

# Leda Kovatsi

## List of Publications by Year in descending order

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Version: 2024-02-01

70  
papers

2,278  
citations

236925

25  
h-index

223800

46  
g-index

72  
all docs

72  
docs citations

72  
times ranked

3797  
citing authors

#	ARTICLE	IF	CITATIONS
1	The HlrisPlex system for simultaneous prediction of hair and eye colour from DNA. Forensic Science International: Genetics, 2013, 7, 98-115.	3.1	365
2	Developmental validation of the HlrisPlex system: DNA-based eye and hair colour prediction for forensic and anthropological usage. Forensic Science International: Genetics, 2014, 9, 150-161.	3.1	164
3	Toward Male Individualization with Rapidly Mutating Y-Chromosomal Short Tandem Repeats. Human Mutation, 2014, 35, 1021-1032.	2.5	151
4	Global skin colour prediction from DNA. Human Genetics, 2017, 136, 847-863.	3.8	99
5	A Mechanistic and Pathophysiological Approach for Stroke Associated with Drugs of Abuse. Journal of Clinical Medicine, 2019, 8, 1295.	2.4	89
6	Epigenetic mechanisms in metal toxicity. Toxicology Mechanisms and Methods, 2011, 21, 343-352.	2.7	88
7	Histopathological lesions, oxidative stress and genotoxic effects in liver and kidneys following long term exposure of rabbits to diazinon and propoxur. Toxicology, 2013, 307, 109-114.	4.2	74
8	Genetic variation for 15 autosomal STR loci (PowerPlex 16) in a population sample from northern Greece. Forensic Science International, 2006, 159, 61-63.	2.2	70
9	The dose response principle from philosophy to modern toxicology: The impact of ancient philosophy and medicine in modern toxicology science. Toxicology Reports, 2018, 5, 1107-1113.	3.3	64
10	CYP polymorphisms and pathological conditions related to chronic exposure to organochlorine pesticides. Toxicology Reports, 2017, 4, 335-341.	3.3	63
11	Hypospadias in offspring is associated with chronic exposure of parents to organophosphate and organochlorine pesticides. Toxicology Letters, 2014, 230, 139-145.	0.8	56
12	Translational Application of Circulating DNA in Oncology: Review of the Last Decades Achievements. Cells, 2019, 8, 1251.	4.1	53
13	Worldwide legislative challenges related to psychoactive drugs. DARU, Journal of Pharmaceutical Sciences, 2017, 25, 14.	2.0	51
14	Association of nutraceutical supplements with longer telomere length. International Journal of Molecular Medicine, 2019, 44, 218-226.	4.0	51
15	Mitochondrial control region sequences from northern Greece and Greek Cypriots. International Journal of Legal Medicine, 2008, 122, 87-89.	2.2	47
16	<i>p16</i> promoter methylation in Pb <sup>2+</sup> -exposed individuals. Clinical Toxicology, 2010, 48, 124-128.	1.9	45
17	Paraoxonase-1 genetic polymorphisms in organophosphate metabolism. Toxicology, 2019, 411, 24-31.	4.2	42
18	Novel strategies for sample preparation in forensic toxicology. Bioanalysis, 2011, 3, 2019-2046.	1.5	37

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19	Effect of chronic heroin and cocaine administration on global DNA methylation in brain and liver. <i>Toxicology Letters</i> , 2013, 218, 260-265.	0.8	36
20	Alcohol Affects the Brain's Resting-State Network in Social Drinkers. <i>PLoS ONE</i> , 2012, 7, e48641.	2.5	31
21	The role of MiRNA-21 in gliomas: Hope for a novel therapeutic intervention?. <i>Toxicology Reports</i> , 2020, 7, 1514-1530.	3.3	31
22	Population genetics of Y-chromosome STRs in a population of Northern Greeks. <i>Forensic Science International: Genetics</i> , 2009, 4, e21-e22.	3.1	28
23	Smoking and DNA methylation: Correlation of methylation with smoking behavior and association with diseases and fetus development following prenatal exposure. <i>Food and Chemical Toxicology</i> , 2019, 129, 312-327.	3.6	28
24	Association of Reduced Zinc Status With Angiographically Severe Coronary Atherosclerosis: A Pilot Study. <i>Angiology</i> , 2010, 61, 449-455.	1.8	27
25	CpG Island Methylation Patterns in Relapsing-Remitting Multiple Sclerosis. <i>Journal of Molecular Neuroscience</i> , 2018, 64, 478-484.	2.3	27
26	Disposable pipette extraction for gas chromatographic determination of codeine, morphine, and 6â€œmonoacetylmorphine in vitreous humor. <i>Journal of Separation Science</i> , 2011, 34, 1716-1721.	2.5	26
27	Cardioprotective effects of hesperidin on carbon monoxide poisoned in rats. <i>Drug and Chemical Toxicology</i> , 2021, 44, 668-673.	2.3	26
28	Resting-state Abnormalities in Heroin-dependent Individuals. <i>Neuroscience</i> , 2018, 378, 113-145.	2.3	25
29	Drugs of Abuse: Epigenetic Mechanisms in Toxicity and Addiction. <i>Current Medicinal Chemistry</i> , 2011, 18, 1765-1774.	2.4	24
30	Determination of Buprenorphine, Norbuprenorphine and Naloxone in Fingernail Clippings and Urine of Patients Under Opioid Substitution Therapy. <i>Journal of Analytical Toxicology</i> , 2015, 39, 313-320.	2.8	23
31	A rapid high performance liquid chromatographic (HPLC) assay for the determination of oxytetracycline in commercial pharmaceuticals. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2000, 23, 275-280.	2.8	21
32	An imazamox-based herbicide causes apoptotic changes in rat liver and pancreas. <i>Toxicology Reports</i> , 2019, 6, 42-50.	3.3	20
33	Development and validation of a direct headspace GCâ€œFID method for the determination of sevoflurane, desflurane and other volatile compounds of forensic interest in biological fluids: Application on clinical and postâ€œmortem samples. <i>Journal of Separation Science</i> , 2011, 34, 1004-1010.	2.5	17
34	A simple <scp>HPLC</scp> method for the simultaneous determination of two selective serotonin reuptake inhibitors and two serotoninâ€œnorepinephrine reuptake inhibitors in hair, nail clippings, and cerebrospinal fluid. <i>Journal of Separation Science</i> , 2012, 35, 839-845.	2.5	17
35	Buprenorphine and norâ€œbuprenorphine levels in head hair samples from former heroin users under Suboxoneâ„® treatment. <i>Drug Testing and Analysis</i> , 2014, 6, 93-100.	2.6	16
36	Disposable pipette extraction for the simultaneous determination of biperiden and three antipsychotic drugs in human urine by GCâ€œnitrogen phosphorus detection. <i>Bioanalysis</i> , 2013, 5, 21-29.	1.5	15

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37	Epigenetically modified nucleotides in chronic heroin and cocaine treated mice. <i>Toxicology Letters</i> , 2014, 229, 451-457.	0.8	15
38	Alterations in serum MMP and TIMP concentrations following chronic heroin abuse. <i>Toxicology Mechanisms and Methods</i> , 2013, 23, 377-381.	2.7	14
39	Severity of Withdrawal Symptoms, Plasma Oxytocin Levels, and Treatment Outcome in Heroin Users Undergoing Acute Withdrawal. <i>Journal of Psychoactive Drugs</i> , 2017, 49, 233-241.	1.7	14
40	Launching the Greek forensic DNA database. The legal framework and arising ethical issues. <i>Forensic Science International: Genetics</i> , 2011, 5, 407-410.	3.1	13
41	Short-term effects of very low dose cadmium feeding on copper, manganese and iron homeostasis: A gastropod perspective. <i>Environmental Toxicology and Pharmacology</i> , 2019, 65, 9-13.	4.0	13
42	Evaluation of Prooxidant/Antioxidant Balance in Chronic Heroin Users in a Single Assay: An Identification Criterion For Antioxidant Supplementation. <i>American Journal of Drug and Alcohol Abuse</i> , 2010, 36, 228-232.	2.1	12
43	Exposure to cadmium and copper triggers cytotoxic effects and epigenetic changes in human colorectal carcinoma HT29 cells. <i>Experimental and Therapeutic Medicine</i> , 2020, 21, 100.	1.8	12
44	Age-dependent methylation in epigenetic clock CpGs is associated with G-quadruplex, co-transcriptionally formed RNA structures and tentative splice sites. <i>Epigenetics</i> , 2018, 13, 808-821.	2.7	11
45	Population-Based Analysis of Cluster Headache-Associated Genetic Polymorphisms. <i>Journal of Molecular Neuroscience</i> , 2018, 65, 367-376.	2.3	11
46	A validated UHPLC-diode array detector method for the bioanalysis of atypical antipsychotics in whole blood, urine and cerebrospinal fluid following SPE. <i>Bioanalysis</i> , 2012, 4, 2929-2938.	1.5	10
47	A simple HPLC method for the simultaneous determination of venlafaxine and its major metabolite <i>O</i> -desmethylvenlafaxine in human serum. <i>Bioanalysis</i> , 2011, 3, 1713-1718.	1.5	9
48	HPLC Analysis of Antipsychotic Asenapine in Alternative Biomatrices: Hair and Nail Clippings. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2015, 38, 1666-1670.	1.0	9
49	Isoprostane as a Marker of Oxidative Stress in Chronic Heroin Users: Correlation with Duration of Heroin Use or Concomitant Hepatitis C Infection. <i>American Journal of Drug and Alcohol Abuse</i> , 2010, 36, 13-17.	2.1	8
50	Atypical antipsychotics: trends in analysis and sample preparation of various biological samples. <i>Bioanalysis</i> , 2012, 4, 961-980.	1.5	8
51	Common contributing factors to COVID-19 and inflammatory bowel disease. <i>Toxicology Reports</i> , 2021, 8, 1616-1637.	3.3	8
52	Development and Validation of a High-Performance Liquid Chromatography Method for the Evaluation of Niflumic Acid Cross-Reactivity of Two Commercial Immunoassays for Cannabinoids in Urine. <i>Journal of Analytical Toxicology</i> , 2010, 34, 229-232.	2.8	7
53	Evaluation of 5-methyl-2'-deoxycytidine stability in hydrolyzed and nonhydrolyzed DNA by HPLC-UV. <i>Bioanalysis</i> , 2012, 4, 367-372.	1.5	7
54	Seeking the 5th Base of DNA Using Chromatographic Methods of Analysis. <i>Current Organic Chemistry</i> , 2010, 14, 2268-2281.	1.6	6

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55	Contributing factors common to COVID-19 and gastrointestinal cancer. <i>Oncology Reports</i> , 2021, 47, .	2.6	6
56	Opioids and the hormone oxytocin. <i>Vitamins and Hormones</i> , 2019, 111, 195-225.	1.7	5
57	The European Registered Toxicologist (ERT): Current status and prospects for advancement. <i>Toxicology Letters</i> , 2016, 259, 151-155.	0.8	4
58	Soil copper uptake by land snails: A semi-field experiment with juvenile <i>Cantareus aspersus</i> snails. <i>Environmental Toxicology and Pharmacology</i> , 2019, 72, 103243.	4.0	4
59	Global DNA methylation levels in white blood cells of patients with chronic heroin use disorder. A prospective study. <i>Toxicology Reports</i> , 2021, 8, 337-342.	3.3	4
60	The effect of opioid dependence on conventional and novel biochemical parameters of bone metabolism. <i>American Journal of Drug and Alcohol Abuse</i> , 2015, 41, 535-40.	2.1	4
61	Impact of vitamin D receptor gene polymorphisms on vitiligo susceptibility and clinical features in Southeastern European Caucasian population. <i>International Journal of Molecular Medicine</i> , 2020, 46, 1899-1907.	4.0	3
62	Influence of inositolhexaphosphoric acid (phytic acid) on the copper distribution in tissues and the excretion of copper in rats. <i>Journal of Trace Elements in Medicine and Biology</i> , 2001, 14, 193-197.	3.0	2
63	Recent advances in the bioanalysis of modified nucleotides in epigenetic studies. <i>Bioanalysis</i> , 2013, 5, 2947-2956.	1.5	2
64	Simple UHPLC-DAD Method for the Direct Determination of Donepezil in Cerebrospinal Fluid. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2015, 38, 1068-1072.	1.0	2
65	Direct UHPLC-DAD Method to Determine Asenapine, Paroxetine and Fluvoxamine in Human Blood Serum, Urine and Cerebrospinal Fluid. <i>Current Pharmaceutical Analysis</i> , 2016, 12, 349-356.	0.6	2
66	Epigenetic Fingerprint. , 2015, , 221-243.		1
67	Editorial [Hot Topic:Epigenetic Mechanisms and Therapeutic Strategies (Guest Editors: Victoria) Tj ETQq1 1 0.784314 rgBT /Overlock	2.4	0
68	Epigenetic mechanisms in nanomaterial toxicity. , 2021, , 451-457.		0
69	Drugs of Abuse and DNA Methylation in the Brain. , 2016, , 137-143.		0
70	Impact of vitamin D receptor gene polymorphisms on vitiligo susceptibility and clinical features in Southeastern European Caucasian population. <i>International Journal of Molecular Medicine</i> , 2020, 46, 1899-1907.	4.0	0