Roberta Galeazzi

List of Publications by Year in Descending Order

76 papers	1,257 citations	20 h-index	29 g-index
84 ext. papers	1,438 ext. citations	4 avg, IF	4.29 L-index

#	Paper	IF	Citations
76	Tuning curvature and phase behavior of monoolein bilayers by epigallocatechin-3-gallate: Structural insight and cytotoxicity. *Colloids and Surfaces B: Biointerfaces*, **2022**, 209, 112171	6	0
75	Influence of a lipophilic edaravone on physical state and activity of antioxidant liposomes: An experimental and in silico study. *Colloids and Surfaces B: Biointerfaces*, **2021**, 210, 112217	6	
74	Effect of Epigallocatechin-3-Gallate on EGFR Signaling and Migration in Non-Small Cell Lung Cancer. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	4
73	Prediction of drug-carrier interactions of PLA and PLGA drug-loaded nanoparticles by molecular dynamics simulations. *European Polymer Journal*, **2021**, 147, 110292	5.2	9
72	The Natural Alkaloid Berberine Can Reduce the Number of Tolerant Cells. *Journal of Natural Products*, **2021**, 84, 993-1001	4.9	3
71	Photons detected in the active nerve by photographic technique. *Scientific Reports*, **2021**, 11, 3022	4.9	4
70	Molecular dynamics simulations of quinine encapsulation into biodegradable nanoparticles: A possible new strategy against Sars-CoV-2. *European Polymer Journal*, **2021**, 158, 110685	5.2	1
69	Cholesterol-mediated oligomerization pathways of serotonin G-coupled receptor 5-HT2C. *International Journal of Biological Macromolecules*, **2020**, 160, 1090-1100	7.9	3
68	Monoalkylated Epigallocatechin-3-gallate (C18-EGCG) as Novel Lipophilic EGCG Derivative: Characterization and Antioxidant Evaluation. *Antioxidants*, **2020**, 9,	7.1	16
67	Conformational Insight on WT- and Mutated-EGFR Receptor Activation and Inhibition by Epigallocatechin-3-Gallate: Over a Rational Basis for the Design of Selective Non-Small-Cell Lung Anticancer Agents. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	14
66	Synthesis, Structural Insights and Activity of Different Classes of Biomolecules **2020**, 463-482		1
65	Acetylshikonin isolated from Lithospermum erythrorhizon roots inhibits dihydrofolate reductase and hampers autochthonous mammary carcinogenesis in 16HER2 transgenic mice. *Pharmacological Research*, **2020**, 161, 105123	10.2	4
64	A novel 3′tRNA-derived fragment acts as a tumor suppressor in breast cancer by targeting nucleolin. *FASEB Journal*, **2019**, 33, 13228-13240	0.9	25
63	Early impairment of epigenetic pattern in neurodegeneration: Additional mechanisms behind pyrethroid toxicity. *Experimental Gerontology*, **2019**, 124, 110629	4.5	18
62	Insights into the Molecular Mechanisms of Eg5 Inhibition by (+)-Morelloflavone. *Pharmaceuticals*, **2019**, 12,	5.2	4
61	Depth Distribution of Spin-Labeled Liponitroxides within Lipid Bilayers: A Combined EPR and Molecular Dynamics Approach. *ACS Omega*, **2019**, 4, 5029-5037	3.9	7
60	Synthesis, Characterization and Antioxidant Properties of a New Lipophilic Derivative of Edaravone. *Antioxidants*, **2019**, 8,	7.1	12

59	Natural Alkaloid Berberine Activity against MexXY-Mediated Aminoglycoside Resistance: and Studies. *Journal of Natural Products*, **2019**, 82, 1935-1944	4.9	19
58	Encapsulation of a Neutral Molecule into a Cationic Clay Material: Structural Insight and Cytotoxicity of Resveratrol/Layered Double Hydroxide/BSA Nanocomposites. *Nanomaterials*, **2019**, 10,	5.4	10
57	Node of Ranvier as an Array of Bio-Nanoantennas for Infrared Communication in Nerve Tissue. *Scientific Reports*, **2018**, 8, 539	4.9	19
56	Liposomal Formulations for an Efficient Encapsulation of Epigallocatechin-3-gallate: An in-Silico/Experimental Approach. *Molecules*, **2018**, 23,	4.8	20
55	Selective induction of apoptosis in MCF7 cancer-cell by targeted liposomes functionalised with mannose-6-phosphate. *Journal of Drug Targeting*, **2018**, 26, 242-251	5.4	24
54	A Poloxamer-407 modified liposome encapsulating epigallocatechin-3-gallate in the presence of magnesium: Characterization and protective effect against oxidative damage. *International Journal of Pharmaceutics*, **2018**, 552, 225-234	6.5	28
53	Phage-Based Anti-HER2 Vaccination Can Circumvent Immune Tolerance against Breast Cancer. *Cancer Immunology Research*, **2018**, 6, 1486-1498	12.5	13
52	Protein-protein interactions of human glyoxalase II: findings of a reliable docking protocol. *Organic and Biomolecular Chemistry*, **2018**, 16, 5167-5177	3.9	18
51	Salts Influence Cathechins and Flavonoids Encapsulation in Liposomes: A Molecular Dynamics Investigation. *Molecular Informatics*, **2017**, 36, 1700059	3.8	19
50	Inhibitors of multidrug efflux pumps of Pseudomonas aeruginosa from natural sources: An in silico high-throughput virtual screening and in vitro validation. *Medicinal Chemistry Research*, **2017**, 26, 414-430	2.2	24
49	In vivo and in silico studies to identify mechanisms associated with Nurr1 modulation following early life exposure to permethrin in rats. *Neuroscience*, **2017**, 340, 411-423	3.9	27
48	A possible S-glutathionylation of specific proteins by glyoxalase II: An in vitro and in silico study. *Cell Biochemistry and Function*, **2016**, 34, 620-627	4.2	21
47	Irreversible inhibition of 16HER2 is necessary to suppress 16HER2-positive breast carcinomas resistant to Lapatinib. *Cancer Letters*, **2016**, 381, 76-84	9.9	18
46	Insights into the influence of 5-HT2c aminoacidic variants with the inhibitory action of serotonin inverse agonists and antagonists. *Journal of Molecular Modeling*, **2014**, 20, 2120	2	14
45	Bovine acid glycoprotein, a thermostable version of its human counterpart: insights from Fourier transform infrared spectroscopy and in silico modelling. *Biochimie*, **2014**, 102, 19-28	4.6	8
44	Fibrillation properties of human acid glycoprotein. *Biochimie*, **2013**, 95, 158-66	4.6	12
43	Insight into the binding interactions of CYP450 aromatase inhibitors with their target enzyme: a combined molecular docking and molecular dynamics study. *Journal of Molecular Modeling*, **2012**, 18, 1153-66	2	16
42	Stereoselective alkylation of chiral pyrrolidin-2-ones leading to novel conformationally restricted analogues of 3-methylaspartic acid: a computational investigation. *Monatshefte F Chemie*, **2012**, 143, 1397-1403	1.4	3

41	Anandamide and its congeners inhibit human plasma butyrylcholinesterase. Possible new roles for these endocannabinoids?. *Biochimie*, **2011**, 93, 1584-91	4.6	12
40	Quaternary centres as a tool for modulating foldamer conformation. *Chemistry - A European Journal* , **2011**, 17, 12564-8	4.8	13
39	A novel conformationally restricted analogue of 3-methylaspartic acid via stereoselective methylation of chiral pyrrolidin-2-ones. *Tetrahedron*, **2010**, 66, 400-405	2.4	15
38	Analogues of both Leu- and Met-enkephalin containing a constrained dipeptide isostere prepared from a Baylis-Hillman adduct. *Amino Acids*, **2010**, 38, 1057-65	3.5	12
37	Molecular Dynamics as a Tool in Rational Drug Design: Current Status and Some Major Applications. *Current Computer-Aided Drug Design*, **2009**, 5, 225-240	1.4	33
36	Catalytic Mechanism of Diaminopimelate Epimerase: A QM/MM Investigation. *Journal of Chemical Theory and Computation*, **2009**, 5, 1915-30	6.4	11
35	A New Conformationally Restricted Mimetic of Dipeptide EG Synthesis of an Analogue of FEG. *European Journal of Organic Chemistry*, **2007**, 2007, 4402-4407	3.2	11
34	Synthesis and structural characterisation as 12-helix of the hexamer of a beta-amino acid tethered to a pyrrolidin-2-one ring. *Chemical Communications*, **2006**, 4915-7	5.8	15
33	A short approach to chaetomellic anhydride A from 2,2-dichloropalmitic acid: elucidation of the mechanism governing the functional rearrangement of the chlorinated pyrrolidin-2-one intermediate. *Tetrahedron*, **2006**, 62, 746-757	2.4	32
32	Stereoselective iodocyclisation of 3-acylamino-2-methylene alkanoates: a computational insight. *Tetrahedron*, **2006**, 62, 10450-10455	2.4	6
31	Straightforward Synthesis of (R,S)-Methyleneaspartic Acid, an Inhibitor of Glutamate-Aspartate Transaminase. *Monatshefte F Chemie*, **2006**, 137, 357-363	1.4	6
30	Chiral 3-hydroxypyrrolidin-2-ones. Part 2: Stereodivergent synthesis of conformationally restricted analogues of homoserine. *Tetrahedron: Asymmetry*, **2005**, 16, 1779-1787		12
29	Conformationally restricted analogues of both (S)-homoserine and (S)-aspartic acid from chiral 3-acylamino pyrrolidin-2-ones. *Tetrahedron*, **2005**, 61, 5465-5473	2.4	31
28	Methylene-trichloroacetylamino Alkanoates from Trichloroacetimidates of the Baylis-Hillman Adducts. *Synthesis*, **2004**, 2004, 2560-2566	2.9	4
27	Homochiral oxazolidin-2-ones and imidazolidin-2-ones by tandem nucleophilic addition onjugate addition. *Tetrahedron: Asymmetry*, **2004**, 15, 1937-1943		6
26	Chiral 3-hydroxypyrrolidin-2-ones from a Baylis illman adduct: convergent, stereoselective synthesis of a glycosidase inhibitor. *Tetrahedron: Asymmetry*, **2004**, 15, 3249-3256		18
25	Stereoselective iodocyclization of 3-acylamino-2-methylene alkanoates: synthesis of analogues of N-benzoyl-syn-phenylisoserine. *Organic Letters*, **2004**, 6, 2571-4	6.2	48
24	Transferrin neutralization of amyloid beta 25-35 cytotoxicity. *Clinica Chimica Acta*, **2004**, 350, 129-36	6.2	22

23	A Stereoselective Approach to Both 3,4-trans-Disubstituted Pyrrolidin-2-ones and Pyrrolidines. A Convenient Synthesis of (3R,4R)-4-Benzyl-3-pyrrolidinecarboxylic Acid. *Heterocycles*, **2003**, 60, 2485	0.8	9
22	Stereoselective Synthesis of trans-4,5-Disubstituted Oxazolidin-2-ones by Intramolecular Conjugate Addition of N-p-Toluenesulfonyl Carbamates. *Heterocycles*, **2003**, 60, 1173	0.8	7
21	Stereoselective reductive amination of chiral trans-3-acetyl-4-alkylpyrrolidin-2-ones. *Tetrahedron: Asymmetry*, **2003**, 14, 3697-3703		9
20	Synthesis of a conformationally restricted analog of pregabalin by stereoselective alkylation of a chiral pyrrolidin-2-one. *Tetrahedron: Asymmetry*, **2003**, 14, 3353-3358		18
19	Synthesis of unsaturated □-amino acid derivatives from carbamates of the Baylis□Hillman products. *Tetrahedron Letters*, **2002**, 43, 2199-2202	2	44
18	Albumin protects human red blood cells against Abeta25-35-induced lysis more effectively than ApoE. *NeuroReport*, **2002**, 13, 2149-54	1.7	16
17	In vitro apolipoprotein E protects human red blood cells against lysis induced by amyloid-beta (A□) fragment 25-35. *Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis*, **2002**, 9, 103-107	2.7	6
16	Synthesis of chiral oxazolidin-2-ones from N-alkoxycarbonyl amino epoxides: a computational study. *Journal of the Chemical Society, Perkin Transactions 1*, **2002**, 1650-1654		4
15	Steric constraints against [3,3]-sigmatropic rearrangement of allylic azides. A convenient approach to □-1-4-aminopent-2-enoglyceropyranosides. *Tetrahedron: Asymmetry*, **2001**, 12, 2731-2741		18
14	Steady-state and time resolved fluorescence of albumins interacting with N-oleylethanolamine, a component of the endogenous N-acylethanolamines. *Proteins: Structure, Function and Bioinformatics*, **2000**, 40, 39-48	4.2	89
13	Conjugate intra- and intermolecular addition mediated by methoxide anion on polymeric support. *Tetrahedron Letters*, **2000**, 41, 8577-8580	2	5
12	1,3-Oxazin-2-ones vs tetrahydrofurans by iodocyclisation of 2-alkoxycarbonylamino-3-alken-1-ols. *Tetrahedron: Asymmetry*, **2000**, 11, 3769-3777		14
11	From pyrrolidin-2-ones to 3-aza-2-oxobicyclo[3.2.0]heptanes. Synthesis of both enantiomers of cis-2-aminomethylcyclobutane carboxylic acid, a conformationally restricted analogue of GABA. *Tetrahedron*, **1999**, 55, 261-270	2.4	29
10	Thermodynamic vs. kinetic control in the stereoselective intramolecular conjugate addition of amide enolates leading to chiral trans-3,4-disubstituted pyrrolidin-2-ones. *Tetrahedron*, **1999**, 55, 4029-4042	2.4	15
9	Highly regio- and stereoselective iodocyclization of chiral 3-alkoxycarbonyl-4-propenyl-2,2-dimethyl-1,3-oxazolidines: a computational investigation. *Tetrahedron: Asymmetry*, **1999**, 10, 1135-1143		17
8	Stereoselective reduction of chiral trans-3-acetyl-4-alkylpyrrolidin-2-ones. *Tetrahedron: Asymmetry*, **1999**, 10, 587-605		10
7	New Chiral 3-Naphthylaminomethylpyrroli- dines: An Unexpected Epimerisation Reaction. *Heterocycles*, **1999**, 51, 2463	0.8	5
6	From 3-aza-2-oxobicyclo[3.1.0]hexane to enantiopure disubstituted cyclopropane: a convenient approach to cis-2,3-methano-GABA. *Tetrahedron: Asymmetry*, **1997**, 8, 133-137		36

5	Diastereomerically pure pyrrolidin-2-ones by intramolecular Michael reaction. Synthesis of both (S)- and (R)-3-pyrrolidineacetic acid. *Tetrahedron: Asymmetry*, **1996**, 7, 79-88		36
4	A convenient approach to diastereomerically pure 1,3,4-trisubstituted pyrrolidin-2-ones by intramolecular cyclisation of N-(2-alken-1-yl)amides mediated by Mn(III). An entry to both (R)- and (S)-3-pyrrolidineacetic acid. *Tetrahedron*, **1996**, 52, 1069-1084	2.4	46
3	Cyclisation of (R)- and (S)-N-allyl-N-(1-phenylethyl) methoxycarbonylacetamide mediated by Mn(III): Preparation and structural assignment of 3-aza-2-oxobicyclo[3.1.0]hexanes. *Tetrahedron: Asymmetry*, **1996**, 7, 3573-3584		22
2	Cyclization of a Chiral N-Crotyl Methoxycarbonylacetamide Mediated by Mn(III). An Easy Entry to (R)-3-Pyrrolidineacetic Acid. *Synlett*, **1995**, 1995, 1159-1160	2.2	21
1	Synthesis and Structural Assignment of Diastereomerically Pure N-Substituted 4-Alkylpyrrolidin-2-ones, Intermediates for the Preparation of 3-Alkylpyrrolidines in Both Enantiomerically Pure Forms. *Heterocycles*, **1994**, 38, 2663	0.8	33