

Mary Ann Sens

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100
papers

2,771
citations

25
h-index

49
g-index

100
ext. papers

3,065
ext. citations

4.2
avg. IF

4.59
L-index

#	Paper	IF	Citations
100	Cadmium, environmental exposure, and health outcomes. <i>Environmental Health Perspectives</i> , 2010 , 118, 182-90	8.4	645
99	Tissue culture of human kidney epithelial cells of proximal tubule origin. <i>Kidney International</i> , 1984 , 25, 383-90	9.9	250
98	Isoform-specific expression of metallothionein mRNA in the developing and adult human kidney. <i>Toxicology Letters</i> , 1996 , 85, 17-27	4.4	96
97	Inorganic cadmium- and arsenite-induced malignant transformation of human bladder urothelial cells. <i>Toxicological Sciences</i> , 2004 , 79, 56-63	4.4	90
96	Expression of MT-3 protein in the human kidney. <i>Toxicology Letters</i> , 1999 , 105, 207-14	4.4	79
95	Expression of MT-3 mRNA in human kidney, proximal tubule cell cultures, and renal cell carcinoma. <i>Toxicology Letters</i> , 1997 , 92, 149-60	4.4	77
94	Metallothionein isoform 3 overexpression is associated with breast cancers having a poor prognosis. <i>American Journal of Pathology</i> , 2001 , 159, 21-6	5.8	72
93	Metallothionein isoform 3 expression in the human prostate and cancer-derived cell lines. <i>Prostate</i> , 1999 , 41, 196-202	4.2	49
92	Metallothionein isoform 1 and 2 gene expression in the human prostate: downregulation of MT-1X in advanced prostate cancer. <i>Prostate</i> , 2000 , 43, 125-35	4.2	46
91	Overall Postneonatal Mortality and Rates of SIDS. <i>Pediatrics</i> , 2016 , 137,	7.4	44
90	Expression of hsp 27, hsp 60, hsc 70, and hsp 70 stress response genes in cultured human urothelial cells (UROtsa) exposed to lethal and sublethal concentrations of sodium arsenite. <i>Environmental Health Perspectives</i> , 2002 , 110, 1225-32	8.4	43
89	Transient induction of metallothionein isoform 3 (MT-3), c-fos, c-jun and c-myc in human proximal tubule cells exposed to cadmium. <i>Toxicology Letters</i> , 2002 , 126, 69-80	4.4	43
88	Fatal <i>Streptobacillus moniliformis</i> infection in a two-month-old infant. <i>American Journal of Clinical Pathology</i> , 1989 , 91, 612-6	1.9	43
87	Differences in the epigenetic regulation of MT-3 gene expression between parental and Cd+2 or As+3 transformed human urothelial cells. <i>Cancer Cell International</i> , 2011 , 11, 2	6.4	40
86	Metallothionein isoform 3 expression inhibits cell growth and increases drug resistance of PC-3 prostate cancer cells. <i>Prostate</i> , 2002 , 52, 89-97	4.2	40
85	Expression of metallothionein isoform 3 (MT-3) determines the choice between apoptotic or necrotic cell death in Cd+2-exposed human proximal tubule cells. <i>Toxicological Sciences</i> , 2004 , 80, 358-66	4.4	39
84	Inconsistent classification of unexplained sudden deaths in infants and children hinders surveillance, prevention and research: recommendations from The 3rd International Congress on Sudden Infant and Child Death. <i>Forensic Science, Medicine, and Pathology</i> , 2019 , 15, 622-628	1.5	32

83	Metallothionein isoform 3 and proximal tubule vectorial active transport. <i>Kidney International</i> , 2002 , 61, 464-72	9.9	32
82	Expression of hsp 90 in the human kidney and in proximal tubule cells exposed to heat, sodium arsenite and cadmium chloride. <i>Toxicology Letters</i> , 2002 , 133, 241-54	4.4	32
81	Drinking and smoking patterns during pregnancy: Development of group-based trajectories in the Safe Passage Study. <i>Alcohol</i> , 2017 , 62, 49-60	2.7	30
80	Keratin 6 expression correlates to areas of squamous differentiation in multiple independent isolates of As(+3)-induced bladder cancer. <i>Journal of Applied Toxicology</i> , 2010 , 30, 416-30	4.1	28
79	A practical classification schema incorporating consideration of possible asphyxia in cases of sudden unexpected infant death. <i>Forensic Science, Medicine, and Pathology</i> , 2009 , 5, 254-60	1.5	27
78	Expression of hsp 27, hsp 60, hsc 70, and hsp 70 by immortalized human proximal tubule cells (HK-2) following exposure to heat shock, sodium arsenite, or cadmium chloride. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2001 , 63, 475-93	3.2	26
77	Expression of heat shock protein 60 in human proximal tubule cells exposed to heat, sodium arsenite and CdCl ₂ . <i>Toxicology Letters</i> , 2000 , 115, 127-36	4.4	26
76	Expression of heat shock protein 27 in developing and adult human kidney. <i>Toxicology Letters</i> , 1996 , 84, 69-79	4.4	26
75	Tissue culture of human renal epithelial cells using a defined serum-free growth formulation. <i>Nephron Experimental Nephrology</i> , 1999 , 7, 344-52		25
74	Concurrent prenatal drinking and smoking increases risk for SIDS: Safe Passage Study report. <i>EClinicalMedicine</i> , 2020 , 19, 100247	11.3	24
73	Basal and metal-induced expression of metallothionein isoform 1 and 2 genes in the RWPE-1 human prostate epithelial cell line. <i>Journal of Applied Toxicology</i> , 2008 , 28, 283-93	4.1	23
72	Expression of the Constitutive and Inducible Forms of Heat Shock Protein 70 in Human Proximal Tubule Cells Exposed to Heat, Sodium Arsenite, and CdCl ₂ . <i>Environmental Health Perspectives</i> , 1999 , 107, 887	8.4	23
71	Absence of Metallothionein 3 Expression in Breast Cancer is a Rare, But Favorable Marker of Outcome that is Under Epigenetic Control. <i>Toxicological and Environmental Chemistry</i> , 2010 , 92, 1673-1695	1.4	22
70	Arsenic, cadmium and neuron specific enolase (ENO2, β -enolase) expression in breast cancer. <i>Cancer Cell International</i> , 2011 , 11, 41	6.4	21
69	Stable transfection and overexpression of metallothionein isoform 3 inhibits the growth of MCF-7 and Hs578T cells but not that of T-47D or MDA-MB-231 cells. <i>Breast Cancer Research and Treatment</i> , 2003 , 80, 181-91	4.4	21
68	Heat Shock Protein 27 Expression in Human Proximal Tubule Cells Exposed to Lethal and Sublethal Concentrations of CdCl ₂ . <i>Environmental Health Perspectives</i> , 1999 , 107, 545	8.4	21
67	Cadmium, vectorial active transport, and MT-3-dependent regulation of cadherin expression in human proximal tubular cells. <i>Toxicological Sciences</i> , 2008 , 102, 310-8	4.4	20
66	Metallothionein-1 and -2 expression in cadmium- or arsenic-derived human malignant urothelial cells and tumor heterotransplants and as a prognostic indicator in human bladder cancer. <i>Toxicological Sciences</i> , 2006 , 91, 467-75	4.4	20

65	Urothelial cells malignantly transformed by exposure to cadmium (Cd(+2)) and arsenite (As(+3)) have increased resistance to Cd(+2) and As(+3)-induced cell death. <i>Toxicological Sciences</i> , 2006 , 94, 293-304	4.4	19
64	Enhanced expression of metallothionein isoform 3 protein in tumor heterotransplants derived from As+3- and Cd+2-transformed human urothelial cells. <i>Toxicological Sciences</i> , 2006 , 93, 322-30	4.4	19
63	The unique N-terminal sequence of metallothionein-3 is required to regulate the choice between apoptotic or necrotic cell death of human proximal tubule cells exposed to Cd+2. <i>Toxicological Sciences</i> , 2006 , 90, 369-76	4.4	19
62	Cell culture and characterization of human minor salivary gland duct cells. <i>Journal of Oral Pathology and Medicine</i> , 1989 , 18, 214-9	3.3	19
61	SPARC gene expression is repressed in human urothelial cells (UROtsa) exposed to or malignantly transformed by cadmium or arsenite. <i>Toxicology Letters</i> , 2010 , 199, 166-72	4.4	18
60	Post-transcriptional regulation of metallothionein isoform 1 and 2 expression in the human breast and the MCF-10A cell line. <i>Toxicological Sciences</i> , 2005 , 85, 906-15	4.4	18
59	Cadmium nephrotoxicity in human proximal tubule cell cultures. <i>In Vitro Cellular & Developmental Biology</i> , 1989 , 25, 784-90		18
58	Kindlin-2 expression in arsenite- and cadmium-transformed bladder cancer cell lines and in archival specimens of human bladder cancer. <i>Urology</i> , 2011 , 77, 1507.e1-7	1.6	17
57	ZIP8 expression in human proximal tubule cells, human urothelial cells transformed by Cd+2 and As+3 and in specimens of normal human urothelium and urothelial cancer. <i>Cancer Cell International</i> , 2012 , 12, 16	6.4	16
56	Elevated glucose alters paracellular transport of cultured human proximal tubule cells. <i>Kidney International</i> , 1989 , 35, 31-9	9.9	16
55	Unexpected neoplasia in autopsies: potential implications for tissue and organ safety. <i>Archives of Pathology and Laboratory Medicine</i> , 2009 , 133, 1923-31	5	16
54	Simple method for identification of metallothionein isoforms in cultured human prostate cells by MALDI-TOF/TOF mass spectrometry. <i>Analytical Chemistry</i> , 2007 , 79, 4433-41	7.8	15
53	Variation in the electrical properties of cultured human proximal tubule cells. <i>In Vitro Cellular & Developmental Biology</i> , 1993 , 29A, 371-8		15
52	A modified Timeline Followback assessment to capture alcohol exposure in pregnant women: Application in the Safe Passage Study. <i>Alcohol</i> , 2017 , 62, 17-27	2.7	14
51	Zinc transporter mRNA expression in the RWPE-1 human prostate epithelial cell line. <i>BioMetals</i> , 2008 , 21, 405-16	3.4	14
50	Automatic quantitation of cell growth and determination of mitotic index using DAPI nuclear staining. <i>Pediatric Pathology</i> , 1993 , 13, 249-65		14
49	Application of a classification system focusing on potential asphyxia for cases of sudden unexpected infant death. <i>Forensic Science, Medicine, and Pathology</i> , 2012 , 8, 34-9	1.5	13
48	Increased neuron specific enolase expression by urothelial cells exposed to or malignantly transformed by exposure to Cd ²⁺ or As ³⁺ . <i>Toxicology Letters</i> , 2012 , 212, 66-74	4.4	13

47	Microarray analysis of gene expression patterns in human proximal tubule cells over a short and long time course of cadmium exposure. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2011 , 74, 24-42	3.2	13
46	Variation of keratin 7 expression and other phenotypic characteristics of independent isolates of cadmium transformed human urothelial cells (UROtsa). <i>Chemical Research in Toxicology</i> , 2010 , 23, 348-56 ⁴		13
45	Transformation of human urothelial cells (UROtsa) by as and cd induces the expression of keratin 6a. <i>Environmental Health Perspectives</i> , 2008 , 116, 434-40	8.4	13
44	Comparison of expression patterns of keratin 6, 7, 16, 17, and 19 within multiple independent isolates of As(+3)- and Cd (+2)-induced bladder cancer : keratin 6, 7, 16, 17, and 19 in bladder cancer. <i>Cell Biology and Toxicology</i> , 2011 , 27, 381-96	7.4	12
43	Ultrastructural and immunohistochemical characterization of submandibular duct cells in culture and modification of outgrowth differentiation by manipulation of calcium ion concentration. <i>In Vitro Cellular & Developmental Biology</i> , 1988 , 24, 593-600		12
42	Metallothionein isoform 1 and 2 gene expression in a human urothelial cell line (UROtsa) exposed to CdCl ₂ and NaAsO ₂ . <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2003 , 66, 2031-46	1	12
41	Metallothionein isoform 3 expression in human skin, related cancers and human skin derived cell cultures. <i>Toxicology Letters</i> , 2015 , 232, 141-8	4.4	11
40	Exposure of human proximal tubule cells to cytotoxic levels of CdCl ₂ induces the additional expression of metallothionein 1A mRNA. <i>Toxicology Letters</i> , 1995 , 76, 209-17	4.4	11
39	Progressive primary pulmonary tuberculosis presenting as the sudden unexpected death in infancy: a case report. <i>Forensic Science International</i> , 2011 , 206, e27-30	2.6	10
38	Beclin-1 expression in normal bladder and in Cd ²⁺ and As ³⁺ exposed and transformed human urothelial cells (UROtsa). <i>Toxicology Letters</i> , 2010 , 195, 15-22	4.4	10
37	Acute exposure to arsenite induces metallothionein isoform-specific gene expression in human proximal tubule cells. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2001 , 64, 343-55	3.2	10
36	An electrophysiological freeze fracture assessment of cadmium nephrotoxicity in vitro. <i>In Vitro Cellular & Developmental Biology</i> , 1989 , 25, 791-9		10
35	The Stillbirth Classification System for the Safe Passage Study. <i>Pediatric and Developmental Pathology</i> , 2017 , 20, 120-132	2.2	9
34	Aminoglycoside antibiotics alter the electrogenic transport properties of cultured human proximal tubule cells. <i>Toxicologic Pathology</i> , 1992 , 20, 608-16	2.1	9
33	Cadherin expression, vectorial active transport, and metallothionein isoform 3 mediated EMT/MET responses in cultured primary and immortalized human proximal tubule cells. <i>PLoS ONE</i> , 2015 , 10, e0120132 ^{3,7}	3.7	9
32	The urothelial cell line UROtsa transformed by arsenite and cadmium display basal characteristics associated with muscle invasive urothelial cancers. <i>PLoS ONE</i> , 2018 , 13, e0207877	3.7	9
31	The expression of keratin 6 is regulated by the activation of the ERK1/2 pathway in arsenite transformed human urothelial cells. <i>Toxicology and Applied Pharmacology</i> , 2017 , 331, 41-53	4.6	8
30	County level incidence rates of chronic lymphocytic leukemia are associated with residential radon levels. <i>Future Oncology</i> , 2017 , 13, 1873-1881	3.6	8

29	Expression of metallothionein isoform 3 is restricted at the post-transcriptional level in human bladder epithelial cells. <i>Toxicological Sciences</i> , 2005 , 87, 66-74	4.4	8
28	Serum-free culture and characterization of renal epithelial cells isolated from human fetal kidneys of varying gestational age. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 1994 , 30A, 356-65	2.6	8
27	Induction of metallothionein mRNA and protein following exposure of cultured human proximal tubule cells to cadmium. <i>Toxicology Letters</i> , 1994 , 71, 111-22	4.4	8
26	Tissue culture of normal and cystic fibrosis sweat gland duct cells. I. Alterations in dome formation. <i>Pediatric Research</i> , 1987 , 21, 72-8	3.2	8
25	Hepatic hemangioendothelioma presenting as sudden unexpected death in infancy: a case report. <i>Pediatric and Developmental Pathology</i> , 2011 , 14, 71-4	2.2	7
24	In situ freeze-fracture of monolayer cell cultures grown on a permeable support. <i>Microscopy Research and Technique</i> , 1992 , 22, 301-5	2.8	7
23	The Institution of a Standardized Investigation Protocol for Sudden Infant Death in the Eastern Metropole, Cape Town, South Africa. <i>Journal of Forensic Sciences</i> , 2016 , 61, 1508-1514	1.8	7
22	Expression of Heat Shock Protein 27 in Adult and Fetal Bladder and in Patients with Interstitial Cystitis. <i>Journal of Urologic Pathology</i> , 1998 , 9, 1-16		6
21	STEERing an IDEa in Undergraduate Research at a Rural Research Intensive University. <i>Academic Pathology</i> , 2017 , 4, 2374289517735092	1.3	5
20	Heterogeneity in the amount of ionic cadmium necessary to elicit cell death in independent cultures of human proximal tubule cells. <i>Toxicology Letters</i> , 1994 , 70, 185-91	4.4	5
19	Tissue culture of epithelial cells from urine. I. Serum-free growth of cells from newborn infants. <i>Pediatric Pathology</i> , 1984 , 2, 153-63		5
18	The resistance of metallothionein to proteolytic digestion: an LC-MS/MS analysis. <i>Electrophoresis</i> , 2007 , 28, 2942-52	3.6	4
17	Aminoglycoside antibiotics alter the paracellular transport properties of cultured human proximal tubule cells. <i>Toxicologic Pathology</i> , 1994 , 22, 56-67	2.1	4
16	Tissue culture of epithelial cells from urine. II. Application to patients with cystic fibrosis. <i>Pediatric Pathology</i> , 1984 , 2, 165-70		4
15	Forensic Autopsy Experience and Core Entrustable Professional Activities: A Structured Introduction to Autopsy Pathology for Preclinical Student. <i>Academic Pathology</i> , 2019 , 6, 2374289519831930	1.3	3
14	Alterations in metal toxicity and metal-induced metallothionein gene expression elicited by growth medium calcium concentration. <i>Cell Biology and Toxicology</i> , 2008 , 24, 273-81	7.4	3
13	Characterization of a monoclonal antibody recognizing the blastemal element of Wilms tumors and fetal kidneys. <i>Pediatric Pathology</i> , 1994 , 14, 849-62		3
12	Expression of Heat Shock Protein 60 Is Reduced in the Bladder of Patients with Interstitial Cystitis. <i>Journal of Urologic Pathology</i> , 1999 , 10, 97-108		3

11	Metallothionein isoform gene expression in four human bladder cancer cell lines 1999 , 607-612		3
10	Aberrant Expression of ZIP and ZnT Zinc Transporters in UROtsa Cells Transformed to Malignant Cells by Cadmium. <i>Stresses</i> , 2021 , 1, 78-89		3
9	Protocols, practices, and needs for investigating sudden unexpected infant deaths. <i>Forensic Science, Medicine, and Pathology</i> , 2020 , 16, 91-98	1.5	2
8	Zinc, Zinc Transporters, and Cadmium Cytotoxicity in a Cell Culture Model of Human Urothelium. <i>Toxics</i> , 2021 , 9,	4.7	2
7	Half Century Since SIDS: A Reappraisal of Terminology. <i>Pediatrics</i> , 2021 , 148,	7.4	2
6	Characterization of a monoclonal antibody recognizing selective epithelial elements of WilmsU tumors and fetal kidneys. <i>Pediatric Pathology</i> , 1994 , 14, 833-47		1
5	Selective exposure of human proximal tubule cells to gentamicin provides evidence for a basolateral component of toxicity. <i>Toxicology Letters</i> , 1994 , 74, 1-13	4.4	1
4	Subcellular partitioning of Kaiso (ZBTB33) as a biomarker to predict overall breast cancer survival.. <i>Journal of Clinical Oncology</i> , 2020 , 38, 3534-3534	2.2	1
3	Nicotinic Receptors in the Brainstem Ascending Arousal System in SIDS With Analysis of Pre-natal Exposures to Maternal Smoking and Alcohol in High-Risk Populations of the Safe Passage Study. <i>Frontiers in Neurology</i> , 2021 , 12, 636668	4.1	1
2	Activation of PPAR α and inhibition of cell proliferation reduces key proteins associated with the basal subtype of bladder cancer in As3+-transformed UROtsa cells. <i>PLoS ONE</i> , 2020 , 15, e0237976	3.7	0
1	Commentary on: Dror IE, Melinek J, Arden JL, Kukucka J, Hawkins S, Carter J, et al. Cognitive bias in forensic pathology decisions. <i>J Forensic Sci.</i> https://doi.org/10.1111/1556-4029.14697 . Epub 2021 Feb 20. <i>Journal of Forensic Sciences</i> , 2021 , 66, 2541-2544	1.8	0