

# 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

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88

docs citations

88

times ranked

7158

citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Targeting Acute Myelogenous Leukemia Using Potent Human Dihydroorotate Dehydrogenase Inhibitors Based on the 2-Hydroxypyrazolo[1,5- <i>a</i> ]pyridine Scaffold: SAR of the Biphenyl Moiety. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 5404-5428.	6.4	19
5	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
6	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
7	Pharmacological antagonism of kainate receptor rescues dysfunction and loss of dopamine neurons in a mouse model of human parkin-induced toxicity. <i>Cell Death and Disease</i> , 2020, 11, 963.	6.3	13
8	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
9	Identification of Sulfonated and Hydroxy-Sulfonated Polychlorinated Biphenyl (PCB) Metabolites in Soil: New Classes of Intermediate Products of PCB Degradation?. <i>Environmental Science &amp; Technology</i> , 2019, 53, 10601-10611.	10.0	15
10	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
11	Bioisosteres of Indomethacin as Inhibitors of Aldo-Keto Reductase 1C3. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 437-443.	2.8	30
12	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
13	Hydroxyazole 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
14	Brain disposition, metabolism and behavioral effects of the synthetic opioid AH-7921 in rats. <i>Neuropharmacology</i> , 2018, 133, 51-62.	4.1	5
15	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
16	Quasi-SMILES as a tool to predict removal rates of pharmaceuticals and dyes in sewage. <i>Chemical Engineering Research and Design</i> , 2018, 118, 227-233.	5.6	11
17	(Eco)toxicological maps: A new risk assessment method integrating traditional and in silico tools and its application in the Ledra River (Italy). <i>Environment International</i> , 2018, 119, 275-286.	10.0	11
18	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. <i>Toxics</i> , 2018, 6, 50.	3.7	9

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19	Brain Disposition of cis-para-Methyl-4-Methylaminorex (cis-4,4â€²-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
20	Mouse aldehyde-oxidase-4 controls diurnal rhythms, fat deposition and locomotor activity. <i>Scientific Reports</i> , 2016, 6, 30343.	3.3	15
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	Automated Online Solid-Phase Extractionâ€”Liquid Chromatography Mass Spectrometric Analysis of Dithianon in Water. <i>European Journal of Mass Spectrometry</i> , 2016, 22, 261-267.	1.0	2
23	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
24	Lovastatin fails to improve motor performance and survival in methyl-CpG-binding protein2-null mice. <i>ELife</i> , 2016, 5, .	6.0	14
25	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
26	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
27	Chemical characterization, antioxidant and cytotoxic activities of the methanolic extract of <i>Hymenocrater longiflorus</i> grown in Iraq. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2015, 70, 227-235.	1.4	9
28	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
29	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
30	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
31	Quantification of trabectedin in human plasma: Validation of a high-performance liquid chromatographyâ€”mass spectrometry method and its application in a clinical pharmacokinetic study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 95, 107-112.	2.8	12
32	Fast and reliable artemisinin determination from different <i>Artemisia annua</i> leaves based alimentary products by high performance liquid chromatographyâ€”tandem mass spectrometry. <i>Food Chemistry</i> , 2014, 142, 114-120.	8.2	23
33	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
34	Expression of A2V-mutated AÎ² in <i>Caenorhabditis elegans</i> results in oligomer formation and toxicity. <i>Neurobiology of Disease</i> , 2014, 62, 521-532.	4.4	30
35	A combination of untargeted and targeted metabolomics approaches unveils changes in the kynurenine pathway following cardiopulmonary resuscitation. <i>Metabolomics</i> , 2013, 9, 839-852.	3.0	13
36	Early kynurenine pathway activation following cardiac arrest in rats, pigs, and humans. <i>Resuscitation</i> , 2013, 84, 1604-1610.	3.0	35

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37	Persistent organic pollutants in sea bass ( <i>Dicentrarchus labrax</i> L.) in two fish farms in the Mediterranean Sea. <i>Chemosphere</i> , 2013, 93, 338-343.	8.2	10
38	Genistein and dicarboximide fungicides in infant formulae from the EU market. <i>Food Chemistry</i> , 2013, 136, 116-119.	8.2	10
39	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
40	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
41	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
42	Chemical characterization of Iraqi propolis samples and assessing their antioxidant potentials. <i>Food and Chemical Toxicology</i> , 2011, 49, 2415-2421.	3.6	68
43	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
44	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
45	Development and validation of a high-performance liquid chromatography-tandem mass spectrometry method for the determination of the novel inhibitor of angiogenesis Eâ€8810 in human plasma and its application in a clinical pharmacokinetic study. <i>Journal of Mass Spectrometry</i> , 2011, 46, 1039-1045.	1.6	5
46	Development and validation of a high-performance liquid chromatography-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. <i>Journal of Mass Spectrometry</i> , 2010, 45, 1299-1305.	1.6	8
47	Source, occurrence and fate of antibiotics in the Italian aquatic environment. <i>Journal of Hazardous Materials</i> , 2010, 179, 1042-1048.	12.4	419
48	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
49	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
50	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
51	Effects of cigarette smoking on the human urinary proteome. <i>Biochemical and Biophysical Research Communications</i> , 2009, 381, 397-402.	2.1	40
52	Mass spectrometric analysis of illicit drugs in wastewater and surface water. <i>Mass Spectrometry Reviews</i> , 2008, 27, 378-394.	5.4	127
53	Illicit drugs, a novel group of environmental contaminants. <i>Water Research</i> , 2008, 42, 961-968.	11.3	257
54	Estimating Community Drug Abuse by Wastewater Analysis. <i>Environmental Health Perspectives</i> , 2008, 116, 1027-1032.	6.0	514

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55	Analysis of Phosphoinositides and Their Aqueous Metabolites. <i>Methods in Enzymology</i> , 2007, 434, 187-232.	1.0	14
56	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
57	Removal of Pharmaceuticals in Sewage Treatment Plants in Italy. <i>Environmental Science &amp; Technology</i> , 2006, 40, 357-363.	10.0	706
58	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
59	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
60	Pharmacokinetics and Metabolism in Mice of IDN 5390 (13-(N-Boc-3-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
61	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
62	Proteome analysis for the identification of in vivo estrogen-regulated proteins in bone. <i>Proteomics</i> , 2005, 5, 4936-4945.	2.2	39
63	Cocaine in surface waters: a new evidence-based tool to monitor community drug abuse. <i>Environmental Health</i> , 2005, 4, 14.	4.0	445
64	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
65	Dexamethasone inhibits the anti-tumor effect of interleukin 4 on rat experimental gliomas. <i>Gene Therapy</i> , 2003, 10, 188-192.	4.5	36
66	Organic tracers identification as a convenient strategy in industrial landfills monitoring. <i>Chemosphere</i> , 2003, 51, 677-683.	8.2	11
67	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
68	Limbic Seizures Induce P-Glycoprotein in Rodent Brain: Functional Implications for Pharmacoresistance. <i>Journal of Neuroscience</i> , 2002, 22, 5833-5839.	3.6	233
69	Dendritic cells as a major source of macrophage-derived chemokine/CCL2 in vitro and in vivo. <i>European Journal of Immunology</i> , 2001, 31, 812-822.	2.9	246
70	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
71	Increased concentrations of nitrophenols in leaves from a damaged forestal site. <i>Chemosphere</i> , 1999, 38, 1495-1503.	8.2	54
72	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

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73	Application of an enzyme-linked immunosorbent assay kit for $\hat{I}^2$ -agonist screening of bovine urines in north-eastern Italy. <i>Analytica Chimica Acta</i> , 1993, 275, 215-219.	5.4	27
74	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
75	An enzyme-linked immunosorbent assay for the direct analysis of beta-agonist drugs in urine and sera. <i>Food and Agricultural Immunology</i> , 1992, 4, 73-82.	1.4	11
76	DNA damage induced by alachlor after in vitro activation by rat hepatocytes. <i>Toxicology</i> , 1992, 72, 207-219.	4.2	36
77	Metabolic profile of atrazine and N-nitrosoatrazine in rat urine. <i>Bulletin of Environmental Contamination and Toxicology</i> , 1992, 48, 701-8.	2.7	11
78	Determination of zeranol and $\hat{I}^2$ -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
79	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
80	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
81	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
82	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. <i>Chemosphere</i> , 1990, 20, 1907-1914.	8.2	13
83	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
84	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