

# Max Costa

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

115  
papers

5,566  
citations

37  
h-index

73  
g-index

121  
ext. papers

6,422  
ext. citations

4.7  
avg. IF

6.35  
L-index

#	Paper	IF	Citations
115	Longitudinal impact on rat cardiac tissue transcriptomic profiles due to acute intratracheal inhalation exposures to isoflurane. <i>PLoS ONE</i> , <b>2021</b> , 16, e0257241	3.7	0
114	p62 functions as a signal hub in metal carcinogenesis. <i>Seminars in Cancer Biology</i> , <b>2021</b> , 76, 267-278	12.7	1
113	Downregulation of hedgehog-interacting protein (HHIP) contributes to hexavalent chromium-induced malignant transformation of human bronchial epithelial cells. <i>Carcinogenesis</i> , <b>2021</b> , 42, 136-147	4.6	4
112	Introduction to the Theme "Old and New Toxicology: Interfaces with Pharmacology". <i>Annual Review of Pharmacology and Toxicology</i> , <b>2021</b> , 61, 1-7	17.9	1
111	Wrong place, wrong time: Runt-related transcription factor 2/SATB2 pathway in bone development and carcinogenesis. <i>Journal of Carcinogenesis</i> , <b>2021</b> , 20, 2	1.9	4
110	Induction of NUPR1 and AP-1 contributes to the carcinogenic potential of nickel. <i>Oncology Reports</i> , <b>2021</b> , 45,	3.5	2
109	Arsenic: A Global Environmental Challenge. <i>Annual Review of Pharmacology and Toxicology</i> , <b>2021</b> , 61, 47-63	17.9	32
108	PBMC gene expression profiles of female Bangladeshi adults chronically exposed to arsenic-contaminated drinking water. <i>Environmental Pollution</i> , <b>2020</b> , 259, 113672	9.3	12
107	Arsenic Methyltransferase and Methylation of Inorganic Arsenic. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	16
106	Polyadenylation of Histone H3.1 mRNA Promotes Cell Transformation by Displacing H3.3 from Gene Regulatory Elements. <i>IScience</i> , <b>2020</b> , 23, 101518	6.1	8
105	Metals and molecular carcinogenesis. <i>Carcinogenesis</i> , <b>2020</b> , 41, 1161-1172	4.6	30
104	Nuclear protein 1 imparts oncogenic potential and chemotherapeutic resistance in cancer. <i>Cancer Letters</i> , <b>2020</b> , 494, 132-141	9.9	7
103	Molecular and epigenetic mechanisms of Cr(VI)-induced carcinogenesis. <i>Toxicology and Applied Pharmacology</i> , <b>2019</b> , 377, 114636	4.6	42
102	Mechanisms of Chromium-Induced Toxicity. <i>Current Opinion in Toxicology</i> , <b>2019</b> , 14, 1-7	4.4	109
101	Review of arsenic toxicity, speciation and polyadenylation of canonical histones. <i>Toxicology and Applied Pharmacology</i> , <b>2019</b> , 375, 1-4	4.6	44
100	Deregulation of SATB2 in carcinogenesis with emphasis on miRNA-mediated control. <i>Carcinogenesis</i> , <b>2019</b> , 40, 393-402	4.6	12
99	Metals and Mechanisms of Carcinogenesis. <i>Annual Review of Pharmacology and Toxicology</i> , <b>2019</b> , 59, 537-554	17.9	90

98	Role of miR-31 and SATB2 in arsenic-induced malignant BEAS-2B cell transformation. <i>Molecular Carcinogenesis</i> , <b>2018</b> , 57, 968-977	5	18
97	Temporal variations of fine and coarse particulate matter sources in Jeddah, Saudi Arabia. <i>Journal of the Air and Waste Management Association</i> , <b>2018</b> , 68, 123-138	2.4	19
96	Cellular shear stiffness reflects progression of arsenic-induced transformation during G1. <i>Carcinogenesis</i> , <b>2018</b> , 39, 109-117	4.6	5
95	Tungsten or Wolfram: Friend or Foe?. <i>Current Medicinal Chemistry</i> , <b>2018</b> , 25, 65-74	4.3	9
94	Oncogenic and tumor suppressive roles of special AT-rich sequence-binding protein. <i>Journal of Carcinogenesis</i> , <b>2018</b> , 17, 2	1.9	6
93	PI3K/Akt/mTOR Signaling Pathway and the Biphasic Effect of Arsenic in Carcinogenesis. <i>Molecular Pharmacology</i> , <b>2018</b> , 94, 784-792	4.3	36
92	Tungsten exposure causes a selective loss of histone demethylase protein. <i>Molecular Carcinogenesis</i> , <b>2017</b> , 56, 1778-1788	5	5
91	A comprehensive review of metal-induced cellular transformation studies. <i>Toxicology and Applied Pharmacology</i> , <b>2017</b> , 331, 33-40	4.6	17
90	Polycyclic aromatic hydrocarbons (PAHs) in the settled dust of automobile workshops, health and carcinogenic risk evaluation. <i>Science of the Total Environment</i> , <b>2017</b> , 601-602, 478-484	10.2	42
89	Sex-Specific Associations between One-Carbon Metabolism Indices and Posttranslational Histone Modifications in Arsenic-Exposed Bangladeshi Adults. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2017</b> , 26, 261-269	4	13
88	Transcription factors and stress response gene alterations in human keratinocytes following Solar Simulated Ultra Violet Radiation. <i>Scientific Reports</i> , <b>2017</b> , 7, 13622	4.9	7
87	Association between Exposure to Ambient Air Particulates and Metabolic Syndrome Components in a Saudi Arabian Population. <i>International Journal of Environmental Research and Public Health</i> , <b>2017</b> , 15,	4.6	18
86	Evaluation of the Effects of Airborne Particulate Matter on Bone Marrow-Mesenchymal Stem Cells (BM-MSCs): Cellular, Molecular and Systems Biological Approaches. <i>International Journal of Environmental Research and Public Health</i> , <b>2017</b> , 14,	4.6	15
85	Nickel and cadmium-induced SLBP depletion: A potential pathway to metal mediated cellular transformation. <i>PLoS ONE</i> , <b>2017</b> , 12, e0173624	3.7	11
84	SATB2 expression increased anchorage-independent growth and cell migration in human bronchial epithelial cells. <i>Toxicology and Applied Pharmacology</i> , <b>2016</b> , 293, 30-6	4.6	8
83	Oxidative stress under ambient and physiological oxygen tension in tissue culture. <i>Current Pharmacology Reports</i> , <b>2016</b> , 2, 64-72	5.5	59
82	Serum Taurine and Stroke Risk in Women: A Prospective, Nested Case-Control Study. <i>PLoS ONE</i> , <b>2016</b> , 11, e0149348	3.7	6
81	Solar Simulated Ultraviolet Radiation Induces Global Histone Hypoacetylation in Human Keratinocytes. <i>PLoS ONE</i> , <b>2016</b> , 11, e0150175	3.7	11

80	Molecular Mechanisms of Malignant Transformation by Low Dose Cadmium in Normal Human Bronchial Epithelial Cells. <i>PLoS ONE</i> , <b>2016</b> , 11, e0155002	3.7	17
79	Hexavalent Chromium (Cr(VI)) Down-Regulates Acetylation of Histone H4 at Lysine 16 through Induction of Stressor Protein Nupr1. <i>PLoS ONE</i> , <b>2016</b> , 11, e0157317	3.7	28
78	Nuclear Factor <b>B</b> 1/RelA Mediates Inflammation in Human Lung Epithelial Cells at Atmospheric Oxygen Levels. <i>Journal of Cellular Physiology</i> , <b>2016</b> , 231, 1611-20	7	5
77	Polycyclic aromatic hydrocarbons (PAHs) in indoor dust samples from Cities of Jeddah and Kuwait: Levels, sources and non-dietary human exposure. <i>Science of the Total Environment</i> , <b>2016</b> , 573, 1607-1614 <sup>10.2</sup>	10.2	56
76	SATB1 and 2 in colorectal cancer. <i>Carcinogenesis</i> , <b>2015</b> , 36, 186-91	4.6	34
75	Cadmium induces histone H3 lysine methylation by inhibiting histone demethylase activity. <i>Toxicological Sciences</i> , <b>2015</b> , 145, 80-9	4.4	31
74	Tungsten-induced carcinogenesis in human bronchial epithelial cells. <i>Toxicology and Applied Pharmacology</i> , <b>2015</b> , 288, 33-9	4.6	36
73	Malignant human cell transformation of Marcellus Shale gas drilling flow back water. <i>Toxicology and Applied Pharmacology</i> , <b>2015</b> , 288, 121-30	4.6	9
72	Sex-specific patterns and deregulation of endocrine pathways in the gene expression profiles of Bangladeshi adults exposed to arsenic contaminated drinking water. <i>Toxicology and Applied Pharmacology</i> , <b>2015</b> , 284, 330-8	4.6	22
71	Oral Chromium Exposure and Toxicity. <i>Current Environmental Health Reports</i> , <b>2015</b> , 2, 295-303	6.5	154
70	Gene expression and pathway analysis of human hepatocellular carcinoma cells treated with cadmium. <i>Toxicology and Applied Pharmacology</i> , <b>2015</b> , 288, 399-408	4.6	29
69	10th NTES Conference: Nickel and Arsenic Compounds Alter the Epigenome of Peripheral Blood Mononuclear Cells. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2015</b> , 31, 209-13	4.1	20
68	Solar-simulated ultraviolet radiation induces histone 3 methylation changes in the gene promoters of matrix metalloproteinases 1 and 3 in primary human dermal fibroblasts. <i>Experimental Dermatology</i> , <b>2015</b> , 24, 384-5	4	6
67	Association between sleeping hours and cardiometabolic risk factors for metabolic syndrome in a Saudi Arabian population. <i>BMJ Open</i> , <b>2015</b> , 5, e008590	3	13
66	Structure and function of histone acetyltransferase MOF. <i>AIMS Biophysics</i> , <b>2015</b> , 2, 555-569	0.8	11
65	A Potential New Mechanism of Arsenic Carcinogenesis: Depletion of Stem-Loop Binding Protein and Increase in Polyadenylated Canonical Histone H3.1 mRNA. <i>Biological Trace Element Research</i> , <b>2015</b> , 166, 72-81	4.5	34
64	In Vivo Exposures to Particulate Matter Collected from Saudi Arabia or Nickel Chloride Display Similar Dysregulation of Metabolic Syndrome Genes. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2015</b> , 78, 1421-36	3.2	13
63	Oxidative stress alters global histone modification and DNA methylation. <i>Free Radical Biology and Medicine</i> , <b>2015</b> , 82, 22-8	7.8	186

62	Toxicogenomic effect of nickel and beyond. <i>Archives of Toxicology</i> , <b>2014</b> , 88, 1645-50	5.8	23
61	Arsenic induces polyadenylation of canonical histone mRNA by down-regulating stem-loop-binding protein gene expression. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 31751-31764	5.4	32
60	Particulate matter from Saudi Arabia induces genes involved in inflammation, metabolic syndrome and atherosclerosis. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2014</b> , 77, 751-66	3.2	37
59	Chromatin Memory in the Development of Human Cancers. <i>Gene Technology</i> , <b>2014</b> , 3, 114	1	
58	Basic mechanics of DNA methylation and the unique landscape of the DNA methylome in metal-induced carcinogenesis. <i>Critical Reviews in Toxicology</i> , <b>2013</b> , 43, 493-514	5.7	95
57	Sodium metavanadate exhibits carcinogenic tendencies in vitro in immortalized human bronchial epithelial cells. <i>Metallomics</i> , <b>2013</b> , 5, 1357-67	4.5	7
56	Gene expression profiles in peripheral blood mononuclear cells of Chinese nickel refinery workers with high exposures to nickel and control subjects. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2013</b> , 22, 261-9	4	21
55	Nickel and epigenetic gene silencing. <i>Genes</i> , <b>2013</b> , 4, 583-95	4.2	35
54	Plasma Anti-Glycan Antibody Profiles Associated with Nickel level in Urine. <i>Journal of Proteomics and Bioinformatics</i> , <b>2013</b> , 6, 302-312	2.1	3
53	Elucidating the mechanisms of nickel compound uptake: a review of particulate and nano-nickel endocytosis and toxicity. <i>Toxicology and Applied Pharmacology</i> , <b>2012</b> , 260, 1-16	4.6	91
52	Gene expression changes in human lung cells exposed to arsenic, chromium, nickel or vanadium indicate the first steps in cancer. <i>Metallomics</i> , <b>2012</b> , 4, 784-93	4.5	52
51	The control of histone methylation and gene expression by oxidative stress, hypoxia, and metals. <i>Free Radical Biology and Medicine</i> , <b>2012</b> , 53, 1041-7	7.8	113
50	The effect of exposure to carcinogenic metals on histone tail modifications and gene expression in human subjects. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2012</b> , 26, 174-8	4.1	43
49	Carcinogenic metals and the epigenome: understanding the effect of nickel, arsenic, and chromium. <i>Metallomics</i> , <b>2012</b> , 4, 619-27	4.5	167
48	Gene expression profiling and pathway analysis of human bronchial epithelial cells exposed to airborne particulate matter collected from Saudi Arabia. <i>Toxicology and Applied Pharmacology</i> , <b>2012</b> , 265, 147-57	4.6	34
47	Global levels of histone modifications in peripheral blood mononuclear cells of subjects with exposure to nickel. <i>Environmental Health Perspectives</i> , <b>2012</b> , 120, 198-203	8.4	93
46	Source Apportionment and Elemental Composition of PM2.5 and PM10 in Jeddah City, Saudi Arabia. <i>Atmospheric Pollution Research</i> , <b>2012</b> , 3, 331-340	4.5	135
45	Epigenomics: Pioneering a New Frontier in Cancer Research. <i>Journal of Pharmacogenomics &amp; Pharmacoproteomics</i> , <b>2012</b> , 3,		1

44	Comparison of gene expression profiles in chromate transformed BEAS-2B cells. <i>PLoS ONE</i> , <b>2011</b> , 6, e17982	3.7	41
43	Liprin- $\beta$ is required for nickel induced receptor protein tyrosine phosphatase-leukocyte antigen related receptor F (RPTP-LAR) activity. <i>PLoS ONE</i> , <b>2011</b> , 6, e22764	3.7	3
42	Hypoxia and nickel inhibit histone demethylase JMJD1A and repress Spry2 expression in human bronchial epithelial BEAS-2B cells. <i>Carcinogenesis</i> , <b>2010</b> , 31, 2136-44	4.6	76
41	Mechanisms of c-myc degradation by nickel compounds and hypoxia. <i>PLoS ONE</i> , <b>2009</b> , 4, e8531	3.7	42
40	Alterations of histone modifications by cobalt compounds. <i>Carcinogenesis</i> , <b>2009</b> , 30, 1243-51	4.6	39
39	Effects of nickel, chromate, and arsenite on histone 3 lysine methylation. <i>Toxicology and Applied Pharmacology</i> , <b>2009</b> , 236, 78-84	4.6	149
38	Iron- and 2-oxoglutarate-dependent dioxygenases: an emerging group of molecular targets for nickel toxicity and carcinogenicity. <i>BioMetals</i> , <b>2009</b> , 22, 191-6	3.4	58
37	c-Myc mediates a hypoxia-induced decrease in acetylated histone H4. <i>Biochimie</i> , <b>2009</b> , 91, 1307-10	4.6	11
36	Epigenetics in metal carcinogenesis: nickel, arsenic, chromium and cadmium. <i>Metallomics</i> , <b>2009</b> , 1, 222-8	4.5	288
35	Arsenite alters global histone H3 methylation. <i>Carcinogenesis</i> , <b>2008</b> , 29, 1831-6	4.6	188
34	Response to Comments by Post and Stern on Article "Toxicity and Carcinogenicity of Chromium Compounds in Humans" <i>Critical Reviews in Toxicology</i> , <b>2006</b> , 36, 779-779	5.7	3
33	Toxicity and carcinogenicity of chromium compounds in humans. <i>Critical Reviews in Toxicology</i> , <b>2006</b> , 36, 155-63	5.7	569
32	Nickel carcinogenesis: epigenetics and hypoxia signaling. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , <b>2005</b> , 592, 79-88	3.3	150
31	Potential hazards of hexavalent chromate in our drinking water. <i>Toxicology and Applied Pharmacology</i> , <b>2003</b> , 188, 1-5	4.6	422
30	Molecular mechanisms of nickel carcinogenesis: gene silencing by nickel delivery to the nucleus and gene activation/inactivation by nickel-induced cell signaling. <i>Journal of Environmental Monitoring</i> , <b>2003</b> , 5, 222-3		51
29	Differential role of hydrogen peroxide in UV-induced signal transduction. <i>Molecular and Cellular Biochemistry</i> , <b>2002</b> , 234/235, 81-90	4.2	42
28	The role of oxidative stress in nickel and chromate genotoxicity. <i>Molecular and Cellular Biochemistry</i> , <b>2002</b> , 234/235, 265-275	4.2	37
27	Molecular mechanisms of nickel carcinogenesis. <i>Biological Chemistry</i> , <b>2002</b> , 383, 961-7	4.5	27

26	The role of oxidative stress in nickel and chromate genotoxicity. <i>Molecular and Cellular Biochemistry</i> , <b>2002</b> , 234-235, 265-75	4.2	15
25	Involvement of Erks activation in cadmium-induced AP-1 transactivation in vitro and in vivo. <i>Molecular and Cellular Biochemistry</i> , <b>2001</b> , 222, 141-7	4.2	32
24	Arsenic-induced NF $\kappa$ B transactivation through Erks- and JNKs-dependent pathways in mouse epidermal JB6 cells. <i>Molecular and Cellular Biochemistry</i> , <b>2001</b> , 222, 29-34	4.2	40
23	Transactivation of RARE and GRE in the cellular response to arsenic. <i>Molecular and Cellular Biochemistry</i> , <b>2001</b> , 222, 119-125	4.2	4
22	Molecular biology of nickel carcinogenesis. <i>Molecular and Cellular Biochemistry</i> , <b>2001</b> , 222, 205-211	4.2	27
21	Detecting epigenetic changes: DNA methylation. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al ]</i> , <b>2001</b> , Chapter 3, Unit3.6	1	
20	Assays for DNA damage. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al ]</i> , <b>2001</b> , Chapter 3, Unit3.5	1	
19	Cell transformation assays. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al ]</i> , <b>2001</b> , Chapter 3, Unit3.4	1	
18	Mutagenesis assays in mammalian cells. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al ]</i> , <b>2001</b> , Chapter 3, Unit3.3	1	4
17	Rats retain chromium in tissues following chronic ingestion of drinking water containing hexavalent chromium. <i>Biological Trace Element Research</i> , <b>2000</b> , 74, 41-53	4.5	30
16	Assays for Detecting Chromosomal Aberrations. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al ]</i> , <b>2000</b> , 3, 3.7.1	1	5
15	Molecular biology of nickel carcinogenesis. <i>Fresenius Journal of Analytical Chemistry</i> , <b>1998</b> , 361, 381-385		5
14	Cr(III)-mediated crosslinks of glutathione or amino acids to the DNA phosphate backbone are mutagenic in human cells. <i>Nucleic Acids Research</i> , <b>1998</b> , 26, 2024-30	20.1	114
13	DNA-protein cross-links produced by various chemicals in cultured human lymphoma cells. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>1997</b> , 50, 433-49	3.2	69
12	Occupational exposure to Cr(VI): comparison between chromium levels in lymphocytes, erythrocytes, and urine. <i>International Archives of Occupational and Environmental Health</i> , <b>1996</b> , 69, 39-44 <sup>3.2</sup>		22
11	DNA and RNA strand scission by copper, zinc and manganese superoxide dismutases. <i>BioMetals</i> , <b>1996</b> , 9, 327-35	3.4	11
10	Peroxidase deficiency of nickel-transformed hamster cells correlates with their increased resistance to cytotoxicity of peroxides. <i>BioMetals</i> , <b>1996</b> , 9, 151-6	3.4	1
9	Occupational exposure to Cr(VI): comparison between chromium levels in lymphocytes, erythrocytes, and urine. <i>International Archives of Occupational and Environmental Health</i> , <b>1996</b> , 69, 39-44 <sup>3.2</sup>		



8	Molecular mechanisms of nickel carcinogenesis. <i>Toxicological and Environmental Chemistry</i> , <b>1995</b> , 49, 145-148	1.4	5
7	Mechanisms of chromium carcinogenicity and toxicity. <i>Critical Reviews in Toxicology</i> , <b>1993</b> , 23, 255-81	5.7	409
6	Mutagenic responses of nickel oxides and nickel sulfides in Chinese hamster V79 cell lines at the xanthine-guanine phosphoribosyl transferase locus. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , <b>1993</b> , 300, 63-72		76
5	Development and utilization of a new simple assay for DNA-protein crosslinks as a biomarker of exposure to welding fumes. <i>International Archives of Occupational and Environmental Health</i> , <b>1993</b> , 65, S87-9	3.2	5
4	Analysis of DNA-protein complexes induced by chemical carcinogens. <i>Journal of Cellular Biochemistry</i> , <b>1990</b> , 44, 127-35	4.7	43
3	Studies on the mechanism of nickel-induced heterochromatin damage; effect on specific DNA-protein interactions. <i>Toxicological and Environmental Chemistry</i> , <b>1989</b> , 22, 167-179	1.4	5
2	Characterization of DNA-protein complexes induced in intact cells by the carcinogen chromate. <i>Molecular Carcinogenesis</i> , <b>1988</b> , 1, 125-33	5	43
1	Carcinogenic Metals Alter Histone Tail Modifications459-474		