Mary Ann Sens

List of Publications by Year
in descending order

100 papers	3,449 citations	201674 27 h-index	161849 54 g-index
100 all docs	100 docs citations	100 times ranked	3460 citing authors

#	Article	IF	Citations
1	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. Frontiers in Neurology, 2021, 12, 636668.	2.4	8
2	Zinc, Zinc Transporters, and Cadmium Cytotoxicity in a Cell Culture Model of Human Urothelium. Toxics, 2021, 9, 94.	3.7	9
3	Aberrant Expression of ZIP and ZnT Zinc Transporters in UROtsa Cells Transformed to Malignant Cells by Cadmium. Stresses, 2021, 1, 78-89.	4.8	7
4	Half Century Since SIDS: A Reappraisal of Terminology. Pediatrics, 2021, 148, .	2.1	16
5	Commentary on: Dror IE, Melinek J, Arden JL, Kukucka J, Hawkins S, Carter J, et al. Cognitive bias in forensic pathology decisions. J Forensic Sci. https://doi.org/10.1111/1556â€4029.14697. Epub 2021 Feb 20.. Journal of Forensic Sciences, 2021, 66, 2541-2544.	1.6	2
6	Protocols, practices, and needs for investigating sudden unexpected infant deaths. Forensic Science, Medicine, and Pathology, 2020, 16, 91-98.	1.4	8
7	Activation of PPARÎ³ and inhibition of cell proliferation reduces key proteins associated with the basal subtype of bladder cancer in As3+-transformed UROtsa cells. PLoS ONE, 2020, 15, e0237976.	2.5	4
8	Concurrent prenatal drinking and smoking increases risk for SIDS: Safe Passage Study report. EClinicalMedicine, 2020, 19, 100247.	7.1	55
9	Subcellular partitioning of Kaiso (ZBTB33) as a biomarker to predict overall breast cancer survival.. Journal of Clinical Oncology, 2020, 38, 3534-3534.	1.6	3
10	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. Forensic Science, Medicine, and Pathology, 2019, 15, 622-628.	1.4	62
11	Forensic Autopsy Experience and Core Entrustable Professional Activities: A Structured Introduction to Autopsy Pathology for Preclinical Student. Academic Pathology, 2019, 6, 2374289519831930.	1.1	5
12	The urothelial cell line UROtsa transformed by arsenite and cadmium display basal characteristics associated with muscle invasive urothelial cancers. PLoS ONE, 2018, 13, e0207877.	2.5	15
13	The Stillbirth Classification System for the Safe Passage Study. Pediatric and Developmental Pathology, 2017, 20, 120-132.	1.0	13
14	A modified Timeline Followback assessment to capture alcohol exposure in pregnant women: Application in the Safe Passage Study. Alcohol, 2017, 62, 17-27.	1.7	28
15	The expression of keratin 6 is regulated by the activation of the ERK1/2 pathway in arsenite transformed human urothelial cells. Toxicology and Applied Pharmacology, 2017, 331, 41-53.	2.8	9
16	County level incidence rates of chronic lymphocytic leukemia are associated with residential radon levels. Future Oncology, 2017, 13, 1873-1881.	2.4	10
17	Drinking and smoking patterns during pregnancy: Development of group-based trajectories in the Safe Passage Study. Alcohol, 2017, 62, 49-60.	1.7	45
18	STEERing an IDeA in Undergraduate Research at a Rural Research Intensive University. Academic Pathology, 2017, 4, 2374289517735092.	1.1	9

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19	The Institution of a Standardized Investigation Protocol for Sudden Infant Death in the Eastern Metropole, Cape Town, South Africa[,][,]. Journal of Forensic Sciences, 2016, 61, 1508-1514.	1.6	9
20	Overall Postneonatal Mortality and Rates of SIDS. Pediatrics, 2016, 137, .	2.1	63
21	Metallothionein isoform 3 expression in human skin, related cancers and human skin derived cell cultures. Toxicology Letters, 2015, 232, 141-148.	0.8	12
22	Cadherin Expression, Vectorial Active Transport, and Metallothionein Isoform 3 Mediated EMT/MET Responses in Cultured Primary and Immortalized Human Proximal Tubule Cells. PLoS ONE, 2015, 10, e0120132.	2.5	12
23	Increased neuron specific enolase expression by urothelial cells exposed to or malignantly transformed by exposure to Cd2+ or As3+. Toxicology Letters, 2012, 212, 66-74.	0.8	16
24	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. Cancer Cell International, 2012, 12, 16.	4.1	22
25	Application of a classification system focusing on potential asphyxia for cases of sudden unexpected infant death. Forensic Science, Medicine, and Pathology, 2012, 8, 34-39.	1.4	13
26	Kindlin-2 Expression in Arsenite- and Cadmium-transformed Bladder Cancer Cell Lines and in Archival Specimens of Human Bladder Cancer. Urology, 2011, 77, 1507.e1-1507.e7.	1.0	24
27	Differences in the epigenetic regulation of MT-3 gene expression between parental and Cd+2 or As+3 transformed human urothelial cells. Cancer Cell International, 2011, 11, 2.	4.1	46
28	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. Cell Biology and Toxicology, 2011, 27, 381-396.	5.3	14
29	Arsenic, cadmium and neuron specific enolase (ENO2, Î³-enolase) expression in breast cancer. Cancer Cell International, 2011, 11, 41.	4.1	32
30	Progressive primary pulmonary tuberculosis presenting as the sudden unexpected death in infancy: A case report. Forensic Science International, 2011, 206, e27-e30.	2.2	12
31	Hepatic Hemangioendothelioma Presenting as Sudden Unexpected Death in Infancy: A Case Report. Pediatric and Developmental Pathology, 2011, 14, 71-74.	1.0	7
32	Keratin 6 expression correlates to areas of squamous differentiation in multiple independent isolates of As⁺³â€induced bladder cancer. Journal of Applied Toxicology, 2010, 30, 416-430.	2.8	31
33	Absence of metallothionein 3 expression in breast cancer is a rare but favorable marker that is under epigenetic control. Toxicological and Environmental Chemistry, 2010, 92, 1673-1695.	1.2	24
34	Microarray Analysis of Gene Expression Patterns in Human Proximal Tubule Cells Over a Short and Long Time Course of Cadmium Exposure. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2010, 74, 24-42.	2.3	15
35	Cadmium, Environmental Exposure, and Health Outcomes. Environmental Health Perspectives, 2010, 118, 182-190.	6.0	856
36	Beclin-1 expression in normal bladder and in Cd2+ and As3+ exposed and transformed human urothelial cells (UROtsa). Toxicology Letters, 2010, 195, 15-22.	0.8	10

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37	Variation of Keratin 7 Expression and Other Phenotypic Characteristics of Independent Isolates of Cadmium Transformed Human Urothelial Cells (UROtsa). Chemical Research in Toxicology, 2010, 23, 348-356.	3.3	15
38	SPARC gene expression is repressed in human urothelial cells (UROtsa) exposed to or malignantly transformed by cadmium or arsenite. Toxicology Letters, 2010, 199, 166-172.	0.8	22
39	A practical classification schema incorporating consideration of possible asphyxia in cases of sudden unexpected infant death. Forensic Science, Medicine, and Pathology, 2009, 5, 254-260.	1.4	32
40	Unexpected Neoplasia in Autopsies: Potential Implications for Tissue and Organ Safety. Archives of Pathology and Laboratory Medicine, 2009, 133, 1923-1931.	2.5	22
41	Zinc transporter mRNA expression in the RWPE-1 human prostate epithelial cell line. BioMetals, 2008, 21, 405-416.	4.1	16
42	Alterations in metal toxicity and metal-induced metallothionein gene expression elicited by growth medium calcium concentration. Cell Biology and Toxicology, 2008, 24, 273-281.	5.3	4
43	Basal and metal-induced expression of metallothionein isoform 1 and 2 genes in the RWPE-1 human prostate epithelial cell line. Journal of Applied Toxicology, 2008, 28, 283-293.	2.8	34
44	Cadmium, Vectorial Active Transport, and MT-3â€"Dependent Regulation of Cadherin Expression in Human Proximal Tubular Cells. Toxicological Sciences, 2008, 102, 310-318.	3.1	22
45	Transformation of Human Urothelial Cells (UROtsa) by As ³⁺ and Cd ²⁺ Induces the Expression of Keratin 6a. Environmental Health Perspectives, 2008, 116, 434-440.	6.0	17
46	Simple Method for Identification of Metallothionein Isoforms in Cultured Human Prostate Cells by MALDI-TOF/TOF Mass Spectrometry. Analytical Chemistry, 2007, 79, 4433-4441.	6.5	18
47	The resistance of metallothionein to proteolytic digestion: An LCâ€MS/MS analysis. Electrophoresis, 2007, 28, 2942-2952.	2.4	6
48	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. Toxicological Sciences, 2006, 91, 467-475.	3.1	22
49	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. Toxicological Sciences, 2006, 94, 293-301.	3.1	20
50	Enhanced Expression of Metallothionein Isoform 3 Protein in Tumor Heterotransplants Derived from As+3- and Cd+2-Transformed Human Urothelial Cells. Toxicological Sciences, 2006, 93, 322-330.	3.1	21
51	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. Toxicological Sciences, 2006, 90, 369-376.	3.1	21
52	Expression of Metallothoinein Isoform 3 Is Restricted at the Post-Transcriptional Level in Human Bladder Epithelial Cells. Toxicological Sciences, 2005, 87, 66-74.	3.1	8
53	Post-Transcriptional Regulation of Metallothionein Isoform 1 and 2 Expression in the Human Breast and the MCF-10A Cell Line. Toxicological Sciences, 2005, 85, 906-915.	3.1	24
54	Expression of Metallothionein Isoform 3 (MT-3) Determines the Choice between Apoptotic or Necrotic Cell Death in Cd+2-Exposed Human Proximal Tubule Cells. Toxicological Sciences, 2004, 80, 358-366.	3.1	42

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55	Inorganic Cadmium- and Arsenite-Induced Malignant Transformation of Human Bladder Urothelial Cells. Toxicological Sciences, 2004, 79, 56-63.	3.1	101
56	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. Breast Cancer Research and Treatment, 2003, 80, 181-191.	2.5	25
57	Metallothionein Isoform 1 and 2 Gene Expression in a Human Urothelial Cell Line (UROtsa) Exposed to CdCl 2 and NaAsO 2. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2003, 66, 2031-2046.	0.5	13
58	Transient induction of metallothionein isoform 3 (MT-3), c-fos, c-jun and c-myc in human proximal tubule cells exposed to cadmium. Toxicology Letters, 2002, 126, 69-80.	0.8	44
59	Expression of hsp 90 in the human kidney and in proximal tubule cells exposed to heat, sodium arsenite and cadmium chloride. Toxicology Letters, 2002, 133, 241-254.	0.8	32
60	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.. Environmental Health Perspectives, 2002, 110, 1225-1232.	6.0	47
61	Metallothionein isoform 3 and proximal tubule vectorial active transport. Kidney International, 2002, 61, 464-472.	5.2	39
62	Metallothionein isoform 3 expression inhibits cell growth and increases drug resistance of PC-3 prostate cancer cells. Prostate, 2002, 52, 89-97.	2.3	45
63	Metallothionein Isoform 3 Overexpression Is Associated with Breast Cancers Having a Poor Prognosis. American Journal of Pathology, 2001, 159, 21-26.	3.8	82
64	ACUTE EXPOSURE TO ARSENITE INDUCES METALLOTHIONEIN ISOFORM-SPECIFIC GENE EXPRESSION IN HUMAN PROXIMAL TUBULE CELLS. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2001, 64, 343-355.	2.3	12
65	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. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2001, 63, 475-493.	2.3	28
66	Metallothionein isoform 1 and 2 gene expression in the human prostate: Downregulation of MT-1X in advanced prostate cancer. , 2000, 43, 125-135.		58
67	Expression of heat shock protein 60 in human proximal tubule cells exposed to heat, sodium arsenite and CdCl2. Toxicology Letters, 2000, 115, 127-136.	0.8	30
68	Tissue Culture of Human Renal Epithelial Cells Using a Defined Serum-Free Growth Formulation. Nephron Experimental Nephrology, 1999, 7, 344-352.	2.2	30
69	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. Environmental Health Perspectives, 1999, 107, 887.	6.0	25
70	Metallothionein isoform 3 expression in the human prostate and cancer-derived cell lines. , 1999, 41, 196-202.		57
71	Heat Shock Protein 27 Expression in Human Proximal Tubule Cells Exposed to Lethal and Sublethal Concentrations of CdCl 2. Environmental Health Perspectives, 1999, 107, 545.	6.0	22
72	Expression of MT-3 protein in the human kidney. Toxicology Letters, 1999, 105, 207-214.	0.8	89

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73	Metallothionein isoform gene expression in four human bladder cancer cell lines. , 1999, , 607-612.		3
74	Expression of Heat Shock Protein 60 Is Reduced in the Bladder of Patients with Interstitial Cystitis. Journal of Urologic Pathology, 1999, 10, 97-108.	0.3	3
75	Expression of Heat Shock Protein 27 in Adult and Fetal Bladder and in Patients with Interstitial Cystitis. Journal of Urologic Pathology, 1998, 9, 1-16.	0.3	6
76	Expression of MT-3 mRNA in human kidney, proximal tubule cell cultures, and renal cell carcinoma. Toxicology Letters, 1997, 92, 149-160.	0.8	81
77	Expression of heat shock protein 27 in developing and adult human kidney. Toxicology Letters, 1996, 84, 69-79.	0.8	27
78	Isoform-specific expression of metallothionein mRNA in the developing and adult human kidney. Toxicology Letters, 1996, 85, 17-27.	0.8	108
79	Exposure of human proximal tubule cells to cytotoxic levels of CdCl2 induces the additional expression of metallothionein 1A mRNA. Toxicology Letters, 1995, 76, 209-217.	0.8	11
80	Aminoglycoside Antibiotics Alter the Paracellular Transport Properties of Cultured Human Proximal Tubule Cells. Toxicologic Pathology, 1994, 22, 56-67.	1.8	4
81	Characterization of a Monoclonal Antibody Recognizing the Blastemal Element of Wilms' Tumors and Fetal Kidneys. Pediatric Pathology, 1994, 14, 849-862.	0.5	4
82	Characterization of a Monoclonal Antibody Recognizing Selective Epithelial Elements of Wilms Tumors and Fetal Kidneys. Pediatric Pathology, 1994, 14, 833-847.	0.5	1
83	Serum-free culture and characterization of renal epithelial cells isolated from human fetal kidneys of varying gestational age. In Vitro Cellular and Developmental Biology - Animal, 1994, 30, 356-365.	1.5	8
84	Selective exposure of human proximal tubule cells to gentamicin provides evidence for a basolateral component of toxicity. Toxicology Letters, 1994, 74, 1-13.	0.8	1
85	Heterogeneity in the amount of ionic cadmium necessary to elicit cell death in independent cultures of human proximal tubule cells. Toxicology Letters, 1994, 70, 185-191.	0.8	6
86	Induction of metallothionein mRNA and protein following exposure of cultured human proximal tubule cells to cadmium. Toxicology Letters, 1994, 71, 111-122.	0.8	9
87	Variation in the electrical properties of cultured human proximal tubule cells. In Vitro Cellular & Developmental Biology, 1993, 29, 371-378.	1.0	16
88	Automatic Quantitation of cell Growth and Determination of Mitotic Index using Dapi Nuclear Staining. Pediatric Pathology, 1993, 13, 249-265.	0.5	18
89	Aminoglycoside Antibiotics Alter the Electrogenic Transport Properties of Cultured Human Proximal Tubule Cells. Toxicologic Pathology, 1992, 20, 608-616.	1.8	10
90	In situ freeze-fracture of monolayer cell cultures grown on a permeable support. Microscopy Research and Technique, 1992, 22, 301-305.	2.2	8

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91	Cadmium nephrotoxicity in human proximal tubule cell cultures. In Vitro Cellular & Developmental Biology, 1989, 25, 784-790.	1.0	21
92	An electrophysiological freeze fracture assessment of cadmium nephrotoxicity in vitro. In Vitro Cellular & Developmental Biology, 1989, 25, 791-799.	1.0	13
93	Cell culture and characterization of human minor salivary gland duct cells. Journal of Oral Pathology and Medicine, 1989, 18, 214-219.	2.7	19
94	Elevated glucose alters paracellular transport of cultured human proximal tubule cells. Kidney International, 1989, 35, 31-39.	5.2	19
95	Fatal Streptobacillus moniliformis Infection in a Two-Month-Old Infant. American Journal of Clinical Pathology, 1989, 91, 612-616.	0.7	54
96	Ultrastructural and immunohistochemical characterization of submandibular duct cells in culture and modification of outgrowth differentiation by manipulation of calcium ion concentration. In Vitro Cellular & Developmental Biology, 1988, 24, 593-600.	1.0	14
97	Tissue Culture of Normal and Cystic Fibrosis Sweat Gland Duct Cells I. Alterations in Dome Formation. Pediatric Research, 1987, 21, 72-78.	2.3	9
98	Tissue Culture of Epithelial Cells from Urine II. Application to Patients with Cystic Fibrosis. Pediatric Pathology, 1984, 2, 165-170.	0.5	5
99	Tissue culture of human kidney epithelial cells of proximal tubule origin. Kidney International, 1984, 25, 383-390.	5.2	294
100	Tissue Culture of Epithelial Cells from Urine I. Serum-free Growth of Cells from Newborn Infants. Pediatric Pathology, 1984, 2, 153-163.	0.5	6