

# Junlin He

## List of Publications by Citations

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92  
papers

1,440  
citations

23  
h-index

32  
g-index

93  
ext. papers

1,820  
ext. citations

7.2  
avg, IF

4.67  
L-index

#	Paper	IF	Citations
92	Pharmacological properties and derivatives of shikonin-A review in recent years. <i>Pharmacological Research</i> , <b>2019</b> , 149, 104463	10.2	70
91	DEHP exposure impairs mouse oocyte cyst breakdown and primordial follicle assembly through estrogen receptor-dependent and independent mechanisms. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 298, 232-40	12.8	65
90	A novel non-invasive detection method for the FGFR3 gene mutation in maternal plasma for a fetal achondroplasia diagnosis based on signal amplification by hemin-MOFs/PtNPs. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 91, 892-899	11.8	64
89	Target triggered cleavage effect of DNAzyme: Relying on Pd-Pt alloys functionalized Fe-MOFs for amplified detection of Pb. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 101, 297-303	11.8	61
88	A sensitive sandwich-type immunosensor for the detection of galectin-3 based on N-GNRs-Fe-MOFs@AuNPs nanocomposites and a novel AuPt-methylene blue nanorod. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 101, 253-259	11.8	52
87	mTOR/P70S6K promotes spermatogonia proliferation and spermatogenesis in Sprague Dawley rats. <i>Reproductive BioMedicine Online</i> , <b>2016</b> , 32, 207-17	4	48
86	Exposure of mice to benzo(a)pyrene impairs endometrial receptivity and reduces the number of implantation sites during early pregnancy. <i>Food and Chemical Toxicology</i> , <b>2014</b> , 69, 244-51	4.7	37
85	Aloe emodin induces hepatotoxicity by activating NF- $\kappa$ B inflammatory pathway and P53 apoptosis pathway in zebrafish. <i>Toxicology Letters</i> , <b>2019</b> , 306, 66-79	4.4	34
84	A novel electrochemical immunosensor based on the rGO-TEPA-PTC-NH <sub>2</sub> and AuPt modified $\square$ bimetallic nanoclusters for the detection of Vangl1, a potential biomarker for dysontogenesis. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 79, 364-70	11.8	33
83	Ultrasensitive electrochemical biosensor based on graphite oxide, Prussian blue, and PTC-NH <sub>2</sub> for the detection of $\alpha$ ,6-sialylated glycans in human serum. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 62, 79-83	11.8	33
82	The role of MTOR in mouse uterus during embryo implantation. <i>Reproduction</i> , <b>2009</b> , 138, 351-6	3.8	32
81	Foetal-neonatal exposure of Di (2-ethylhexyl) phthalate disrupts ovarian development in mice by inducing autophagy. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 358, 101-112	12.8	31
80	A novel sandwich aptasensor for detecting T-2 toxin based on rGO-TEPA-Au@Pt nanorods with a dual signal amplification strategy. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 144, 111635	11.8	30
79	A simultaneous electrochemical multianalyte immunoassay of high sensitivity C-reactive protein and soluble CD40 ligand based on reduced graphene oxide-tetraethylene pentamine that directly adsorb metal ions as labels. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 72, 237-46	11.8	30
78	Benzo(a)pyrene inhibits migration and invasion of extravillous trophoblast HTR-8/SVneo cells via activation of the ERK and JNK pathway. <i>Journal of Applied Toxicology</i> , <b>2016</b> , 36, 946-55	4.1	30
77	Dandelion-like CuO microspheres decorated with Au nanoparticle modified biosensor for Hg detection using a T-Hg-T triggered hybridization chain reaction amplification strategy. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 131, 207-213	11.8	30
76	A dual-type responsive electrochemical immunosensor for quantitative detection of PCSK9 based on n-C-PdPt/N-GNRs and Pt-poly (methylene blue) nanocomposites. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 101, 7-13	11.8	29

75	Cerium dioxide-doped carboxyl fullerene as novel nanoprobe and catalyst in electrochemical biosensor for amperometric detection of the CYP2C19*2 allele in human serum. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 102, 94-100	11.8	29
74	Exposure to benzo[a]pyrene impairs decidualization and decidual angiogenesis in mice during early pregnancy. <i>Environmental Pollution</i> , <b>2017</b> , 222, 523-531	9.3	28
73	Folate deficiency impairs decidualization and alters methylation patterns of the genome in mice. <i>Molecular Human Reproduction</i> , <b>2015</b> , 21, 844-56	4.4	27
72	Effect of folate deficiency on promoter methylation and gene expression of Esr1, Cdh1 and Pgr, and its influence on endometrial receptivity and embryo implantation. <i>Human Reproduction</i> , <b>2012</b> , 27, 2756-65	5.7	27
71	A novel DNA biosensor integrated with Polypyrrole/streptavidin and Au-PAMAM-CP bionanocomposite probes to detect the rs4839469 locus of the vangl1 gene for dysontogenesis prediction. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 80, 674-681	11.8	24
70	Trimetallic signal amplification aptasensor for TSP-1 detection based on Ce-MOF@Au and AuPtRu nanocomposites. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 132, 302-309	11.8	23
69	Sodium fluoride activates ERK and JNK via induction of oxidative stress to promote apoptosis and impairs ovarian function in rats. <i>Journal of Hazardous Materials</i> , <b>2014</b> , 272, 75-82	12.8	23
68	Novel Ce(III)-Metal Organic Framework with a Luminescent Property To Fabricate an Electrochemiluminescence Immunosensor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 338-346	9.5	23
67	Sandwich-type biosensor for the detection of $\alpha$ ,3-sialylated glycans based on fullerene-palladium-platinum alloy and 4-mercaptophenylboronic acid nanoparticle hybrids coupled with Au-methylene blue-MAL signal amplification. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 102, 321-327	11.8	23
66	The differential expression of microRNAs between implantation sites and interimplantation sites in early pregnancy in mice and their potential functions. <i>Reproductive Sciences</i> , <b>2014</b> , 21, 1296-306	3	21
65	Ameliorative effect of Atractylodes macrocephala essential oil combined with Panax ginseng total saponins on 5-fluorouracil induced diarrhea is associated with gut microbial modulation. <i>Journal of Ethnopharmacology</i> , <b>2019</b> , 238, 111887	5	20
64	An impedimetric biosensor for the diagnosis of renal cell carcinoma based on the interaction between 3-aminophenyl boronic acid and sialic acid. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 92, 434-441	11.8	20
63	Dibutyl phthalate exposure disrupts the progression of meiotic prophase I by interfering with homologous recombination in fetal mouse oocytes. <i>Environmental Pollution</i> , <b>2019</b> , 252, 388-398	9.3	19
62	Altered $\alpha$ ,6-GlcNAc and bisecting GlcNAc-branched N-glycan on integrin $\beta$ 1 are associated with early spontaneous miscarriage in humans. <i>Human Reproduction</i> , <b>2015</b> , 30, 2064-75	5.7	19
61	Folate Deficiency Could Restrain Decidual Angiogenesis in Pregnant Mice. <i>Nutrients</i> , <b>2015</b> , 7, 6425-45	6.7	18
60	High insulin impaired ovarian function in early pregnant mice and the role of autophagy in this process. <i>Endocrine Journal</i> , <b>2017</b> , 64, 613-621	2.9	17
59	Ultra-sensitive detection of microcystin-LR with a new dual-mode aptasensor based on MoS <sub>2</sub> -PtPd and ZIF-8-Thi-Au. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 305, 127280	8.5	16
58	Benzo(a)pyrene inhibits endometrial cell apoptosis in early pregnant mice via the WNT5A pathway. <i>Journal of Cellular Physiology</i> , <b>2019</b> , 234, 11119-11129	7	16

57	Ultrasensitive electrochemical immunosensor based on orderly oriented conductive wires for the detection of human monocyte chemotactic protein-1 in serum. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 70, 392-7	11.8	15
56	Ultrasensitive electrochemical biosensor based on reduced graphene oxide-tetraethylene pentamine-BMIMPF <sub>6</sub> hybrids for the detection of $\alpha$ ,6-sialylated glycans in human serum. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 74, 953-9	11.8	15
55	Rapamycin inhibits spermatogenesis by changing the autophagy status through suppressing mechanistic target of rapamycin-p70S6 kinase in male rats. <i>Molecular Medicine Reports</i> , <b>2017</b> , 16, 4029-4037	11.8	15
54	Fabrication of pioneering 3D sakura-shaped metal-organic coordination polymers Cu@L-Glu phenomenal for signal amplification in highly sensitive detection of zearalenone. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 129, 139-146	11.8	14
53	Dual-type responsive electrochemical biosensor for the detection of $\alpha$ ,6-sialylated glycans based on AuNRs-SA coupled with c-SWCNHs/S-PtNC nanocomposites signal amplification. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 130, 166-173	11.8	13
52	A sensitive sandwich-type immunosensor for the detection of MCP-1 based on a rGO-TEPA-Thi-Au nanocomposite and novel RuPdPt trimetallic nanoalloy particles. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 131, 67-73	11.8	13
51	Immunoassay for netrin 1 via a glassy carbon electrode modified with multi-walled carbon nanotubes, thionine and gold nanoparticles. <i>Mikrochimica Acta</i> , <b>2015</b> , 182, 2115-2122	5.8	13
50	Mouse Endometrium Temporal and Spatial Expression mRNA and MicroRNA Associated With Embryo Implantation. <i>Reproductive Sciences</i> , <b>2015</b> , 22, 1399-408	3	13
49	Determination of $\alpha$ ,3-sialylated glycans in human serum using a glassy carbon electrode modified with carboxylated multiwalled carbon nanotubes, a polyamidoamine dendrimer, and a glycan-recognizing lectin from Maackia Amurensis. <i>Mikrochimica Acta</i> , <b>2016</b> , 183, 2337-2344	5.8	13
48	Maternal exposure to CeONPs during early pregnancy impairs pregnancy by inducing placental abnormalities. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 389, 121830	12.8	13
47	Autophagy participates in cyst breakdown and primordial folliculogenesis by reducing reactive oxygen species levels in perinatal mouse ovaries. <i>Journal of Cellular Physiology</i> , <b>2019</b> , 234, 6125-6135	7	12
46	Reusable voltammetric immunosensor for sCD40L, a biomarker for the acute coronary syndrome, using a glassy carbon electrode modified with a nanocomposite consisting of gold nanoparticles, branched polyethylenimine and carboxylated multiwalled carbon nanotubes. <i>Mikrochimica Acta</i> , <b>2017</b> , 184, 1887-1895	5.8	11
45	Elevated insulin levels compromise endometrial decidualization in mice with decrease in uterine apoptosis in early-stage pregnancy. <i>Archives of Toxicology</i> , <b>2019</b> , 93, 3601-3615	5.8	11
44	Decreased autophagy was implicated in the decreased apoptosis during decidualization in early pregnant mice. <i>Journal of Molecular Histology</i> , <b>2018</b> , 49, 589-597	3.3	11
43	Autophagy regulates abnormal placentation induced by folate deficiency in mice. <i>Molecular Human Reproduction</i> , <b>2019</b> , 25, 305-319	4.4	10
42	Polyphyllin I induces autophagy and cell cycle arrest via inhibiting PDK1/Akt/mTOR signal and downregulating cyclin B1 in human gastric carcinoma HGC-27 cells. <i>Biomedicine and Pharmacotherapy</i> , <b>2019</b> , 117, 109189	7.5	9
41	Mice endometrium receptivity in early pregnancy is impaired by maternal hyperinsulinemia. <i>Molecular Medicine Reports</i> , <b>2017</b> , 15, 2503-2510	2.9	8
40	A novel ultrasensitive electrochemical immunosensor based on carboxy-endcapped conductive polypyrrole for the detection of gypican-3 in human serum. <i>Analytical Methods</i> , <b>2015</b> , 7, 1745-1750	3.2	8

39	PdPt nanoparticles anchored on the N-G with the integration of PANI nanohybrids as novel redox probe and catalyst for the detection of rs1801177. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 102, 403-410	11.8	8
38	Endometrial pyruvate kinase M2 is essential for decidualization during early pregnancy. <i>Journal of Endocrinology</i> , <b>2020</b> , 245, 357-368	4.7	7
37	DNAzyme assisted recycling amplification method for ultrasensitive amperometric determination of lead(II) based on the use of a hairpin assembly on a composite prepared from nitrogen doped graphene, perylenetetracarboxylic anhydride, thionine and gold nanoparticles. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 677	5.8	6
36	AMPK/mTOR downregulated autophagy enhances aberrant endometrial decidualization in folate-deficient pregnant mice. <i>Journal of Cellular Physiology</i> , <b>2021</b> , 236, 7376-7389	7	6
35	Altered expression patterns of circular RNAs between implantation sites and interimplantation sites in early pregnant mice. <i>Journal of Cellular Physiology</i> , <b>2019</b> , 234, 9862-9872	7	6
34	Enzyme-induced multicolor colorimetric and electrochemiluminescence sensor with a smartphone for visual and selective detection of Hg. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 415, 125538	12.8	6
33	A novel light-electricity sensing method for PCSK9 detection based on s-PdNFs with multifunctional property. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 144, 111575	11.8	5
32	Rapidly accomplished femtomole soluble CD40 ligand detection in human serum: a green homobifunctional agent coupled with reduced graphene oxide-tetraethylene pentamine as platform. <i>RSC Advances</i> , <b>2015</b> , 5, 88392-88400	3.7	5
31	The homologous genes Vangl1 and Vangl2 are required for embryo implantation in the uterus of mice during early pregnancy. <i>Gene</i> , <b>2015</b> , 555, 140-9	3.8	5
30	Exposure to Benzo[a]pyrene impairs the corpus luteum vascular network in rats during early pregnancy. <i>Environmental Pollution</i> , <b>2020</b> , 259, 113915	9.3	5
29	Expression and function of in mouse endometrium during early pregnancy. <i>Reproduction</i> , <b>2018</b> , 155, 393-402	3.8	5
28	Expression of DROSHA in the Uterus of Mice in Early Pregnancy and Its Potential Significance During Embryo Implantation. <i>Reproductive Sciences</i> , <b>2016</b> , 23, 154-62	3	5
27	A new sight for detecting the ADRB1 gene mutation to guide a therapeutic regimen for hypertension based on a CeO-doped nanoprobe. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 92, 402-409	11.8	5
26	SPOP Regulates Endometrial Stromal Cell Decidualization in Mice. <i>Reproductive Sciences</i> , <b>2016</b> , 23, 1565-1574	3.1574	5
25	Melatonin alleviates benzo(a)pyrene-induced ovarian corpus luteum dysfunction by suppressing excessive oxidative stress and apoptosis. <i>Ecotoxicology and Environmental Safety</i> , <b>2021</b> , 207, 111561	7	5
24	Expression of KRAS in the endometrium of early pregnant mice and its effect during embryo implantation. <i>Reproductive BioMedicine Online</i> , <b>2015</b> , 31, 51-61	4	4
23	Rotenone-induced energy stress decompensated in ventral mesocerebrum is associated with Parkinsonism progression in rats. <i>Experimental and Therapeutic Medicine</i> , <b>2016</b> , 12, 1060-1066	2.1	4
22	Hyperinsulinemia restrains endometrial angiogenesis during decidualization in early pregnancy. <i>Journal of Endocrinology</i> , <b>2019</b> , 243, 137-148	4.7	4

21	Folate deficiency inhibits the PCP pathway and alters genomic methylation levels during embryonic development. <i>Journal of Cellular Physiology</i> , <b>2018</b> , 233, 7333-7342	7	3
20	Roles of DEK in the endometrium of mice in early pregnancy. <i>Gene</i> , <b>2018</b> , 642, 261-267	3.8	3
19	The regulation of high insulin levels on ovary apoptosis in early pregnant mice. <i>Biochemical and Biophysical Research Communications</i> , <b>2017</b> , 483, 786-792	3.4	2
18	A palladium-platinum bimetal nanodendritic melamine network for signal amplification in voltammetric sensing of DNA. <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 138	5.8	2
17	A switched catalysis qualified sealers capped one-step synthesis biocompatibility bimetallic scaffold film for Neu5Ac(2-6)Gal 1MP Glycoside specific detection. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 77, 853-9	11.8	2
16	Multi-purpose electrochemical biosensor based on a green homobifunctional cross-linker coupled with PAMAM dendrimer grafted p-MWCNTs as a platform: application to detect 2,3-sialylated glycans and 2,6-sialylated glycans in human serum. <i>RSC Advances</i> , <b>2016</b> , 6, 44865-44872	3.7	2
15	CircRNA expression profiles in decidual tissue of patients with early recurrent miscarriage. <i>Genes and Diseases</i> , <b>2020</b> , 7, 414-423	6.6	2
14	Maternal exposure to CeONPs derails placental development through trophoblast dysfunction mediated by excessive autophagy activation.. <i>Journal of Nanobiotechnology</i> , <b>2022</b> , 20, 131	9.4	2
13	Uterine deficiency of Dnmt3b impairs decidualization and causes consequent embryo implantation defects. <i>Cell Biology and Toxicology</i> , <b>2021</b> , 1	7.4	1
12	Carnitine palmitoyltransferase 1A is essential for decidualization in mice. <i>Theriogenology</i> , <b>2022</b> , 178, 95-103	2.8	1
11	Uterine Dnmt3a is not Required for Mouse Embryo Implantation. <i>Current Molecular Medicine</i> , <b>2020</b> , 20, 633-642	2.5	1
10	Exposure to butylated hydroxytoluene compromises endometrial decidualization during early pregnancy. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 42024-42036	5.1	1
9	High-fat diet-induced obesity primes fatty acid 1oxidation impairment and consequent ovarian dysfunction during early pregnancy. <i>Annals of Translational Medicine</i> , <b>2021</b> , 9, 887	3.2	1
8	Rictor/mTORC2 is involved in endometrial receptivity by regulating epithelial remodeling. <i>FASEB Journal</i> , <b>2021</b> , 35, e21731	0.9	1
7	Exposure to Excessive Estrogen Impairs Homologous Recombination and Oogenesis via Estrogen Receptor 2 in Mice. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 669732	5.7	1
6	Exposure to benzo(a)pyrene suppresses mitophagy via ANT1-PINK1-Parkin pathway in ovarian corpus luteum during early pregnancy.. <i>Science of the Total Environment</i> , <b>2022</b> , 814, 152759	10.2	0
5	In-utero exposure to HT-2 toxin affects meiotic progression and early oogenesis in foetal oocytes by increasing oxidative stress. <i>Environmental Pollution</i> , <b>2021</b> , 279, 116917	9.3	0
4	Exposure to ethephon compromises endometrial decidualization in mice during early pregnancy via GPR120. <i>Ecotoxicology and Environmental Safety</i> , <b>2021</b> , 220, 112361	7	0

- 3 Fetal exposure of Aristolochic Acid I undermines ovarian reserve by disturbing primordial folliculogenesis.. *Ecotoxicology and Environmental Safety*, **2022**, 236, 113480 7 0
- 2 Exposure to ethylparaben and propylparaben interfere with embryo implantation by compromising endometrial decidualization in early pregnant mice. *Journal of Applied Toxicology*, **2021**, 41, 1732-1746 4.1
- 1 The Circ-CYP24A1-miR-224-PRLR Axis Impairs Cell Proliferation and Apoptosis in Recurrent Miscarriage.. *Frontiers in Physiology*, **2022**, 13, 778116 4.6