotton Fabric. Fibers and Polymers, 2020, 21, 2513-2520.	2.1	3
78	Effect of vitrification at the germinal vesicle stage on the global methylation status in mouse oocytes subsequently matured in vitro. Chinese Medical Journal, 2014, 127, 4019-24.	2.3	3
79	Magnetic solid phase extraction followed by in-situ derivatization with core-shell structured magnetic graphene oxide nanocomposite for the accurate quantification of free testosterone and free androstenedione in human serum. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2022, 1196, 123188.	2.3	3
80	An Iterative Water-Filling Based Resource Allocation Scheme in OFDMA Systems for Energy Efficiency Optimization. , 2012, , .		2
81	Gonadotropin-Mediated Dynamic Alterations During Bovine Oocyte Maturation In Vitro1. Biology of Reproduction, 2014, 91, 44.	2.7	2
82	Ultrasonic microwave synthesis of polyoxyethylenated stearyl ether maleic acid diester gemini surfactants. Research on Chemical Intermediates, 2015, 41, 9773-9783.	2.7	2
83	Prospective observational cohort study: Computational models for early prediction of ongoing pregnancy in fresh IVF/ICSI-ET protocols. Life Sciences, 2019, 222, 221-227.	4.3	2
84	Pain Relief during Oocyte Retrieval by Transcutaneous Electrical Acupoint Stimulation: A Single-Blinded, Randomized, Controlled Multicenter Trial. Evidence-based Complementary and Alternative Medicine, 2020, 2020, 1-8.	1.2	2
85	Transcriptomic analysis reveals gender differences in gene expression profiling of the hypothalamus of rhesus macaque with aging. Aging, 2020, 12, 18251-18273.	3.1	2
86	Cross-Layer Strategy for Maximizing Equilibrium Lifetime in Wireless Sensor Networks. , 2011, , .		1
87	Simultaneous Quantification of Seven Constituents from Zaoren Anshen Prescription and Four Endogenic Components in Rat Plasma by UHPLC-TSQ-MS/MS and the Application of the Correlation Study. Chemical and Pharmaceutical Bulletin, 2019, 67, 855-863.	1.3	1
88	A novel pathogenic mutation in FBN2 associated with congenital contractural arachnodactyly for preimplantation genetic diagnosis. Journal of Genetics and Genomics, 2020, 47, 281-284.	3.9	1
89	OP-IVM: Combining In vitro Maturation after Oocyte Retrieval with Gynecological Surgery. Journal of Visualized Experiments, 2021, , .	0.3	1
90	Simultaneous Determination of Four Monoamine Neurotransmitters and Seven Effective Components of Zaoren Anshen Prescription in Rat Tissue using UPLC-MS/MS. Current Pharmaceutical Analysis, 2020, 17, 67-80.	0.6	1

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91	Kinetic modeling of As release from contaminated soils: Consideration of particle size and co-contamination of Cu. Chemosphere, 2022, 301, 134675.	8.2	1
92	Impedance matching based cross-layer architecture for cognitive networks. , 2011, , .		0
93	A Novel Reconfigurable Planning for Cognitive Radio Networks. , 2012, , .		0
94	Research on Construction Method of Knowledge Graph-Based on Mobile Phone Quality Detection. , 2020, , .		0
95	Single-copy Loss of Rho Guanine Nucleotide Exchange Factor 10 ( ) Causes Locomotor Abnormalities in Zebrafish Larvae.. Biomedical and Environmental Sciences, 2022, 35, 35-44.	0.2	0