Marie-Claude Jaurand

List of Publications by Year
in descending order

70	2,325	159585 30	223800 46
papers	citations	h-index	g-index

74	74	74	2550
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Role of Mutagenicity in Asbestos Fiber-Induced Carcinogenicity and Other Diseases. Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 2011, 14, 179-245.	6.5	132
2	Dissecting heterogeneity in malignant pleural mesothelioma through histo-molecular gradients for clinical applications. Nature Communications, 2019, 10, 1333.	12.8	125
3	Quantification of short and long asbestos fibers to assess asbestos exposure: a review of fiber size toxicity. Environmental Health, 2014, 13, 59.	4.0	124
4	Molecular Classification of Malignant Pleural Mesothelioma: Identification of a Poor Prognosis Subgroup Linked to the Epithelial-to-Mesenchymal Transition. Clinical Cancer Research, 2014, 20, 1323-1334.	7.0	121
5	Formation of oxy radicals by oxygen reduction arising from the surface activity of asbestos. Canadian Journal of Chemistry, 1987, 65, 2338-2341.	1.1	96
6	Hemizygosity of Nf2 is associated with increased susceptibility to asbestos-induced peritoneal tumours. Oncogene, 2003, 22, 3799-3805.	5.9	94
7	Molecular Changes in Mesothelioma With an Impact on Prognosis and Treatment. Archives of Pathology and Laboratory Medicine, 2012, 136, 277-293.	2.5	87
8	Evaluating the mechanistic evidence and key data gaps in assessing the potential carcinogenicity of carbon nanotubes and nanofibers in humans. Critical Reviews in Toxicology, 2017, 47, 1-58.	3.9	83
9	Genetic alterations of malignant pleural mesothelioma: associationÂwith tumor heterogeneity and overall survival. Molecular Oncology, 2020, 14, 1207-1223.	4.6	74
10	Mutations in TP53, but not FGFR3, in urothelial cell carcinoma of the bladder are influenced by smoking: contribution of exogenous versus endogenous carcinogens. Carcinogenesis, 2004, 26, 177-184.	2.8	68
11	Co-occurring Mutations of Tumor Suppressor Genes, LATS2 and NF2, in Malignant Pleural Mesothelioma. Clinical Cancer Research, 2017, 23, 3191-3202.	7.0	67
12	Pathogenesis of malignant pleural mesothelioma. Respirology, 2005, 10, 2-8.	2.3	63
13	Induction of Metaphase and Anaphase/Telophase Abnormalities by Asbestos Fibers in Rat Pleural Mesothelial CellsIn Vitro. American Journal of Respiratory Cell and Molecular Biology, 1993, 9, 186-191.	2.9	61
14	Partial characterisation of an elastase-like enzyme secreted by human and monkey alveolar macrophages. Journal of Pathology, 1978, 125, 171-177.	4.5	58
15	Role of oxygen derivatives in the cytotoxicity and DNA damage produced by asbestos on rat pleural mesothelial cells in vitro. Carcinogenesis, 1994, 15, 1251-1255.	2.8	55
16	Heterogeneity of mesothelioma cell lines as defined by altered genomic structure and expression of theNF2 gene. International Journal of Cancer, 1998, 77, 554-560.	5.1	53
17	Identification of human complement factor H as a chemotactic protein for monocytes. Biochemical Journal, 1997, 326, 377-383.	3.7	51
18	p16INK4A inactivation mechanisms in non-small-cell lung cancer patients occupationally exposed to asbestos. Lung Cancer, 2010, 67, 23-30.	2.0	50

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19	Syntenic Relationships between Genomic Profiles of Fiber-Induced Murine and Human Malignant Mesothelioma. American Journal of Pathology, 2011, 178, 881-894.	3.8	48
20	Role of fibre characteristics on cytotoxicity and induction of anaphase/telophase aberrations in rat pleural mesothelial cells in vitro: correlations with in vivo animal findings. Carcinogenesis, 1995, 16, 2751-2758.	2.8	46
21	Similar Tumor Suppressor Gene Alteration Profiles in Asbestos-Induced Murine and Human Mesothelioma. Cell Cycle, 2005, 4, 1862-1869.	2.6	45
22	Five years update on relationships between malignant pleural mesothelioma and exposure to asbestos and other elongated mineral particles. Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 2016, 19, 151-172.	6.5	41
23	Analysis of Cell Cycle Disruptions in Cultures of Rat Pleural Mesothelial Cells Exposed to Asbestos Fibers. American Journal of Respiratory Cell and Molecular Biology, 1997, 17, 660-671.	2.9	40
24	Differential mutation profiles and similar intronic TP53 polymorphisms in asbestos-related lung cancer and pleural mesothelioma. Mutagenesis, 2013, 28, 323-331.	2.6	35
25	Quantitation of elastin in human urine and rat pleural mesothelial cell matrix by a sensitive avidin-biotin ELISA for desmosine. Journal of Immunological Methods, 1988, 107, 1-11.	1.4	34
26	In vitro reactivity of alveolar macrophages and red blood cells with asbestos fibres treated with oxalic acid, sulfur dioxide and benzo-3,4-pyrene. Toxicology, 1981, 21, 323-342.	4.2	33
27	X-ray photoelectron spectroscopy and chemical study of the adsorption of biological molecules on chrysotile asbestos surface. Journal of Colloid and Interface Science, 1983, 95, 1-9.	9.4	33
28	Changes in expression and microheterogeneity of the genetic variants of human Î±1-acid glycoprotein in malignant mesothelioma. Biomedical Applications, 1998, 715, 111-123.	1.7	33
29	Mechanisms of Fiber-Induced Genotoxicity. Environmental Health Perspectives, 1997, 105, 1073.	6.0	32
30	Nitrosulindac (NCX 1102): A new nitric oxide-donating non-steroidal anti-inflammatory drug (NO-NSAID), inhibits proliferation and induces apoptosis in human prostatic epithelial cell lines. Prostate, 2004, 61, 132-141.	2.3	32
31	Absence of SV40 Large T-Antigen Expression in Human Mesothelioma Cell Lines. American Journal of Respiratory Cell and Molecular Biology, 2000, 23, 788-793.	2.9	31
32	Multi-site tumor sampling highlights molecular intra-tumor heterogeneity in malignant pleural mesothelioma. Genome Medicine, 2021, 13, 113.	8.2	31
33	Growth, Differentiation and Senescence of Normal Human Urothelium in an Organ-Like Culture. European Urology, 2004, 45, 799-805.	1.9	29
34	Biomarkers in risk assessment of asbestos exposure. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2005, 579, 6-21.	1.0	29
35	Synthesis of poly(ADP-ribose) in asbestos treated rat pleural mesothelial cells in culture. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1995, 331, 197-204.	1.0	27
36	The Biology of Malignant Mesothelioma and the Relevance of Preclinical Models. Frontiers in Oncology, 2020, 10, 388.	2.8	25

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37	Observations on the Carcinogenidty of Asbestos Fibers. Annals of the New York Academy of Sciences, 1991, 643, 258-270.	3.8	23
38	Evaluation of the antitumoral potential of different nitric oxide-donating non-steroidal anti-inflammatory drugs (NO-NSAIDs) on human urological tumor cell lines. Cancer Letters, 2005, 218, 163-170.	7.2	23
39	Lectin-based three-color flow cytometric approach for studying cell surface glycosylation changes that occur during apoptosis. Cytometry, 2004, 62A, 81-88.	1.8	21
40	Ad-IFN gamma induces antiproliferative and antitumoral responses in malignant mesothelioma. Clinical Cancer Research, 2002, 8, 3298-304.	7.0	18
41	Assessment of signaling pathway inhibitors and identification of predictive biomarkers in malignant pleural mesothelioma. Lung Cancer, 2018, 126, 15-24.	2.0	13
42	Clinico-pathological features and somatic gene alterations in refractory ceramic fibre-induced murine mesothelioma reveal mineral fibre-induced mesothelioma identities. Carcinogenesis, 2007, 28, 1599-1605.	2.8	12
43	Short-Term Tests for the Evaluation of Potential Cancer Risk of Modified Asbestos Fibers. Annals of the New York Academy of Sciences, 1988, 534, 741-753.	3.8	11
44	Mesotheliomas in Genetically Engineered Mice Unravel Mechanism of Mesothelial Carcinogenesis. International Journal of Molecular Sciences, 2018, 19, 2191.	4.1	10
45	Mechanism of haemolysis by chrysotile fibres. Toxicology Letters, 1983, 15, 205-211.	0.8	9
46	Ã‰tude comparative de l'adsorption d'acide dÃ©oxyribonuclÃ©ique sur le chrysotile et le chrysotile phosphorylÃ© (chrysophosphate). Canadian Journal of Chemistry, 1987, 65, 508-511.	1.1	9
47	Human malignant mesothelial cells: Variability of ultrastructural features in established and nude mice transplanted cell lines. Journal of Pathology, 1995, 177, 209-215.	4.5	9
48	Causes and pathophysiology of malignant pleural mesothelioma. Lung Cancer Management, 2015, 4, 219-229.	1.5	9
49	Gene expression profiles in human mesothelioma cell lines in response to interferon-Î³ treatment. Cancer Genetics and Cytogenetics, 2004, 152, 42-51.	1.0	8
50	Unraveling the cellular heterogeneity of malignant pleural mesothelioma through a deconvolution approach. Molecular and Cellular Oncology, 2019, 6, 1610322.	0.7	8
51	Use of mesothelial cell cultures to assess the carcinogenic potency of mineral or man made fibers. Cell Biology and Toxicology, 1992, 8, 133-139.	5.3	7
52	Mechanisms of Fibre Genotoxicity. , 1991, , 287-307.		7
53	Inhibition of acid sialidase by inorganic sulfate. Biochimica Et Biophysica Acta - General Subjects, 1997, 1334, 140-148.	2.4	5
54	Mesothelioma pathogenesis, facts and expectations. Pathologie Et Biologie, 2005, 53, 41-44.	2.2	5

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55	Biomolecular Pathways and Malignant Pleural Mesothelioma. , 2016, , 169-192.		4
56	The highlights of the 15th international conference of the international mesothelioma interest group â€“ Do molecular concepts challenge the traditional approach to pathological mesothelioma diagnosis?. Lung Cancer, 2022, 163, 1-6.	2.0	4
57	Expression of cytochrome P450 in rat pleural mesothelial cells in secondary cultures. Journal of Cellular Physiology, 1994, 160, 176-184.	4.1	3
58	Air Samples from a Building with Asbestos-Containing Material: Asbestos Content and in Vitro Toxicity on Rat Pleural Mesothelial Cells. Fundamental and Applied Toxicology, 1994, 22, 178-185.	1.8	3
59	Mesothelial cells. , 2008, , 27-37.		3
60	Induction of DNA-Repair synthesis (UDS) in Rat pleural mesothelial cells by urine of subjects exposed to genotoxic agents. Journal of Toxicology: Clinical Toxicology, 1992, 30, 223-238.	1.5	2
61	Malignant Mesothelioma: Mechanism of Carcinogenesis. , 2020, , 343-362.		2
62	Malignant Mesothelioma: Mechanism of Carcinogenesis. , 2014, , 299-319.		2
63	In Vitro Assessment of Biopersistence Using Mammalian Cell Systems. Environmental Health Perspectives, 1994, 102, 55.	6.0	1
64	Review of Animal/In Vitro Data on Biological Effects of Man-Made Fibers. Environmental Health Perspectives, 1994, 102, 47.	6.0	1
65	Asbestos and Mesothelioma: What Is Recent Advance in Research on Asbestos-Induced Molecular Carcinogenesis?. Respiratory Disease Series, 2021, , 17-31.	0.0	1
66	Abstract 112: Genetic alterations in molecular tumor subgroups of malignant pleural mesothelioma. , 2016, , .		1
67	Clustering of asbestos fibres in cell damage: A percolational perspective. Physica Scripta, 1997, 55, 378-384.	2.5	0
68	FGFR3 and TP53 gene mutations define distinct pathways at initial diagnosis in urothelial cell carcinomas of the bladder. European Urology Supplements, 2003, 2, 157.	0.1	0
69	Thoracic Neoplasiaâ€“Mesothelioma. , 2014, , 2690-2700.		0
70	Abstract 3666: Co-occurring mutations of tumors suppressor genes, NF2 and LATS2, in malignant pleural mesothelioma. , 2016, , .		0