

Huan Xu

List of Publications by Year in descending order

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518
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#	ARTICLE	IF	CITATIONS
1	Analyte Regeneration Fluorescent Probes for Formaldehyde Enabled by Regiospecific Formaldehyde-Induced Intramolecularity. <i>Journal of the American Chemical Society</i> , 2018, 140, 16408-16412.	6.6	60
2	Investigation of the Relationship Between H ₂ O ₂ and HClO in Living Cells by a Bifunctional, Dual-ratiometric Responsive Fluorescent Probe. <i>Analytical Chemistry</i> , 2020, 92, 5134-5142.	3.2	56
3	Fluorescent Detection of Dynamic H ₂ O ₂ /H ₂ S Redox Event in Living Cells and Organisms. <i>Analytical Chemistry</i> , 2020, 92, 4387-4394.	3.2	48
4	Differential sensitivities of bone marrow, spleen and thymus to genotoxicity induced by environmentally relevant concentrations of arsenite. <i>Toxicology Letters</i> , 2016, 262, 55-61.	0.4	26
5	Environmentally Relevant Concentrations of Arsenite Induce Dose-Dependent Differential Genotoxicity Through Poly(ADP-Ribose) Polymerase Inhibition and Oxidative Stress in Mouse Thymus Cells. <i>Toxicological Sciences</i> , 2016, 149, 31-41.	1.4	24
6	S-nitrosation on zinc finger motif of PARP-1 as a mechanism of DNA repair inhibition by arsenite. <i>Oncotarget</i> , 2016, 7, 80482-80492.	0.8	22
7	Toxicity of environmentally-relevant concentrations of arsenic on developing T lymphocyte. <i>Environmental Toxicology and Pharmacology</i> , 2018, 62, 107-113.	2.0	21
8	Monomethylarsonous acid (MMA ⁺³) Inhibits IL-7 Signaling in Mouse Pre-B Cells. <i>Toxicological Sciences</i> , 2016, 149, 289-299.	1.4	20
9	Low level arsenite exposures suppress the development of bone marrow erythroid progenitors and result in anemia in adult male mice. <i>Toxicology Letters</i> , 2017, 273, 106-111.	0.4	19
10	Inhibition of red blood cell development by arsenic-induced disruption of GATA-1. <i>Scientific Reports</i> , 2020, 10, 19055.	1.6	18
11	Fluorophore-Promoted Facile Deprotonation and Exocyclic Five-Membered Ring Cyclization for Selective and Dynamic Tracking of Labile Glyoxals. <i>Analytical Chemistry</i> , 2020, 92, 13829-13838.	3.2	18
12	Environmentally relevant concentrations of arsenite and monomethylarsonous acid inhibit IL-7/STAT5 cytokine signaling pathways in mouse CD3+CD4-CD8- double negative thymus cells. <i>Toxicology Letters</i> , 2016, 247, 62-68.	0.4	16
13	Editor's Highlight: Interactive Genotoxicity Induced by Environmentally Relevant Concentrations of Benzo(a)Pyrene Metabolites and Arsenite in Mouse Thymus Cells. <i>Toxicological Sciences</i> , 2016, 154, 153-161.	1.4	16
14	A naphthalimide-aminal-based pH-sensitive fluorescent donor for lysosome-targeted formaldehyde release and fluorescence turn-on readout. <i>Chemical Communications</i> , 2019, 55, 7053-7056.	2.2	16
15	Genotoxicity induced by monomethylarsonous acid (MMA ⁺³) in mouse thymic developing T cells. <i>Toxicology Letters</i> , 2017, 279, 60-66.	0.4	14
16	Minimal uranium accumulation in lymphoid tissues following an oral 60-day uranyl acetate exposure in male and female C57BL/6J mice. <i>PLoS ONE</i> , 2018, 13, e0205211.	1.1	14
17	Functional suppression of macrophages derived from THP-1 cells by environmentally-relevant concentrations of arsenite. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2018, 214, 36-42.	1.3	13
18	A PET-based fluorescent probe for monitoring labile Fe(II) pools in macrophage activations and ferroptosis. <i>Chemical Communications</i> , 2022, 58, 2979-2982.	2.2	13

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19	A compact fluorescence/circular dichroism dual-modality probe for detection, differentiation, and detoxification of multiple heavy metal ions via bond-cleavage cascade reactions. <i>Chinese Chemical Letters</i> , 2021, 32, 3876-3881.	4.8	12
20	Formaldehyde reinforces pro-inflammatory responses of macrophages through induction of glycolysis. <i>Chemosphere</i> , 2021, 282, 131149.	4.2	12
21	Efflux Transporters Regulate Arsenite-Induced Genotoxicity in Double Negative and Double Positive T Cells. <i>Toxicological Sciences</i> , 2017, 158, 127-139.	1.4	10
22	Mebendazole is a potent inhibitor to chemoresistant T cell acute lymphoblastic leukemia cells. <i>Toxicology and Applied Pharmacology</i> , 2020, 396, 115001.	1.3	10
23	An AND-logic-gate-based fluorescent probe with dual reactive sites for monitoring extracellular methylglyoxal level changes of activated macrophages. <i>Chemical Communications</i> , 2021, 57, 8166-8169.	2.2	9
24	Evaluation of Toxicity in Mouse Bone Marrow Progenitor Cells. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]</i> , 2016, 67, 18.9.1-18.9.12.	1.1	7
25	Arsenite and monomethylarsonous acid disrupt erythropoiesis through combined effects on differentiation and survival pathways in early erythroid progenitors. <i>Toxicology Letters</i> , 2021, 350, 111-120.	0.4	6
26	Methylglyoxal produced by tumor cells through formaldehyde-enhanced Warburg effect potentiated polarization of tumor-associated macrophages. <i>Toxicology and Applied Pharmacology</i> , 2022, 438, 115910.	1.3	5
27	Monomethylarsonous acid: Induction of DNA damage and oxidative stress in mouse natural killer cells at environmentally-relevant concentrations. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2018, 832-833, 1-6.	0.9	3
28	Orlistat increases arsenite tolerance in THP-1 derived macrophages through the up-regulation of ABCA1. <i>Drug and Chemical Toxicology</i> , 2022, 45, 274-282.	1.2	3
29	Formaldehyde inhibits development of T lymphocytes in mice. <i>Toxicological and Environmental Chemistry</i> , 2020, 102, 473-489.	0.6	3
30	Arsenite inhibits M2a polarization of macrophages through downregulation of peroxisome proliferator-activated receptor gamma. <i>Toxicology and Applied Pharmacology</i> , 2022, 450, 116142.	1.3	2
31	Myricetin protects natural killer cells from arsenite induced DNA damage by attenuating oxidative stress and retaining poly(ADP-Ribose) polymerase 1 activity. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2021, 865, 503337.	0.9	1
32	An anthracenecarboximide-guanidine fluorescent probe for selective detection of glyoxals under weak acidic conditions. <i>RSC Advances</i> , 2022, 12, 9473-9477.	1.7	1