Riccardo Petrelli

List of Publications by Year in Descending Order

95 papers	2,269 citations	27 h-index	42 g-index
106 ext. papers	2,789 ext. citations	4.8 avg, IF	4.99 L-index

#	Paper	IF	Citations
95	Lethal and behavioural effects of a green insecticide against an invasive polyphagous fruit fly pest and its safety to mammals. *Chemosphere*, **2022**, 287, 132089	8.4	5
94	A Comprehensive Phytochemical Analysis of Terpenes, Polyphenols and Cannabinoids, and Micromorphological Characterization of 9 Commercial Varieties of L.. *Plants*, **2022**, 11,	4.5	2
93	Insecticidal activity of two essential oils used in perfumery (ylang ylang and frankincense). *Natural Product Research*, **2021**, 35, 4746-4752	2.3	6
92	Carlina acaulis and Trachyspermum ammi essential oils formulated in protein baits are highly toxic and reduce aggressiveness in the medfly, Ceratitis capitata. *Industrial Crops and Products*, **2021**, 161, 113191	5.9	14
91	Quantification of 17 Endogenous and Exogenous Steroidal Hormones in Equine and Bovine Blood for Doping Control with UHPLC-MS/MS. *Pharmaceuticals*, **2021**, 14,	5.2	2
90	Isofuranodiene, a Natural Sesquiterpene Isolated from Wild Celery (L.), Protects Rats against Acute Ischemic Stroke. *Pharmaceuticals*, **2021**, 14,	5.2	3
89	Characterization of the Aroma Profile and Main Key Odorants of Espresso Coffee. *Molecules*, **2021**, 26,	4.8	6
88	Adenosine receptors as promising targets for the management of ocular diseases. *Medicinal Chemistry Research*, **2021**, 30, 1-18	2.2	7
87	Encapsulation of Carlina acaulis essential oil and carlina oxide to develop long-lasting mosquito larvicides: microemulsions versus nanoemulsions. *Journal of Pest Science*, **2021**, 94, 899-915	5.5	12
86	A Design of Experiment (DoE) Approach to Model the Yield and Chemical Composition of Ajowan (L.) Essential Oil Obtained by Microwave-Assisted Extraction. *Pharmaceuticals*, **2021**, 14,	5.2	3
85	Isofuranodiene-based nanoemulsion: larvicidal and adulticidal activity against tenebrionid beetles attacking stored wheat. *Journal of Stored Products Research*, **2021**, 93, 101859	2.5	2
84	Bioactivity of Essential Oil and Its Main Component towards the Olive Fruit Fly, Ingestion Toxicity, Electrophysiological and Behavioral Insights. *Insects*, **2021**, 12,	2.8	2
83	Spilanthol-rich essential oil obtained by microwave-assisted extraction from Acmella oleracea (L.) R.K. Jansen and its nanoemulsion: Insecticidal, cytotoxic and anti-inflammatory activities. *Industrial Crops and Products*, **2021**, 172, 114027	5.9	2
82	Cannabidiol-enriched hemp essential oil obtained by an optimized microwave-assisted extraction using a central composite design. *Industrial Crops and Products*, **2020**, 154, 112688	5.9	35
81	Effectiveness of eight essential oils against two key stored-product beetles, Prostephanus truncatus (Horn) and Trogoderma granarium Everts. *Food and Chemical Toxicology*, **2020**, 139, 111255	4.7	26
80	Acaricidal activity, mode of action, and persistent efficacy of selected essential oils on the poultry red mite (Dermanyssus gallinae). *Food and Chemical Toxicology*, **2020**, 138, 111207	4.7	10
79	Efficacy of the furanosesquiterpene isofuranodiene against the stored-product insects Prostephanus truncatus (Coleoptera: Bostrychidae) and Trogoderma granarium (Coleoptera: Dermestidae). *Journal of Stored Products Research*, **2020**, 86, 101553	2.5	14

78	Acaricidal properties of hemp (Cannabis sativa L.) essential oil against Dermanyssus gallinae and Hyalomma dromedarii. *Industrial Crops and Products*, **2020**, 147, 112238	5.9	20
77	Ascaridole-rich essential oil from marsh rosemary (Ledum palustre) growing in Poland exerts insecticidal activity on mosquitoes, moths and flies without serious effects on non-target organisms and human cells. *Food and Chemical Toxicology*, **2020**, 138, 111184	4.7	11
76	Recent Progress in Histone Deacetylase Inhibitors as Anticancer Agents. *Current Medicinal Chemistry*, **2020**, 27, 2449-2493	4.3	43
75	Exploring the Molecular Mechanisms Underlying the in vitro Anticancer Effects of Multitarget-Directed Hydrazone Ruthenium(II)-Arene Complexes. *ChemMedChem*, **2020**, 15, 105-113	3.7	10
74	Developing green insecticides to manage olive fruit flies? Ingestion toxicity of four essential oils in protein baits on Bactrocera oleae. *Industrial Crops and Products*, **2020**, 143, 111884	5.9	20
73	Outstanding insecticidal activity and sublethal effects of Carlina acaulis root essential oil on the housefly, Musca domestica, with insights on its toxicity on human cells. *Food and Chemical Toxicology*, **2020**, 136, 111037	4.7	40
72	Developing a Highly Stable Essential Oil Nanoemulsion for Managing. *Nanomaterials*, **2020**, 10,	5.4	29
71	Phytochemical Analysis and Trypanocidal Activity of Desr. *Molecules*, **2020**, 25,	4.8	2
70	Mosquitocidal and Anti-Inflammatory Properties of The Essential Oils Obtained from Monoecious, Male, and Female Inflorescences of Hemp (L.) and Their Encapsulation in Nanoemulsions. *Molecules* , **2020**, 25,	4.8	11
69	In Vitro Scolicidal Activity of the Sesquiterpenes Isofuranodiene, -Bisabolol and Farnesol on Protoscoleces. *Molecules*, **2020**, 25,	4.8	3
68	Rationale for developing novel mosquito larvicides based on isofuranodiene microemulsions. *Journal of Pest Science*, **2019**, 92, 909-921	5.5	41
67	Carlina oxide from Carlina acaulis root essential oil acts as a potent mosquito larvicide. *Industrial Crops and Products*, **2019**, 137, 356-366	5.9	35
66	In Vitro and In Vivo Effectiveness of Carvacrol, Thymol and Linalool against. *Molecules*, **2019**, 24,	4.8	25
65	Exploring the Insecticidal Potential of Boldo () Essential Oil: Toxicity to Pests and Vectors and Non-target Impact on the Microcrustacean. *Molecules*, **2019**, 24,	4.8	9
64	Simultaneous quantitation of 9 anabolic and natural steroidal hormones in equine urine by UHPLC-MS/MS triple quadrupole. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2019**, 1117, 36-40	3.2	5
63	Origanum syriacum subsp. syriacum: From an ingredient of Lebanese hanoushe to a source of effective and eco-friendly botanical insecticides. *Industrial Crops and Products*, **2019**, 134, 26-32	5.9	29
62	Efficacy of Essential Oil against the Mosquito Vector and the Gastrointestinal Parasite , with Insights on Acetylcholinesterase Inhibition. *Molecules*, **2019**, 24,	4.8	10
61	Structure-Based Design, Synthesis, and In Vivo Antinociceptive Effects of Selective A Adenosine Receptor Agonists. *Journal of Medicinal Chemistry*, **2018**, 61, 305-318	8.3	5

60	Acute and sub-lethal toxicity of eight essential oils of commercial interest against the filariasis mosquito Culex quinquefasciatus and the housefly Musca domestica. *Industrial Crops and Products*, **2018**, 112, 668-680	5.9	82
59	1-[3-(4-Butylpiperidin-1-yl)propyl]-1,2,3,4-tetrahydroquinolin-2-one (77-LH-28-1) as a Model for the Rational Design of a Novel Class of Brain Penetrant Ligands with High Affinity and Selectivity for Dopamine D Receptor. *Journal of Medicinal Chemistry*, **2018**, 61, 3712-3725	8.3	18
58	Identification of highly effective antitrypanosomal compounds in essential oils from the Apiaceae family. *Ecotoxicology and Environmental Safety*, **2018**, 156, 154-165	7	41
57	Oviposition inhibitory activity of the Mexican sunflower Tithonia diversifolia (Asteraceae) polar extracts against the two-spotted spider mite Tetranychus urticae (Tetranychidae). *Physiological and Molecular Plant Pathology*, **2018**, 101, 85-92	2.6	12
56	Mosquito control with green nanopesticides: towards the One Health approach? A review of non-target effects. *Environmental Science and Pollution Research*, **2018**, 25, 10184-10206	5.1	82
55	Poly(Styrene Sulfonate)/Poly(Allylamine Hydrochloride) Encapsulation of TiO2 Nanoparticles Boosts Their Toxic and Repellent Activity Against Zika Virus Mosquito Vectors. *Journal of Cluster Science*, **2018**, 29, 27-39	3	10
54	Insights into the GTP-dependent allosteric control of c-di-GMP hydrolysis from the crystal structure of PA0575 protein from Pseudomonas aeruginosa. *FEBS Journal*, **2018**, 285, 3815-3834	5.7	13
53	Not just popular spices! Essential oils from Cuminum cyminum and Pimpinella anisum are toxic to insect pests and vectors without affecting non-target invertebrates. *Industrial Crops and Products*, **2018**, 124, 236-243	5.9	47
52	The essential oil from industrial hemp (Cannabis sativa L.) by-products as an effective tool for insect pest management in organic crops. *Industrial Crops and Products*, **2018**, 122, 308-315	5.9	107
51	Identification of tagitinin C from Tithonia diversifolia as antitrypanosomal compound using bioactivity-guided fractionation. *Fitoterapia*, **2018**, 124, 145-151	3.2	16
50	The crop-residue of fiber hemp cv. Futura 75: from a waste product to a source of botanical insecticides. *Environmental Science and Pollution Research*, **2018**, 25, 10515-10525	5.1	51
49	Ligand Design for N, O- or N, N-Pyrazolone-Based Hydrazones Ruthenium(II)-Arene Complexes and Investigation of Their Anticancer Activity. *Inorganic Chemistry*, **2018**, 57, 14123-14133	5.1	36
48	An overlooked horticultural crop, Smyrnium olusatrum, as a potential source of compounds effective against African trypanosomiasis. *Parasitology International*, **2017**, 66, 146-151	2.1	20
47	Exploring the Role of N-Substituents in Potent Dual Acting 5'-C-Ethyltetrazolyladenosine Derivatives: Synthesis, Binding, Functional Assays, and Antinociceptive Effects in Mice ?. *Journal of Medicinal Chemistry*, **2017**, 60, 4327-4341	8.3	15
46	Novel muscarinic acetylcholine receptor hybrid ligands embedding quinuclidine and 1,4-dioxane fragments. *European Journal of Medicinal Chemistry*, **2017**, 137, 327-337	6.8	11
45	Not ordinary antimalarial drugs: Madagascar plant decoctions potentiating the chloroquine action against Plasmodium parasites. *Industrial Crops and Products*, **2017**, 103, 19-38	5.9	22
44	Synergized mixtures of Apiaceae essential oils and related plant-borne compounds: Larvicidal effectiveness on the filariasis vector Culex quinquefasciatus Say. *Industrial Crops and Products*, **2017**, 96, 186-195	5.9	113
43	Trypanosoma brucei Inhibition by Essential Oils from Medicinal and Aromatic Plants Traditionally Used in Cameroon (Azadirachta indica, Aframomum melegueta, Aframomum daniellii, Clausena anisata, Dichrostachys cinerea and Echinops giganteus). *International Journal of Environmental Research and Public Health*, **2017**, 14,	4.6	13

42	Isofuranodiene and germacrone from Smyrnium olusatrum essential oil as acaricides and oviposition inhibitors against Tetranychus urticae: impact of chemical stabilization of isofuranodiene by interaction with silver triflate. *Journal of Pest Science*, **2017**, 90, 693-699	5.5	23
41	Development and application of a UHPLC-MS/MS method for the simultaneous determination of 17 steroidal hormones in equine serum. *Journal of Mass Spectrometry*, **2017**, 52, 22-29	2.2	20
40	The replacement of the 2-methoxy substituent of N-((6,6-diphenyl-1,4-dioxan-2-yl)methyl)-2-(2-methoxyphenoxy)ethan-1-amine improves the selectivity for 5-HT receptor over □-adrenoceptor and□D-like receptor subtypes. *European Journal of Medicinal Chemistry*, **2017**, 125, 233-244	6.8	14
39	Commentary: Making Green Pesticides Greener? The Potential of Plant Products for Nanosynthesis and Pest Control. *Journal of Cluster Science*, **2017**, 28, 3-10	3	132
38	Identification of Onosma visianii Roots Extract and Purified Shikonin Derivatives as Potential Acaricidal Agents against Tetranychus urticae. *Molecules*, **2017**, 22,	4.8	14
37	The Versatile 2-Substituted Imidazoline Nucleus as a Structural Motif of Ligands Directed to the Serotonin 5-HT Receptor. *ChemMedChem*, **2016**, 11, 2287-2298	3.7	6
36	Diverse biological effects of the essential oil from Iranian Trachyspermum ammi. *Arabian Journal of Chemistry*, **2016**, 9, 775-786	5.9	68
35	Mexican sunflower (Tithonia diversifolia, Asteraceae) volatile oil as a selective inhibitor of Staphylococcus aureus nicotinate mononucleotide adenylyltransferase (NadD). *Industrial Crops and Products*, **2016**, 85, 181-189	5.9	19
34	Development of C-Methyl Branched Purine Ribonucleoside Analogs: Chemistry, Biological Activity and Therapeutic Potential. *Current Medicinal Chemistry*, **2016**, 23, 3118-3135	4.3	4
33	Biological Activities of the Essential Oil from Erigeron floribundus. *Molecules*, **2016**, 21,	4.8	16
32	5'-C-Ethyl-tetrazolyl-N(6)-substituted adenosine and 2-chloro-adenosine derivatives as highly potent dual acting A1 adenosine receptor agonists and A3 adenosine receptor antagonists. *Journal of Medicinal Chemistry*, **2015**, 58, 2560-6	8.3	16
31	Novel Potent N-Methyl-d-aspartate (NMDA) Receptor Antagonists or □ Receptor Ligands Based on Properly Substituted 1,4-Dioxane Ring. *Journal of Medicinal Chemistry*, **2015**, 58, 8601-15	8.3	21
30	Synthesis of Triazole-Linked Analogues of c-di-GMP and Their Interactions with Diguanylate Cyclase. *Journal of Medicinal Chemistry*, **2015**, 58, 8269-84	8.3	25
29	Targeting Mycobacterium tuberculosis Biotin Protein Ligase (MtBPL) with Nucleoside-Based Bisubstrate Adenylation Inhibitors. *Journal of Medicinal Chemistry*, **2015**, 58, 7349-7369	8.3	32
28	From the covalent linkage of drugs to novel inhibitors of ribonucleotide reductase: synthesis and biological evaluation of valproic esters of 3'-C-methyladenosine. *Bioorganic and Medicinal Chemistry Letters*, **2014**, 24, 5304-9	2.9	1
27	Synthesis and biological evaluation of a novel series of heterobivalent muscarinic ligands based on xanomeline and 1-[3-(4-butylpiperidin-1-yl)propyl]-1,2,3,4-tetrahydroquinolin-2-one (77-LH-28-1). *Journal of Medicinal Chemistry*, **2014**, 57, 9065-77	8.3	18
26	Adenosine A1 receptor stimulation reduces D1 receptor-mediated GABAergic transmission from striato-nigral terminals and attenuates l-DOPA-induced dyskinesia in dopamine-denervated mice. *Experimental Neurology*, **2014**, 261, 733-43	5.7	27
25	The A1 adenosine receptor as a new player in microglia physiology. *Glia*, **2014**, 62, 122-32	9	71

24	Novel Inhibitors of Inosine Monophosphate Dehydrogenase in Patent Literature of the Last Decade. *Recent Patents on Anti-Cancer Drug Discovery*, **2013**, 8, 103-125	2.6	19
23	Novel inhibitors of inosine monophosphate dehydrogenase in patent literature of the last decade. *Recent Patents on Anti-Cancer Drug Discovery*, **2013**, 8, 103-25	2.6	8
22	5'-Chloro-5'-deoxy-(□)-ENBA, a potent and selective adenosine A(1) receptor agonist, alleviates neuropathic pain in mice through functional glial and microglial changes without affecting motor or cardiovascular functions. *Molecules*, **2012**, 17, 13712-26	4.8	44
21	Histone deacetylase inhibition modulates deoxyribonucleotide pools and enhances the antitumor effects of the ribonucleotide reductase inhibitor 3'-C-methyladenosine in leukaemia cells. *International Journal of Oncology*, **2011**, 38, 1427-36	4.4	4
20	Synthesis and biological activity of novel N6-substituted and 2,N6-disubstituted adenine ribo- and 3'-C-methyl-ribonucleosides as antitumor agents. *European Journal of Medicinal Chemistry*, **2011**, 46, 1499-504	6.8	9
19	Cofactor-type inhibitors of inosine monophosphate dehydrogenase via modular approach: targeting the pyrophosphate binding sub-domain. *Bioorganic and Medicinal Chemistry*, **2011**, 19, 1594-605	3.4	22
18	NMN/NaMN adenylyltransferase (NMNAT) and NAD kinase (NADK) inhibitors: chemistry and potential therapeutic applications. *Current Medicinal Chemistry*, **2011**, 18, 1973-92	4.3	27
17	Dual inhibitors of inosine monophosphate dehydrogenase and histone deacetylase based on a cinnamic hydroxamic acid core structure. *Bioorganic and Medicinal Chemistry*, **2010**, 18, 5950-64	3.4	34
16	Selective inhibition of nicotinamide adenine dinucleotide kinases by dinucleoside disulfide mimics of nicotinamide adenine dinucleotide analogues. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 5656-64	3.4	15
15	N6-Cycloalkyl- and N6-bicycloalkyl-C5'(C2')-modified adenosine derivatives as high-affinity and selective agonists at the human A1 adenosine receptor with antinociceptive effects in mice. *Journal of Medicinal Chemistry*, **2009**, 52, 2393-406	8.3	37
14	Synthesis and antitumor activity of a heterodinucleotide of BVDU and gemcitabine. *Nucleosides, Nucleotides and Nucleic Acids*, **2008**, 27, 460-8	1.4	2
13	Ribose-modified purine nucleosides as ribonucleotide reductase inhibitors. Synthesis, antitumor activity, and molecular modeling of N6-substituted 3'-C-methyladenosine derivatives. *Journal of Medicinal Chemistry*, **2008**, 51, 4260-9	8.3	16
12	5'-Carbamoyl derivatives of 2'-C-methyl-purine nucleosides as selective A1 adenosine receptor agonists: affinity, efficacy, and selectivity for A1 receptor from different species. *Bioorganic and Medicinal Chemistry*, **2008**, 16, 336-53	3.4	22
11	Synthesis and potency of novel uracil nucleotides and derivatives as P2Y2 and P2Y6 receptor agonists. *Bioorganic and Medicinal Chemistry*, **2008**, 16, 6319-32	3.4	69
10	Bis(sulfonamide) isosters of mycophenolic adenine dinucleotide analogues: inhibition of inosine monophosphate dehydrogenase. *Bioorganic and Medicinal Chemistry*, **2008**, 16, 7462-9	3.4	14
9	Inhibition of HIV-1 replication in macrophages by red blood cell-mediated delivery of a heterodinucleotide of lamivudine and tenofovir. *Nucleosides, Nucleotides and Nucleic Acids*, **2007**, 26, 953-7	1.4	5
8	Initial-rate kinetics of human NMN-adenylyltransferases: substrate and metal ion specificity, inhibition by products and multisubstrate analogues, and isozyme contributions to NAD+ biosynthesis. *Biochemistry*, **2007**, 46, 4912-22	3.2	63
7	Purine and Pyrimidine Nucleoside Analogs of 3'-C-Methyladenosine as Antitumor Agents. *Collection of Czechoslovak Chemical Communications*, **2006**, 71, 1088-1098		10

6	Synthesis and biological evaluation of NAD analogs as human pyridine nucleotide adenylyltransferase inhibitors. *Nucleosides, Nucleotides and Nucleic Acids*, **2005**, 24, 477-9	1.4	1
5	Synthesis, biological evaluation, and molecular modeling of ribose-modified adenosine analogues as adenosine receptor agonists. *Journal of Medicinal Chemistry*, **2005**, 48, 1550-62	8.3	34
4	Antitumor activity of C-methyl-beta-D-ribofuranosyladenine nucleoside ribonucleotide reductase inhibitors. *Journal of Medicinal Chemistry*, **2005**, 48, 4983-9	8.3	32
3	Synthesis, conformational analysis, and biological activity of new analogues of thiazole-4-carboxamide adenine dinucleotide (TAD) as IMP dehydrogenase inhibitors. *Bioorganic and Medicinal Chemistry*, **2005**, 13, 2045-53	3.4	18
2	Ribose-modified mizoribine analogues: synthesis and biological evaluation. *Nucleosides, Nucleotides and Nucleic Acids*, **2005**, 24, 2023-7	1.4	5
1	Stereoselective synthesis of nicotinamide beta-riboside and nucleoside analogs. *Bioorganic and Medicinal Chemistry Letters*, **2004**, 14, 4655-8	2.9	15