

Manuela Pellegrini

List of Publications by Year in descending order

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96
papers

3,862
citations

101384

36
h-index

133063

59
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96
all docs

96
docs citations

96
times ranked

4527
citing authors

#	ARTICLE	IF	CITATIONS
1	Developmental expression of BMP4/ALK3/SMAD5 signaling pathway in the mouse testis: a potential role of BMP4 in spermatogonia differentiation. <i>Journal of Cell Science</i> , 2003, 116, 3363-3372.	1.2	196
2	Autophosphorylation at serine 1987 is dispensable for murine Atm activation in vivo. <i>Nature</i> , 2006, 443, 222-225.	13.7	187
3	ATM Prevents the Persistence and Propagation of Chromosome Breaks in Lymphocytes. <i>Cell</i> , 2007, 130, 63-75.	13.5	173
4	Opposing effects of retinoic acid and FGF9 on <i>Nanos2</i> expression and meiotic entry of mouse germ cells. <i>Journal of Cell Science</i> , 2010, 123, 871-880.	1.2	138
5	RAD51C deficiency in mice results in early prophase I arrest in males and sister chromatid separation at metaphase II in females. <i>Journal of Cell Biology</i> , 2007, 176, 581-592.	2.3	118
6	Signaling through Extracellular Signal-regulated Kinase Is Required for Spermatogonial Proliferative Response to Stem Cell Factor. <i>Journal of Biological Chemistry</i> , 2001, 276, 40225-40233.	1.6	114
7	Î-Hydroxybutyrate (GHB) in Humans: Pharmacodynamics and Pharmacokinetics. <i>Annals of the New York Academy of Sciences</i> , 2006, 1074, 559-576.	1.8	108
8	Essential Role of Sox2 for the Establishment and Maintenance of the Germ Cell Line. <i>Stem Cells</i> , 2013, 31, 1408-1421.	1.4	106
9	ATRA and KL promote differentiation toward the meiotic program of male germ cells.. <i>Cell Cycle</i> , 2008, 7, 3878-3888.	1.3	104
10	Multiple autophosphorylation sites are dispensable for murine ATM activation in vivo. <i>Journal of Cell Biology</i> , 2008, 183, 777-783.	2.3	100
11	Loss of ATM kinase activity leads to embryonic lethality in mice. <i>Journal of Cell Biology</i> , 2012, 198, 295-304.	2.3	94
12	Assessment of exposure to opiates and cocaine during pregnancy in a Mediterranean city: Preliminary results of the "Meconium Project". <i>Forensic Science International</i> , 2005, 153, 59-65.	1.3	93
13	Simultaneous analysis of frequently used licit and illicit psychoactive drugs in breast milk by liquid chromatography tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 55, 309-316.	1.4	86
14	Liquid chromatography/electrospray ionization tandem mass spectrometry assay for determination of nicotine and metabolites, caffeine and arecoline in breast milk. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 2693-2703.	0.7	82
15	Acute intoxication caused by synthetic cannabinoids 5F-ADB and MMB-2201: A case series. <i>Forensic Science International</i> , 2017, 273, e10-e14.	1.3	82
16	Potential role of Nanos3 in maintaining the undifferentiated spermatogonia population. <i>Developmental Biology</i> , 2008, 313, 725-738.	0.9	77
17	SOHLH1 and SOHLH2 control Kit expression during postnatal male germ cell development.. <i>Journal of Cell Science</i> , 2012, 125, 1455-64.	1.2	73
18	A Novel Function of Junctional Adhesion Molecule-C in Mediating Melanoma Cell Metastasis. <i>Cancer Research</i> , 2011, 71, 4096-4105.	0.4	64

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19	A rapid and simple procedure for the determination of cannabinoids in hemp food products by gas chromatography-mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 36, 939-946.	1.4	63
20	Disposition of Gamma-Hydroxybutyric Acid in Conventional and Nonconventional Biologic Fluids After Single Drug Administration: Issues in Methodology and Drug Monitoring. <i>Therapeutic Drug Monitoring</i> , 2007, 29, 64-70.	1.0	63
21	Development and Validation of a High-Performance Liquid Chromatography~Mass Spectrometry Assay for Determination of Amphetamine, Methamphetamine, and Methylenedioxy Derivatives in Meconium. <i>Analytical Chemistry</i> , 2004, 76, 2124-2132.	3.2	62
22	Hair analysis for nicotine and cotinine: evaluation of extraction procedures, hair treatments, and development of reference material. <i>Forensic Science International</i> , 1997, 84, 243-252.	1.3	59
23	Liquid chromatography~tandem mass spectrometry for fatty acid ethyl esters in meconium: Assessment of prenatal exposure to alcohol in two European cohorts. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 48, 927-933.	1.4	56
24	High performance liquid chromatography-diode array and electrospray-mass spectrometry analysis of vardenafil, sildenafil, tadalafil, testosterone and local anesthetics in cosmetic creams sold on the Internet web sites. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2009, 50, 362-369.	1.4	56
25	Quantification of the plant-derived hallucinogen Salvinorin A in conventional and non-conventional biological fluids by gas chromatography/mass spectrometry after <i>Salvia divinorum</i> smoking. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 1649-1656.	0.7	54
26	Liquid chromatography~atmospheric pressure ionization electrospray mass spectrometry determination of ~hallucinogenic designer drugs~in urine of consumers. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 47, 335-342.	1.4	53
27	A rapid and simple procedure for the determination of ephedrine alkaloids in dietary supplements by gas chromatography~mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 41, 1633-1641.	1.4	46
28	Subcellular localization and regulation of type-1C and type-5 phosphodiesterases. <i>Biochemical and Biophysical Research Communications</i> , 2006, 341, 837-846.	1.0	45
29	Chronic Inhibition of PDE5 Limits Pro-Inflammatory Monocyte-Macrophage Polarization in Streptozotocin-Induced Diabetic Mice. <i>PLoS ONE</i> , 2015, 10, e0126580.	1.1	45
30	The analysis of nicotine in infants' hair for measuring exposure to environmental tobacco smoke. <i>Forensic Science International</i> , 1997, 84, 253-258.	1.3	44
31	High-performance liquid chromatography~diode array and electrospray-mass spectrometry analysis of non-allowed substances in cosmetic products for preventing hair loss and other hormone-dependent skin diseases. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 48, 641-648.	1.4	43
32	Development and validation of a high-performance liquid chromatography~mass spectrometry assay for methylxanthines and taurine in dietary supplements. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 37, 499-507.	1.4	42
33	Analysis of the gene expression profile of mouse male meiotic germ cells. <i>Gene Expression Patterns</i> , 2004, 4, 267-281.	0.3	41
34	Inhibition of type 5 phosphodiesterase counteracts β 2-adrenergic signalling in beating cardiomyocytes. <i>Cardiovascular Research</i> , 2015, 106, 408-420.	1.8	40
35	Liquid Chromatography With Tandem Mass Spectrometric Detection for the Measurement of Ethyl Glucuronide and Ethyl Sulfate in Meconium: New Biomarkers of Gestational Ethanol Exposure?. <i>Therapeutic Drug Monitoring</i> , 2008, 30, 725-732.	1.0	39
36	Liquid chromatography~electrospray ionization mass spectrometry determination of methylphenidate and ritalinic acid in conventional and non-conventional biological matrices. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2009, 49, 434-439.	1.4	39

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37	Activated c-Kit receptor in the heart promotes cardiac repair and regeneration after injury. <i>Cell Death and Disease</i> , 2016, 7, e2317-e2317.	2.7	38
38	Quantification of δ^9 -tetrahydrocannabinol and its Major Metabolites in Meconium by Gas Chromatographic-mass Spectrometric Assay: Assay Validation and Preliminary Results of the "Meconium Project". <i>Therapeutic Drug Monitoring</i> , 2006, 28, 700-706.	1.0	37
39	Quantification of arecoline (areca nut alkaloid) in neonatal biological matrices by high-performance liquid chromatography/electrospray quadrupole mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 1958-1964.	0.7	36
40	Recent Trends in Analytical Methods to Determine New Psychoactive Substances in Hair. <i>Current Neuropharmacology</i> , 2017, 15, 663-681.	1.4	36
41	3,4-Methylenedioxyamphetamine (MDMA) Intoxication in an Infant Chronically Exposed to Cocaine. <i>Therapeutic Drug Monitoring</i> , 2005, 27, 409-411.	1.0	34
42	Unsuspected Exposure to Cocaine in Preschool Children From a Mediterranean City Detected by Hair Analysis. <i>Therapeutic Drug Monitoring</i> , 2009, 31, 391-395.	1.0	34
43	A rapid and simple procedure for the determination of synephrine in dietary supplements by gas chromatography-mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 41, 1468-1472.	1.4	33
44	Development and validation of a gas chromatography-mass spectrometry assay for opiates and cocaine in human teeth. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 40, 662-668.	1.4	31
45	Successful Nicotine Intake in Medical Assisted Use of E-Cigarettes: A Pilot Study. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 7638-7646.	1.2	31
46	Neurotoxic Thioether Adducts of 3,4-Methylenedioxyamphetamine Identified in Human Urine After Ecstasy Ingestion. <i>Drug Metabolism and Disposition</i> , 2009, 37, 1448-1455.	1.7	30
47	Simultaneous determination of zidovudine and nevirapine in human plasma by RP-LC. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002, 29, 1081-1088.	1.4	29
48	Identification and quantification of 11-nor- δ^9 -tetrahydrocannabinol-9-carboxylic acid glucuronide (THC-COOH-glu) in hair by ultra-performance liquid chromatography tandem mass spectrometry as a potential hair biomarker of cannabis use. <i>Forensic Science International</i> , 2015, 249, 47-51.	1.3	29
49	Are False-Positive Phencyclidine Immunoassay Instant-View Multi-Test Results Caused by Overdose Concentrations of Ibuprofen, Metamizol, and Dextromethorphan?. <i>Therapeutic Drug Monitoring</i> , 2007, 29, 671-673.	1.0	27
50	Correlation Between Methylphenidate and Ritalinic Acid Concentrations in Oral Fluid and Plasma. <i>Clinical Chemistry</i> , 2010, 56, 585-592.	1.5	27
51	Cancer Response to Therapy-Induced Senescence: A Matter of Dose and Timing. <i>Cancers</i> , 2021, 13, 484.	1.7	27
52	Microgravity Promotes Differentiation and Meiotic Entry of Postnatal Mouse Male Germ Cells. <i>PLoS ONE</i> , 2010, 5, e9064.	1.1	26
53	Confirmation of gestational exposure to alprazolam by analysis of biological matrices in a newborn with neonatal sepsis. <i>Clinical Toxicology</i> , 2007, 45, 295-298.	0.8	25
54	Rapid extraction, identification and quantification of drugs of abuse in hair by immunoassay and ultra-performance liquid chromatography tandem mass spectrometry. <i>Clinical Chemistry and Laboratory Medicine</i> , 2014, 52, 679-86.	1.4	23

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55	Targeted JAM-C deletion in germ cells by Spo11-controlled Cre recombinase. <i>Journal of Cell Science</i> , 2011, 124, 91-99.	1.2	22
56	A surge of late-occurring meiotic double-strand breaks rescues synapsis abnormalities in spermatocytes of mice with hypomorphic expression of SPO11. <i>Chromosoma</i> , 2016, 125, 189-203.	1.0	22
57	Identification of murine phosphodiesterase 5A isoforms and their functional characterization in HL60 cardiac cell line. <i>Journal of Cellular Physiology</i> , 2018, 233, 325-337.	2.0	22
58	Stability of endogenous GHB in vitreous humor vs peripheral blood in dead bodies. <i>Forensic Science International</i> , 2017, 274, 64-69.	1.3	20
59	Stem cell factor activates telomerase in mouse mitotic spermatogonia and in primordial germ cells. <i>Journal of Cell Science</i> , 2002, 115, 1643-9.	1.2	20
60	Expression of EGFL7 in primordial germ cells and in adult ovaries and testes. <i>Gene Expression Patterns</i> , 2008, 8, 389-396.	0.3	19
61	Critical role of phosphodiesterase 2A in mouse congenital heart defects. <i>Cardiovascular Research</i> , 2018, 114, 830-845.	1.8	19
62	Ultra-High Performance Liquid Chromatography-High Resolution Mass Spectrometry and High-Sensitivity Gas Chromatography-Mass Spectrometry Screening of Classic Drugs and New Psychoactive Substances and Metabolites in Urine of Consumers. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4000.	1.8	19
63	Advances in the analysis of non-allowed pharmacologically active substances in cosmetic products. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 55, 842-847.	1.4	18
64	Usefulness of Sweat Testing for the Detection of Methylphenidate After Fast- and Extended-Release Drug Administration: A Pilot Study. <i>Therapeutic Drug Monitoring</i> , 2010, 32, 508-511.	1.0	15
65	Hair and urine testing to assess drugs of abuse consumption in couples undergoing assisted reproductive technology (ART). <i>Forensic Science International</i> , 2012, 218, 57-61.	1.3	15
66	ATM Kinase Dead: From Ataxia Telangiectasia Syndrome to Cancer. <i>Cancers</i> , 2021, 13, 5498.	1.7	15
67	Assessment of Unsuspected Exposure to Drugs of Abuse in Children from a Mediterranean City by Hair Testing. <i>International Journal of Environmental Research and Public Health</i> , 2014, 11, 2288-2298.	1.2	14
68	TDM Grand Rounds: Neonatal Nicotine Withdrawal Syndrome in an Infant Prenatally and Postnatally Exposed to Heavy Cigarette Smoke. <i>Therapeutic Drug Monitoring</i> , 2006, 28, 585-588.	1.0	13
69	A simple toxicological analysis of anabolic steroid preparations from the black market. <i>Toxicologie Analytique Et Clinique</i> , 2012, 24, 67-72.	0.1	13
70	Alimemazine poisoning as evidence of Munchausen syndrome by proxy: A pediatric case report. <i>Forensic Science International</i> , 2016, 266, e18-e22.	1.3	12
71	Bone Marrow Transplantation as Therapy for Ataxia-Telangiectasia: A Systematic Review. <i>Cancers</i> , 2020, 12, 3207.	1.7	12
72	PDE2A Is Indispensable for Mouse Liver Development and Hematopoiesis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2902.	1.8	12

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73	Magic truffles or Philosopher's stones: a legal way to sell psilocybin?. <i>Drug Testing and Analysis</i> , 2013, 5, 182-185.	1.6	11
74	Acute Pharmacological Effects and Oral Fluid Biomarkers of the Synthetic Cannabinoid UR-144 and THC in Recreational Users. <i>Biology</i> , 2021, 10, 257.	1.3	10
75	Turmeric (<i>Curcuma longa</i> L.) food supplements and hepatotoxicity: an integrated evaluation approach. <i>Annali Dell'Istituto Superiore Di Sanita</i> , 2020, 56, 462-469.	0.2	10
76	β -Adrenergic response is counteracted by extremely-low-frequency pulsed electromagnetic fields in beating cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 98, 146-158.	0.9	9
77	Atm reactivation reverses ataxia telangiectasia phenotypes in vivo. <i>Cell Death and Disease</i> , 2018, 9, 314.	2.7	9
78	Atrophy, oxidative switching and ultrastructural defects in skeletal muscle of Ataxia Telangiectasia mouse model. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	9
79	Regulation of Kit Expression in Early Mouse Embryos and ES Cells. <i>Stem Cells</i> , 2019, 37, 332-344.	1.4	9
80	Nonnucleoside Reverse Transcriptase Inhibitor Concentrations During Treatment Interruptions and the Emergence of Resistance: A Substudy of the ISS-PART Trial. <i>AIDS Research and Human Retroviruses</i> , 2010, 26, 541-545.	0.5	7
81	Simple and rapid analysis of methylidibromo glutaronitrile in cosmetic products by gas chromatography mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 56, 1112-6.	1.4	6
82	MAPK activation drives male and female mouse teratocarcinomas from late primordial germ cells. <i>Journal of Cell Science</i> , 2022, 135, .	1.2	6
83	ANALYSIS OF OPIATES IN HUMAN HAIR BY HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1999, 22, 873-884.	0.5	5
84	DETERMINATION OF FAT-SOLUBLE NUTRIENTS IN SERUM BY LIQUID CHROMATOGRAPHY AND MULTIWAVELENGTH DETECTION. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2002, 25, 781-786.	0.5	5
85	Hair Testing for Classic Drugs of Abuse to Monitor Cocaine Use Disorder in Patients Following Transcranial Magnetic Stimulation Protocol Treatment. <i>Biology</i> , 2021, 10, 403.	1.3	5
86	MANP Activation Of The cGMP Inhibits Aldosterone Via PDE2 And CYP11B2 In H295R Cells And In Mice. <i>Hypertension</i> , 2022, 79, 1702-1712.	1.3	5
87	Low molecular weight acid phosphatase/phosphotyrosyl protein phosphatase in the developing chick brain: Partial characterization and levels during development. , 1999, 284, 27-34.		3
88	Myocardial bridging and ecstasy: A fatal combination involving a 22year-old male. <i>International Journal of Cardiology</i> , 2016, 220, 835-836.	0.8	3
89	TLQP-21 changes in response to a glucose load. <i>Tissue and Cell</i> , 2021, 68, 101471.	1.0	3
90	Systematic toxicological analysis of Indian herbal ready-to-chew pouches by gas chromatography mass spectrometry. <i>Toxicologie Analytique Et Clinique</i> , 2011, 23, 205-210.	0.1	3

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91	New Psychoactive Substances Consumption in Opioid-Use Disorder Patients. <i>Biology</i> , 2022, 11, 645.	1.3	2
92	Structural and immunological similarities between high molecular weight zinc ion-dependent p-nitrophenylphosphatase and fructose-1,6-bisphosphate aldolase from bovine liver. <i>BBA - Proteins and Proteomics</i> , 2001, 1546, 226-233.	2.1	1
93	Model of Murine Ventricular Cardiac Tissue for In Vitro Kinematic-Dynamic Studies of Electromagnetic and β^2 -Adrenergic Stimulation. <i>Journal of Healthcare Engineering</i> , 2017, 2017, 1-7.	1.1	1
94	Targeted JAM-C deletion in germ cells by Spo11-controlled Cre recombinase. <i>Development (Cambridge)</i> , 2011, 138, e0208-e0208.	1.2	0
95	SOHLH1 and SOHLH2 control Kit expression during postnatal male germ cell development. <i>Development (Cambridge)</i> , 2012, 139, e1106-e1106.	1.2	0
96	UV and genotoxic stress induce ATR relocalization in mouse spermatocytes. <i>International Journal of Developmental Biology</i> , 2013, 57, 281-287.	0.3	0