

# Renzo Bagnati

## List of Publications by Year in descending order

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84  
papers

6,368  
citations

126907

33  
h-index

64796

79  
g-index

88  
all docs

88  
docs citations

88  
times ranked

7158  
citing authors

#	ARTICLE	IF	CITATIONS
1	Removal of Pharmaceuticals in Sewage Treatment Plants in Italy. <i>Environmental Science &amp; Technology</i> , 2006, 40, 357-363.	10.0	706
2	Strategic Survey of Therapeutic Drugs in the Rivers Po and Lambro in Northern Italy. <i>Environmental Science &amp; Technology</i> , 2003, 37, 1241-1248.	10.0	557
3	Estimating Community Drug Abuse by Wastewater Analysis. <i>Environmental Health Perspectives</i> , 2008, 116, 1027-1032.	6.0	514
4	Cocaine in surface waters: a new evidence-based tool to monitor community drug abuse. <i>Environmental Health</i> , 2005, 4, 14.	4.0	445
5	Source, occurrence and fate of antibiotics in the Italian aquatic environment. <i>Journal of Hazardous Materials</i> , 2010, 179, 1042-1048.	12.4	419
6	Identification and Measurement of Illicit Drugs and Their Metabolites in Urban Wastewater by Liquid Chromatography-Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2006, 78, 8421-8429.	6.5	392
7	A multiresidue analytical method using solid-phase extraction and high-pressure liquid chromatography tandem mass spectrometry to measure pharmaceuticals of different therapeutic classes in urban wastewaters. <i>Journal of Chromatography A</i> , 2005, 1092, 206-215.	3.7	340
8	Illicit drugs, a novel group of environmental contaminants. <i>Water Research</i> , 2008, 42, 961-968.	11.3	257
9	Dendritic cells as a major source of macrophage-derived chemokine/CCL22 in vitro and in vivo. <i>European Journal of Immunology</i> , 2001, 31, 812-822.	2.9	246
10	Limbic Seizures Induce P-Glycoprotein in Rodent Brain: Functional Implications for Pharmacoresistance. <i>Journal of Neuroscience</i> , 2002, 22, 5833-5839.	3.6	233
11	Pharmaceuticals in the Environment in Italy: Causes, Occurrence, Effects and Control. <i>Environmental Science and Pollution Research</i> , 2006, 13, 15-21.	5.3	216
12	Mass spectrometric analysis of illicit drugs in wastewater and surface water. <i>Mass Spectrometry Reviews</i> , 2008, 27, 378-394.	5.4	127
13	Identification of cocaine and its metabolites in urban wastewater and comparison with the human excretion profile in urine. <i>Water Research</i> , 2011, 45, 5141-5150.	11.3	95
14	Methodological approaches for studying pharmaceuticals in the environment by comparing predicted and measured concentrations in River Po, Italy. <i>Regulatory Toxicology and Pharmacology</i> , 2004, 39, 25-32.	2.7	90
15	Changes in illicit drug consumption patterns in 2009 detected by wastewater analysis. <i>Drug and Alcohol Dependence</i> , 2011, 118, 464-469.	3.2	88
16	Chemical characterization of Iraqi propolis samples and assessing their antioxidant potentials. <i>Food and Chemical Toxicology</i> , 2011, 49, 2415-2421.	3.6	68
17	Effect of diet on serum albumin and hemoglobin adducts of 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP) in humans. <i>International Journal of Cancer</i> , 2000, 88, 1-6.	5.1	61
18	Analysis of diethylstilbestrol, dienestrol and hexestrol in biological samples by immunoaffinity extraction and gas chromatography-negative-ion chemical ionization mass spectrometry. <i>Biomedical Applications</i> , 1990, 527, 267-278.	1.7	59

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19	Role of the Molybdoflavoenzyme Aldehyde Oxidase Homolog 2 in the Biosynthesis of Retinoic Acid: Generation and Characterization of a Knockout Mouse. <i>Molecular and Cellular Biology</i> , 2009, 29, 357-377.	2.3	55
20	Increased concentrations of nitrophenols in leaves from a damaged forestal site. <i>Chemosphere</i> , 1999, 38, 1495-1503.	8.2	54
21	Screening new psychoactive substances in urban wastewater using high resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 4297-4309.	3.7	52
22	Dexamethasone Conjugation to Biodegradable Avidin-Nucleic-Acid-Nano-Assemblies Promotes Selective Liver Targeting and Improves Therapeutic Efficacy in an Autoimmune Hepatitis Murine Model. <i>ACS Nano</i> , 2019, 13, 4410-4423.	14.6	47
23	Analysis of Dexamethasone and Betamethasone in Bovine Urine by Purification with an "On-Line" Immunoaffinity Chromatography-High-Performance Liquid Chromatography System and Determination by Gas Chromatography-Mass Spectrometry. <i>Analytical Biochemistry</i> , 1996, 235, 119-126.	2.4	46
24	Secretome Analysis of Multiple Pancreatic Cancer Cell Lines Reveals Perturbations of Key Functional Networks. <i>Journal of Proteome Research</i> , 2010, 9, 4376-4392.	3.7	45
25	Effects of cigarette smoking on the human urinary proteome. <i>Biochemical and Biophysical Research Communications</i> , 2009, 381, 397-402.	2.1	40
26	Proteome analysis for the identification of in vivo estrogen-regulated proteins in bone. <i>Proteomics</i> , 2005, 5, 4936-4945.	2.2	39
27	Potent and selective aldo-keto reductase 1C3 (AKR1C3) inhibitors based on the benzoisoxazole moiety: application of a bioisosteric scaffold hopping approach to flufenamic acid. <i>European Journal of Medicinal Chemistry</i> , 2018, 150, 930-945.	5.5	39
28	Pharmaceuticals and other contaminants in waters and sediments from Augusta Bay (southern Italy). <i>Science of the Total Environment</i> , 2020, 739, 139827.	8.0	39
29	Screening of 21 pesticides in water by single extraction with C18 silica bonded phase columns and HRGC-MS. <i>Chemosphere</i> , 1988, 17, 59-65.	8.2	37
30	DNA damage induced by alachlor after in vitro activation by rat hepatocytes. <i>Toxicology</i> , 1992, 72, 207-219.	4.2	36
31	Dexamethasone inhibits the anti-tumor effect of interleukin 4 on rat experimental gliomas. <i>Gene Therapy</i> , 2003, 10, 188-192.	4.5	36
32	Early kynurenine pathway activation following cardiac arrest in rats, pigs, and humans. <i>Resuscitation</i> , 2013, 84, 1604-1610.	3.0	35
33	Flexible high resolution-mass spectrometry approach for screening new psychoactive substances in urban wastewater. <i>Science of the Total Environment</i> , 2019, 689, 679-690.	8.0	35
34	High resolution mass spectrometry to investigate omeprazole and venlafaxine metabolites in wastewater. <i>Journal of Hazardous Materials</i> , 2016, 302, 332-340.	12.4	34
35	Insights into kinetics, release, and behavioral effects of brain-targeted hybrid nanoparticles for cholesterol delivery in Huntington's disease. <i>Journal of Controlled Release</i> , 2021, 330, 587-598.	9.9	33
36	Purification and analysis of drug residues in urine samples by on-line immunoaffinity chromatography/high-performance liquid chromatography/continuous-flow fast-atom-bombardment mass spectrometry. <i>Analytical Chemistry</i> , 1993, 65, 2679-2685.	6.5	32

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37	Chemical characterization and ecotoxicity of three soil foaming agents used in mechanized tunneling. <i>Journal of Hazardous Materials</i> , 2015, 296, 210-220.	12.4	32
38	Direct analysis of isopropylthioxanthone (ITX) in milk by high-performance liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 1998-2002.	1.5	31
39	Assessing the anti-tumour properties of Iraqi propolis in vitro and in vivo. <i>Food and Chemical Toxicology</i> , 2012, 50, 1632-1641.	3.6	31
40	Determination of 19-nortestosterone, testosterone and trenbolone by gas chromatography-negative-ion mass spectrometry after formation of the pentafluorobenzylcarboxymethoxime-trimethylsilyl derivatives. <i>Journal of Chromatography A</i> , 1991, 547, 325-334.	3.7	30
41	Expression of A2V-mutated A $\beta$ 2 in <i>Caenorhabditis elegans</i> results in oligomer formation and toxicity. <i>Neurobiology of Disease</i> , 2014, 62, 521-532.	4.4	30
42	Bioisosteres of Indomethacin as Inhibitors of Aldo-Keto Reductase 1C3. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 437-443.	2.8	30
43	Plasma clusterin as a candidate pre-diagnosis marker of colorectal cancer risk in the Florence cohort of the European Prospective Investigation into Cancer and Nutrition: a pilot study. <i>BMC Cancer</i> , 2015, 15, 56.	2.6	29
44	Theoretical, antioxidant and cytotoxic activities of caffeic acid phenethyl ester and chrysin. <i>International Journal of Food Sciences and Nutrition</i> , 2014, 65, 101-105.	2.8	28
45	Application of an enzyme-linked immunosorbent assay kit for $\beta$ -agonist screening of bovine urines in north-eastern Italy. <i>Analytica Chimica Acta</i> , 1993, 275, 215-219.	5.4	27
46	Analysis of atrazine in underground waters at part per trillion levels as an early warning method for contamination and for soil distribution studies. <i>Chemosphere</i> , 1987, 16, 1425-1430.	8.2	25
47	Fast and reliable artemisinin determination from different <i>Artemisia annua</i> leaves based alimentary products by high performance liquid chromatography-tandem mass spectrometry. <i>Food Chemistry</i> , 2014, 142, 114-120.	8.2	23
48	Hydroxazole scaffold-based Plasmodium falciparum dihydroorotate dehydrogenase inhibitors: Synthesis, biological evaluation and X-ray structural studies. <i>European Journal of Medicinal Chemistry</i> , 2019, 163, 266-280.	5.5	23
49	Development and validation of a liquid chromatography-tandem mass spectrometry method for the determination of ST1926, a novel oral antitumor agent, adamantyl retinoid derivative, in plasma of patients in a Phase I study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 3118-3126.	2.3	22
50	Efficacy of Cholesterol Nose-to-Brain Delivery for Brain Targeting in Huntington's Disease. <i>ACS Chemical Neuroscience</i> , 2020, 11, 367-372.	3.5	22
51	Determination of zeranol and $\beta$ -zearalanol in calf urine by immunoaffinity extraction and gas chromatography-mass spectrometry after repeated administration of zeranol. <i>Biomedical Applications</i> , 1991, 564, 493-502.	1.7	21
52	Targeting Acute Myelogenous Leukemia Using Potent Human Dihydroorotate Dehydrogenase Inhibitors Based on the 2-Hydroxypyrazolo[1,5-c]pyridine Scaffold: SAR of the Biphenyl Moiety. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 5404-5428.	6.4	19
53	Pharmacokinetics and Metabolism in Mice of IDN 5390 (13-(N-Boc-3- <i>i</i> -butylisoserinoyl)-C-7,8-seco-10-deacetylbaicatin III), a New Oral C-seco-Taxane Derivative with Antiangiogenic Property Effective on Paclitaxel-Resistant Tumors. <i>Drug Metabolism and Disposition</i> , 2006, 34, 2028-2035.	3.3	18
54	Liquid Chromatography-Tandem Mass Spectrometry Analysis of Perfluorooctane Sulfonate and Perfluorooctanoic Acid in Fish Fillet Samples. <i>Journal of Analytical Methods in Chemistry</i> , 2012, 2012, 1-5.	1.6	15

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55	Mouse aldehyde-oxidase-4 controls diurnal rhythms, fat deposition and locomotor activity. Scientific Reports, 2016, 6, 30343.	3.3	15
56	Identification of Sulfonated and Hydroxy-Sulfonated Polychlorinated Biphenyl (PCB) Metabolites in Soil: New Classes of Intermediate Products of PCB Degradation?. Environmental Science & Technology, 2019, 53, 10601-10611.	10.0	15
57	Analysis of Phosphoinositides and Their Aqueous Metabolites. Methods in Enzymology, 2007, 434, 187-232.	1.0	14
58	Lovastatin fails to improve motor performance and survival in methyl-CpG-binding protein2-null mice. ELife, 2016, 5, .	6.0	14
59	The combustion of municipal solid waste and PCDD and PCDF emissions. On the real scale thermal behavior of PCDD and PCDF in flue gas and fly ash. Chemosphere, 1990, 20, 1907-1914.	8.2	13
60	A combination of untargeted and targeted metabolomics approaches unveils changes in the kynurenine pathway following cardiopulmonary resuscitation. Metabolomics, 2013, 9, 839-852.	3.0	13
61	Pharmacological antagonism of kainate receptor rescues dysfunction and loss of dopamine neurons in a mouse model of human parkin-induced toxicity. Cell Death and Disease, 2020, 11, 963.	6.3	13
62	Quantification of trabectedin in human plasma: Validation of a high-performance liquid chromatographyâ€‘mass spectrometry method and its application in a clinical pharmacokinetic study. Journal of Pharmaceutical and Biomedical Analysis, 2014, 95, 107-112.	2.8	12
63	An enzymeâ€‘linked immunosorbent assay for the direct analysis of betaâ€‘agonist drugs in urine and sera. Food and Agricultural Immunology, 1992, 4, 73-82.	1.4	11
64	Metabolic profile of atrazine and N-nitrosoatrazine in rat urine. Bulletin of Environmental Contamination and Toxicology, 1992, 48, 701-8.	2.7	11
65	Organic tracers identification as a convenient strategy in industrial landfills monitoring. Chemosphere, 2003, 51, 677-683.	8.2	11
66	Quasi-SMILES as a tool to predict removal rates of pharmaceuticals and dyes in sewage. Chemical Engineering Research and Design, 2018, 118, 227-233.	5.6	11
67	(Eco)toxicological maps: A new risk assessment method integrating traditional and in silico tools and its application in the Ledra River (Italy). Environment International, 2018, 119, 275-286.	10.0	11
68	Persistent organic pollutants in sea bass ( <i>Dicentrarchus labrax</i> L.) in two fish farms in the Mediterranean Sea. Chemosphere, 2013, 93, 338-343.	8.2	10
69	Genistein and dicarboximide fungicides in infant formulae from the EU market. Food Chemistry, 2013, 136, 116-119.	8.2	10
70	Chemical characterization, antioxidant and cytotoxic activities of the methanolic extract of <i>Hymenocrater longiflorus</i> grown in Iraq. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2015, 70, 227-235.	1.4	9
71	Perfluorooctane Sulfonate (PFOS), Perfluorooctanoic Acid (PFOA), Brominated Dioxins (PBDDs) and Furans (PBDFs) in Wild and Farmed Organisms at Different Trophic Levels in the Mediterranean Sea. Toxics, 2018, 6, 50.	3.7	9
72	Development and validation of a high-performance liquid chromatographyâ€‘tandem mass spectrometry method for the determination of the novel proteasome inhibitor CEPâ€‘18770 in human plasma and its application in a clinical pharmacokinetic study. Journal of Mass Spectrometry, 2010, 45, 1299-1305.	1.6	8

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73	Bioaccumulation of PCBs and their hydroxy and sulfonated metabolites in earthworms: Comparing lab and field results. <i>Environmental Pollution</i> , 2022, 293, 118507.	7.5	8
74	An integrated approach, based on mass spectrometry, for the assessment of imidacloprid metabolism and penetration into mouse brain and fetus after oral treatment. <i>Toxicology</i> , 2021, 462, 152935.	4.2	7
75	Mesenchymal Stromal Cells Uptake and Release Paclitaxel without Reducing its Anticancer Activity. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2015, 15, 400-405.	1.7	7
76	New aldo-keto reductase 1C3 (AKR1C3) inhibitors based on the hydroxytriazole scaffold. <i>European Journal of Medicinal Chemistry</i> , 2022, 237, 114366.	5.5	7
77	Development and validation of a high-performance liquid chromatography-tandem mass spectrometry method for the determination of the novel inhibitor of angiogenesis E3810 in human plasma and its application in a clinical pharmacokinetic study. <i>Journal of Mass Spectrometry</i> , 2011, 46, 1039-1045.	1.6	5
78	Brain disposition, metabolism and behavioral effects of the synthetic opioid AH-7921 in rats. <i>Neuropharmacology</i> , 2018, 133, 51-62.	4.1	5
79	Brain Disposition of cis-para-Methyl-4-Methylaminorex (cis-4,4-DMAR) and Its Potential Metabolites after Acute and Chronic Treatment in Rats: Correlation with Central Behavioral Effects. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2017, 361, 492-500.	2.5	4
80	CHEMICAL COMPOSITION, ANTIMICROBIAL, ANTIOXIDANT AND CYTOTOXIC ACTIVITIES OF <i>EUCALYPTUS CHAPMANIANA</i> GROWN IN IRAQ. <i>American Journal of Agricultural and Biological Science</i> , 2014, 9, 78-88.	0.4	3
81	Brain Uptake of Tetrahydrohyperforin and Potential Metabolites after Repeated Dosing in Mice. <i>Journal of Natural Products</i> , 2015, 78, 2029-2035.	3.0	3
82	Millet-Porridge with <i>Artemisia annua</i> as First Aid for African Children with Malaria?. <i>Journal of Alternative and Complementary Medicine</i> , 2011, 17, 371-373.	2.1	2
83	Automated Online Solid-Phase Extraction-Liquid Chromatography Mass Spectrometric Analysis of Dithianon in Water. <i>European Journal of Mass Spectrometry</i> , 2016, 22, 261-267.	1.0	2
84	Preparation of 4,4-diaminodiphenylmethane-(2H4) for use as internal standard in the quantification of 4,4-diaminodiphenylmethane. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 1991, 29, 725-728.	1.0	0