

Junlin He

List of Publications by Year in descending order

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Version: 2024-02-01

92
papers

2,196
citations

185998

28
h-index

276539

41
g-index

93
all docs

93
docs citations

93
times ranked

2956
citing authors

#	ARTICLE	IF	CITATIONS
1	Pharmacological properties and derivatives of shikoninâ€”A review in recent years. <i>Pharmacological Research</i> , 2019, 149, 104463.	3.1	184
2	DEHP exposure impairs mouse oocyte cyst breakdown and primordial follicle assembly through estrogen receptor-dependent and independent mechanisms. <i>Journal of Hazardous Materials</i> , 2015, 298, 232-240.	6.5	81
3	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> , 2017, 91, 892-899.	5.3	80
4	Target triggered cleavage effect of DNAzyme: Relying on Pd-Pt alloys functionalized Fe-MOFs for amplified detection of Pb ²⁺ . <i>Biosensors and Bioelectronics</i> , 2018, 101, 297-303.	5.3	80
5	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> , 2018, 101, 253-259.	5.3	76
6	mTOR/P70S6K promotes spermatogonia proliferation and spermatogenesis in Sprague Dawley rats. <i>Reproductive BioMedicine Online</i> , 2016, 32, 207-217.	1.1	71
7	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> , 2014, 69, 244-251.	1.8	52
8	Aloe emodin induces hepatotoxicity by activating NF- κ B inflammatory pathway and P53 apoptosis pathway in zebrafish. <i>Toxicology Letters</i> , 2019, 306, 66-79.	0.4	52
9	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> , 2019, 144, 111635.	5.3	50
10	Novel Ce(III)-Metal Organic Framework with a Luminescent Property To Fabricate an Electrochemiluminescence Immunosensor. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 338-346.	4.0	48
11	Foetal-neonatal exposure of Di (2-ethylhexyl) phthalate disrupts ovarian development in mice by inducing autophagy. <i>Journal of Hazardous Materials</i> , 2018, 358, 101-112.	6.5	45
12	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> , 2018, 102, 94-100.	5.3	44
13	Benzo(a)pyrene inhibits migration and invasion of extravillous trophoblast HTRâ€8/SVneo cells via activation of the ERK and JNK pathway. <i>Journal of Applied Toxicology</i> , 2016, 36, 946-955.	1.4	40
14	The role of MTOR in mouse uterus during embryo implantation. <i>Reproduction</i> , 2009, 138, 351-356.	1.1	39
15	A novel electrochemical immunosensor based on the rGO-TEPA-PTC-NH ₂ and AuPt modified C60 bimetallic nanoclusters for the detection of Vangl1, a potential biomarker for dysontogenesis. <i>Biosensors and Bioelectronics</i> , 2016, 79, 364-370.	5.3	39
16	Dandelion-like CuO microspheres decorated with Au nanoparticle modified biosensor for Hg ²⁺ detection using a T-Hg ²⁺ -T triggered hybridization chain reaction amplification strategy. <i>Biosensors and Bioelectronics</i> , 2019, 131, 207-213.	5.3	39
17	Exposure to benzo[a]pyrene impairs decidualization and decidual angiogenesis in mice during early pregnancy. <i>Environmental Pollution</i> , 2017, 222, 523-531.	3.7	38
18	A dual-type responsive electrochemical immunosensor for quantitative detection of PCSK9 based on n-C60-PdPt/N-GNRs and Pt-poly (methylene blue) nanocomposites. <i>Biosensors and Bioelectronics</i> , 2018, 101, 7-13.	5.3	36

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19	Ultrasensitive electrochemical biosensor based on graphite oxide, Prussian blue, and PTC-NH ₂ for the detection of $\hat{1}\pm 2,6$ -sialylated glycans in human serum. <i>Biosensors and Bioelectronics</i> , 2014, 62, 79-83.	5.3	35
20	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> , 2015, 72, 237-246.	5.3	35
21	Ameliorative effect of <i>Atractylodes macrocephala</i> essential oil combined with <i>Panax ginseng</i> total saponins on 5-fluorouracil induced diarrhea is associated with gut microbial modulation. <i>Journal of Ethnopharmacology</i> , 2019, 238, 111887.	2.0	35
22	Sandwich-type biosensor for the detection of $\hat{1}\pm 2,3$ -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> , 2018, 102, 321-327.	5.3	34
23	Trimetallic signal amplification aptasensor for TSP-1 detection based on Ce-MOF@Au and AuPtRu nanocomposites. <i>Biosensors and Bioelectronics</i> , 2019, 132, 302-309.	5.3	33
24	Dibutyl phthalate exposure disrupts the progression of meiotic prophase I by interfering with homologous recombination in fetal mouse oocytes. <i>Environmental Pollution</i> , 2019, 252, 388-398.	3.7	31
25	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> , 2019, 129, 139-146.	5.3	31
26	Effect of folate deficiency on promoter methylation and gene expression of <i>Esr1</i> , <i>Cdh1</i> and <i>Pgr</i> , and its influence on endometrial receptivity and embryo implantation. <i>Human Reproduction</i> , 2012, 27, 2756-2765.	0.4	30
27	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> , 2014, 272, 75-82.	6.5	30
28	Folate deficiency impairs decidualization and alters methylation patterns of the genome in mice. <i>Molecular Human Reproduction</i> , 2015, 21, 844-856.	1.3	30
29	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> , 2019, 117, 109189.	2.5	28
30	A novel DNA biosensor integrated with Polypyrrole/streptavidin and Au-PAMAM-CP bionanocomposite probes to detect the rs4839469 locus of the <i>vangl1</i> gene for dysontogenesis prediction. <i>Biosensors and Bioelectronics</i> , 2016, 80, 674-681.	5.3	27
31	Folate Deficiency Could Restrain Decidual Angiogenesis in Pregnant Mice. <i>Nutrients</i> , 2015, 7, 6425-6445.	1.7	26
32	Rapamycin inhibits spermatogenesis by changing the autophagy status through suppressing mechanistic target of rapamycin-p70S6 kinase in male rats. <i>Molecular Medicine Reports</i> , 2017, 16, 4029-4037.	1.1	25
33	Altered $\hat{1}\pm 2,6$ -GlcNAc and bisecting GlcNAc-branched N-glycan on integrin $\hat{1}\pm 1$ are associated with early spontaneous miscarriage in humans. <i>Human Reproduction</i> , 2015, 30, 2064-2075.	0.4	24
34	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> , 2017, 92, 434-441.	5.3	24
35	Autophagy participates in cyst breakdown and primordial folliculogenesis by reducing reactive oxygen species levels in perinatal mouse ovaries. <i>Journal of Cellular Physiology</i> , 2019, 234, 6125-6135.	2.0	24
36	Enzyme-induced multicolor colorimetric and electrochemiluminescence sensor with a smartphone for visual and selective detection of Hg ²⁺ . <i>Journal of Hazardous Materials</i> , 2021, 415, 125538.	6.5	24

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37	High insulin impaired ovarian function in early pregnant mice and the role of autophagy in this process. <i>Endocrine Journal</i> , 2017, 64, 613-621.	0.7	23
38	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> , 2019, 131, 67-73.	5.3	23
39	Ultra-sensitive detection of microcystin-LR with a new dual-mode aptasensor based on MoS ₂ -PtPd and ZIF-8-Thi-Au. <i>Sensors and Actuators B: Chemical</i> , 2020, 305, 127280.	4.0	23
40	The Differential Expression of MicroRNAs Between Implantation Sites and Interimplantation Sites in Early Pregnancy in Mice and Their Potential Functions. <i>Reproductive Sciences</i> , 2014, 21, 1296-1306.	1.1	21
41	Elevated insulin levels compromise endometrial decidualization in mice with decrease in uterine apoptosis in early-stage pregnancy. <i>Archives of Toxicology</i> , 2019, 93, 3601-3615.	1.9	21
42	Maternal exposure to CeO ₂ NPs during early pregnancy impairs pregnancy by inducing placental abnormalities. <i>Journal of Hazardous Materials</i> , 2020, 389, 121830.	6.5	21
43	Mouse Endometrium Temporal and Spatial Expression mRNA and MicroRNA Associated With Embryo Implantation. <i>Reproductive Sciences</i> , 2015, 22, 1399-1408.	1.1	19
44	Dual-type responsive electrochemical biosensor for the detection of α 2,6-sialylated glycans based on AuNRs-SA coupled with c-SWCNHs/S-PtNC nanocomposites signal amplification. <i>Biosensors and Bioelectronics</i> , 2019, 130, 166-173.	5.3	19
45	Benzo(a)pyrene inhibits endometrial cell apoptosis in early pregnant mice via the WNT5A pathway. <i>Journal of Cellular Physiology</i> , 2019, 234, 11119-11129.	2.0	19
46	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> , 2015, 70, 392-397.	5.3	18
47	Ultrasensitive electrochemical biosensor based on reduced graphene oxide-tetraethylene pentamine-BMIMPF ₆ hybrids for the detection of α 2,6-sialylated glycans in human serum. <i>Biosensors and Bioelectronics</i> , 2015, 74, 953-959.	5.3	18
48	Melatonin alleviates benzo(a)pyrene-induced ovarian corpus luteum dysfunction by suppressing excessive oxidative stress and apoptosis. <i>Ecotoxicology and Environmental Safety</i> , 2021, 207, 111561.	2.9	18
49	Determination of α 2,3-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 <i>Maackia Amurensis</i> . <i>Mikrochimica Acta</i> , 2016, 183, 2337-2344.	2.5	17
50	Immunoassay for netrin 1 via a glassy carbon electrode modified with multi-walled carbon nanotubes, thionine and gold nanoparticles. <i>Mikrochimica Acta</i> , 2015, 182, 2115-2122.	2.5	16
51	Mice endometrium receptivity in early pregnancy is impaired by maternal hyperinsulinemia. <i>Molecular Medicine Reports</i> , 2017, 15, 2503-2510.	1.1	16
52	Decreased autophagy was implicated in the decreased apoptosis during decidualization in early pregnant mice. <i>Journal of Molecular Histology</i> , 2018, 49, 589-597.	1.0	16
53	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> , 2017, 184, 1837-1845.	2.5	14
54	AMPK/mTOR downregulated autophagy enhances aberrant endometrial decidualization in folate-deficient pregnant mice. <i>Journal of Cellular Physiology</i> , 2021, 236, 7376-7389.	2.0	14

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55	A novel ultrasensitive electrochemical immunosensor based on carboxy-endcapped conductive polypyrrole for the detection of gypican-3 in human serum. <i>Analytical Methods</i> , 2015, 7, 1745-1750.	1.3	13
56	Autophagy regulates abnormal placentation induced by folate deficiency in mice. <i>Molecular Human Reproduction</i> , 2019, 25, 305-319.	1.3	13
57	Exposure to Benzo[a]pyrene impairs the corpus luteum vascular network in rats during early pregnancy. <i>Environmental Pollution</i> , 2020, 259, 113915.	3.7	13
58	Endometrial pyruvate kinase M2 is essential for decidualization during early pregnancy. <i>Journal of Endocrinology</i> , 2020, 245, 357-368.	1.2	13
59	Altered expression patterns of circular RNAs between implantation sites and interimplantation sites in early pregnant mice. <i>Journal of Cellular Physiology</i> , 2019, 234, 9862-9872.	2.0	12
60	PdPt nanoparticles anchored on the N-G with the integration of PANI nano hybrids as novel redox probe and catalyst for the detection of rs1801177. <i>Biosensors and Bioelectronics</i> , 2018, 102, 403-410.	5.3	9
61	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> , 2019, 186, 677.	2.5	9
62	CircRNA expression profiles in decidual tissue of patients with early recurrent miscarriage. <i>Genes and Diseases</i> , 2020, 7, 414-423.	1.5	9
63	Hyperinsulinemia restrains endometrial angiogenesis during decidualization in early pregnancy. <i>Journal of Endocrinology</i> , 2019, 243, 137-148.	1.2	9
64	Exposure to butylated hydroxytoluene compromises endometrial decidualization during early pregnancy. <i>Environmental Science and Pollution Research</i> , 2021, 28, 42024-42036.	2.7	8
65	High-fat diet-induced obesity primes fatty acid β -oxidation impairment and consequent ovarian dysfunction during early pregnancy. <i>Annals of Translational Medicine</i> , 2021, 9, 887-887.	0.7	8
66	Maternal exposure to CeO ₂ NPs derails placental development through trophoblast dysfunction mediated by excessive autophagy activation. <i>Journal of Nanobiotechnology</i> , 2022, 20, 131.	4.2	8
67	A new sight for detecting the ADRB1 gene mutation to guide a therapeutic regimen for hypertension based on a CeO ₂ -doped nanoprobe. <i>Biosensors and Bioelectronics</i> , 2017, 92, 402-409.	5.3	7
68	Folate deficiency inhibits the PCP pathway and alters genomic methylation levels during embryonic development. <i>Journal of Cellular Physiology</i> , 2018, 233, 7333-7342.	2.0	7
69	Fetal exposure of Aristolochic Acid I undermines ovarian reserve by disturbing primordial folliculogenesis. <i>Ecotoxicology and Environmental Safety</i> , 2022, 236, 113480.	2.9	7
70	Expression of KRAS in the endometrium of early pregnant mice and its effect during embryo implantation. <i>Reproductive BioMedicine Online</i> , 2015, 31, 51-61.	1.1	6
71	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> , 2015, 5, 88392-88400.	1.7	6
72	The homologous genes Vangl1 and Vangl2 are required for embryo implantation in the uterus of mice during early pregnancy. <i>Gene</i> , 2015, 555, 140-149.	1.0	6

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73	SPOP Regulates Endometrial Stromal Cell Decidualization in Mice. <i>Reproductive Sciences</i> , 2016, 23, 1565-1574.	1.1	6
74	Rotenone-induced energy stress decompensated in ventral mesocerebrum is associated with Parkinsonism progression in rats. <i>Experimental and Therapeutic Medicine</i> , 2016, 12, 1060-1066.	0.8	6
75	Expression and function of Pdc4 in mouse endometrium during early pregnancy. <i>Reproduction</i> , 2018, 155, 393-402.	1.1	6
76	Rictor/mTORC2 is involved in endometrial receptivity by regulating epithelial remodeling. <i>FASEB Journal</i> , 2021, 35, e21731.	0.2	6
77	In utero Exposure to Excessive Estrogen Impairs Homologous Recombination and Oogenesis via Estrogen Receptor 2 in Mice. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 669732.	1.8	6
78	Expression of DROSHA in the Uterus of Mice in Early Pregnancy and Its Potential Significance During Embryo Implantation. <i>Reproductive Sciences</i> , 2016, 23, 154-162.	1.1	5
79	A novel light-electricity sensing method for PCSK9 detection based on s-PdNFs with multifunctional property. <i>Biosensors and Bioelectronics</i> , 2019, 144, 111575.	5.3	5
80	Exposure to ethephon compromises endometrial decidualization in mice during early pregnancy via GPR120. <i>Ecotoxicology and Environmental Safety</i> , 2021, 220, 112361.	2.9	5
81	Multi-purpose electrochemical biosensor based on a "green" homobifunctional cross-linker coupled with PAMAM dendrimer grafted p-MWCNTs as a platform: application to detect $\hat{\pm}2,3$ -sialylated glycans and $\hat{\pm}2,6$ -sialylated glycans in human serum. <i>RSC Advances</i> , 2016, 6, 44865-44872.	1.7	4
82	A palladium-platinum bimetal nanodendritic melamine network for signal amplification in voltammetric sensing of DNA. <i>Mikrochimica Acta</i> , 2018, 185, 138.	2.5	4
83	Roles of DEK in the endometrium of mice in early pregnancy. <i>Gene</i> , 2018, 642, 261-267.	1.0	3
84	Exposure to ethylparaben and propylparaben interfere with embryo implantation by compromising endometrial decidualization in early pregnant mice. <i>Journal of Applied Toxicology</i> , 2021, 41, 1732-1746.	1.4	3
85	In-utero exposure to HT-2 toxin affects meiotic progression and early oogenesis in foetal oocytes by increasing oxidative stress. <i>Environmental Pollution</i> , 2021, 279, 116917.	3.7	3
86	The Circ-CYP24A1-miR-224-PRLR Axis Impairs Cell Proliferation and Apoptosis in Recurrent Miscarriage. <i>Frontiers in Physiology</i> , 2022, 13, 778116.	1.3	3
87	A switched catalysis qualified sealers capped one-step synthesis biocompatibility bimetallic scaffold film for Neu5Ac $\hat{\pm}(2-6)$ Gal $\hat{\pm}2$ MP Glycoside specific detection. <i>Biosensors and Bioelectronics</i> , 2016, 77, 853-859.	5.3	2
88	The regulation of high insulin levels on ovary apoptosis in early pregnant mice. <i>Biochemical and Biophysical Research Communications</i> , 2017, 483, 786-792.	1.0	2
89	Carnitine palmitoyltransferase 1A is essential for decidualization in mice. <i>Theriogenology</i> , 2022, 178, 95-103.	0.9	2
90	Uterine Dnmt3a is not Required for Mouse Embryo Implantation. <i>Current Molecular Medicine</i> , 2020, 20, 633-642.	0.6	2

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91	Uterine deficiency of Dnmt3b impairs decidualization and causes consequent embryo implantation defects. Cell Biology and Toxicology, 2021, , 1.	2.4	2
92	Exposure to benzo(a)pyrene suppresses mitophagy via ANT1-PINK1-Parkin pathway in ovarian corpus luteum during early pregnancy. Science of the Total Environment, 2022, 814, 152759.	3.9	2