Roberta Galeazzi

List of Publications by Year
in descending order

79 papers	1,636 citations	236925 25 h-index	414414 32 g-index
84 all docs	84 docs citations	84 times ranked	1729 citing authors

#	Article	IF	Citations
1	Tuning curvature and phase behavior of monoolein bilayers by epigallocatechin-3-gallate: Structural insight and cytotoxicity. Colloids and Surfaces B: Biointerfaces, 2022, 209, 112171.	5.0	10
2	Influence of a lipophilic edaravone on physical state and activity of antioxidant liposomes: An experimental and in silico study. Colloids and Surfaces B: Biointerfaces, 2022, 210, 112217.	5.0	1
3	Salt effects on mixed composition membranes containing an antioxidant lipophilic edaravone derivative: a computational-experimental study. Organic and Biomolecular Chemistry, 2022, 20, 5784-5795.	2.8	4
4	Photons detected in the active nerve by photographic technique. Scientific Reports, 2021, 11, 3022.	3.3	7
5	Prediction of drug-carrier interactions of PLA and PLGA drug-loaded nanoparticles by molecular dynamics simulations. European Polymer Journal, 2021, 147, 110292.	5.4	24
6	The Natural Alkaloid Berberine Can Reduce the Number of Pseudomonas aeruginosa Tolerant Cells. Journal of Natural Products, 2021, 84, 993-1001.	3.0	10
7	Molecular dynamics simulations of quinine encapsulation into biodegradable nanoparticles: A possible new strategy against Sars-CoV-2. European Polymer Journal, 2021, 158, 110685.	5.4	15
8	Effect of Epigallocatechin-3-Gallate on EGFR Signaling and Migration in Non-Small Cell Lung Cancer. International Journal of Molecular Sciences, 2021, 22, 11833.	4.1	27
9	Berberine Derivatives as Pseudomonas aeruginosa MexXY-OprM Inhibitors: Activity and In Silico Insights. Molecules, 2021, 26, 6644.	3.8	11
10	Encapsulation of a Neutral Molecule into a Cationic Clay Material: Structural Insight and Cytotoxicity of Resveratrol/Layered Double Hydroxide/BSA Nanocomposites. Nanomaterials, 2020, 10, 33.	4.1	16
11	Acetylshikonin isolated from Lithospermum erythrorhizon roots inhibits dihydrofolate reductase and hampers autochthonous mammary carcinogenesis in Î”16HER2 transgenic mice. Pharmacological Research, 2020, 161, 105123.	7.1	11
12	Cholesterol-mediated oligomerization pathways of serotonin G-coupled receptor 5-HT2C. International Journal of Biological Macromolecules, 2020, 160, 1090-1100.	7.5	7
13	Monoalkylated Epigallocatechin-3-gallate (C18-EGCG) as Novel Lipophilic EGCG Derivative: Characterization and Antioxidant Evaluation. Antioxidants, 2020, 9, 208.	5.1	29
14	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, 1721.	4.1	31
15	Synthesis, Structural Insights and Activity of Different Classes of Biomolecules. , 2020, , 463-482.		1
16	Synthesis, Characterization and Antioxidant Properties of a New Lipophilic Derivative of Edaravone. Antioxidants, 2019, 8, 258.	5.1	21
17	Natural Alkaloid Berberine Activity against Pseudomonas aeruginosa MexXY-Mediated Aminoglycoside Resistance: In Silico and in Vitro Studies. Journal of Natural Products, 2019, 82, 1935-1944.	3.0	38
18	A novel 3'â€tRNA^{Glu}â€derived fragment acts as a tumor suppressor in breast cancer by targeting nucleolin. FASEB Journal, 2019, 33, 13228-13240.	0.5	54

#	Article	IF	Citations
19	Early impairment of epigenetic pattern in neurodegeneration: Additional mechanisms behind pyrethroid toxicity. Experimental Gerontology, 2019, 124, 110629.	2.8	27
20	Insights into the Molecular Mechanisms of Eg5 Inhibition by (+)-Morelloflavone. Pharmaceuticals, 2019, 12, 58.	3.8	12
21	Depth Distribution of Spin-Labeled Liponitroxides within Lipid Bilayers: A Combined EPR and Molecular Dynamics Approach. ACS Omega, 2019, 4, 5029-5037.	3.5	16
22	Node of Ranvier as an Array of Bio-Nanoantennas for Infrared Communication in Nerve Tissue. Scientific Reports, 2018, 8, 539.	3.3	33
23	Selective induction of apoptosis in MCF7 cancer-cell by targeted liposomes functionalised with mannose-6-phosphate. Journal of Drug Targeting, 2018, 26, 242-251.	4.4	30
24	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.	5.2	37
25	Phage-Based Anti-HER2 Vaccination Can Circumvent Immune Tolerance against Breast Cancer. Cancer Immunology Research, 2018, 6, 1486-1498.	3.4	25
26	Proteinâ€“protein interactions of human glyoxalase II: findings of a reliable docking protocol. Organic and Biomolecular Chemistry, 2018, 16, 5167-5177.	2.8	26
27	Liposomal Formulations for an Efficient Encapsulation of Epigallocatechin-3-Gallate: An In-Silico/Experimental Approach. Molecules, 2018, 23, 441.	3.8	23
28	Salts Influence Cathechins and Flavonoids Encapsulation in Liposomes: A Molecular Dynamics Investigation. Molecular Informatics, 2017, 36, 1700059.	2.5	22
29	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.	2.4	31
30	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.	2.3	30
31	A possible Sâ€glutathionylation of specific proteins by glyoxalase II: An in vitro and in silico study. Cell Biochemistry and Function, 2016, 34, 620-627.	2.9	26
32	Irreversible inhibition of Î”16HER2 is necessary to suppress Î”16HER2-positive breast carcinomas resistant to Lapatinib. Cancer Letters, 2016, 381, 76-84.	7.2	23
33	Bovine Î±1-acid glycoprotein, a thermostable version of its human counterpart: Insights from Fourier transform infrared spectroscopy and in silico modelling. Biochimie, 2014, 102, 19-28.	2.6	8
34	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.	1.8	15
35	Fibrillation properties of human Î±1-acid glycoprotein. Biochimie, 2013, 95, 158-166.	2.6	14
36	Stereoselective alkylation of chiral pyrrolidin-2-ones leading to novel conformationally restricted analogues of 3-methylaspartic acid: a computational investigation. Monatshefte FÃ¼r Chemie, 2012, 143, 1397-1403.	1.8	3

#	Article	IF	Citations
37	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, 1153-1166.	1.8	16
38	Anandamide and its congeners inhibit human plasma butyrylcholinesterase. Possible new roles for these endocannabinoids?. Biochimie, 2011, 93, 1584-1591.	2.6	13
39	Quaternary Centres as a Tool for Modulating Foldamer Conformation. Chemistry - A European Journal, 2011, 17, 12564-12568.	3.3	14
40	A novel conformationally restricted analogue of 3-methylaspartic acid via stereoselective methylation of chiral pyrrolidin-2-ones. Tetrahedron, 2010, 66, 400-405.	1.9	16
41	Analogues of both Leu- and Met-enkephalin containing a constrained dipeptide isostere prepared from a Baylis-Hillman adduct. Amino Acids, 2010, 38, 1057-1065.	2.7	15
42	Molecular Dynamics as a Tool in Rational Drug Design: Current Status and Some Major Applications. Current Computer-Aided Drug Design, 2009, 5, 225-240.	1.2	38
43	Catalytic Mechanism of Diaminopimelate Epimerase: A QM/MM Investigation. Journal of Chemical Theory and Computation, 2009, 5, 1915-1930.	5.3	17
44	A New Conformationally Restricted Mimetic of Dipeptide EG â€“ Synthesis of an Analogue of FEG. European Journal of Organic Chemistry, 2007, 2007, 4402-4407.	2.4	11
45	Synthesis and structural characterisation as 12-helix of the hexamer of a Î²-amino acid tethered to a pyrrolidin-2-one ring. Chemical Communications, 2006, , 4915-4917.	4.1	16
46	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.	1.9	33
47	Stereoselective iodocyclisation of 3-acylamino-2-methylene alkanoates: a computational insight. Tetrahedron, 2006, 62, 10450-10455.	1.9	6
48	Straightforward Synthesis of (R,S)-Î²-Methyleneaspartic Acid, an Inhibitor of Glutamate-Aspartate Transaminase. Monatshefte FÃ¼r Chemie, 2006, 137, 357-363.	1.8	6
49	Chiral 3-hydroxypyrrolidin-2-ones. Part 2: Stereodivergent synthesis of conformationally restricted analogues of Î²-homoserine. Tetrahedron: Asymmetry, 2005, 16, 1779-1787.	1.8	12
50	Conformationally restricted analogues of both (S)-Î²-homoserine and (S)-aspartic acid from chiral 3-acylamino pyrrolidin-2-ones. Tetrahedron, 2005, 61, 5465-5473.	1.9	31
51	Homochiral oxazolidin-2-ones and imidazolidin-2-ones by tandem nucleophilic additionâ€“conjugate addition. Tetrahedron: Asymmetry, 2004, 15, 1937-1943.	1.8	6
52	Chiral 3-hydroxypyrrolidin-2-ones from a Baylisâ€“Hillman adduct: convergent, stereoselective synthesis of a glycosidase inhibitor. Tetrahedron: Asymmetry, 2004, 15, 3249-3256.	1.8	18
53	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.. ChemInform, 2004, 35, no.	0.0	0
54	Stereoselective Iodocyclization of 3-Acylamino-2-methylene Alkanoates:â€‰ Synthesis of Analogues ofN-Benzoyl-syn-phenylisoserine. Organic Letters, 2004, 6, 2571-2574.	4.6	53

#	Article	IF	Citations
55	Transferrin neutralization of amyloid Î² 25â€“35 cytotoxicity. Clinica Chimica Acta, 2004, 350, 129-136.	1.1	26
56	Stereoselective reductive amination of chiral trans-3-acetyl-4-alkylpyrrolidin-2-ones. Tetrahedron: Asymmetry, 2003, 14, 3697-3703.	1.8	9
57	Stereoselective Synthesis of trans-4,5-Disubstituted Oxazolidin-2-ones by Intramolecular Conjugate Addition of N-p-Toluenesulfonyl Carbamates.. ChemInform, 2003, 34, no.	0.0	0
58	Synthesis of a conformationally restricted analog of pregabalin by stereoselective alkylation of a chiral pyrrolidin-2-one. Tetrahedron: Asymmetry, 2003, 14, 3353-3358.	1.8	20
59	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.	0.7	10
60	Stereoselective Synthesis of trans-4,5-Disubstituted Oxazolidin-2-ones by Intramolecular Conjugate Addition of N-p-Toluenesulfonyl Carbamates. Heterocycles, 2003, 60, 1173.	0.7	9
61	Albumin protects human red blood cells against A??25???35-induced lysis more effectively than ApoE. NeuroReport, 2002, 13, 2149-2154.	1.2	19
62	In vitro apolipoprotein E protects human red blood cells against lysis induced by amyloid-beta (AÎ²) 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.	3.0	6
63	Synthesis of chiral oxazolidin-2-ones from N-alkoxycarbonyl amino epoxides: a computational studyElectronic supplementary information (ESI) available: structures of localized transition states. See http://www.rsc.org/suppdata/p1/b2/b203702e/. Journal of the Chemical Society, Perkin Transactions 1, 2002, , 1650-1654.	1.3	4
64	Synthesis of unsaturated Î²-amino acid derivatives from carbamates of the Baylisâ€“Hillman products. Tetrahedron Letters, 2002, 43, 2199-2202.	1.4	48
65	Steric constraints against [3,3]-sigmatropic rearrangement of allylic azides. A convenient approach to Î²-l-4-aminopent-2-enoglyceropyranosides. Tetrahedron: Asymmetry, 2001, 12, 2731-2741.	1.8	20
66	Steady-state and time resolved fluorescence of albumins interacting with N-oleylethanolamine, a component of the endogenous N-acylethanolamines. , 2000, 40, 39-48.		93
67	Conjugate intra- and intermolecular addition mediated by methoxide anion on polymeric support. Tetrahedron Letters, 2000, 41, 8577-8580.	1.4	6
68	1,3-Oxazin-2-ones vs tetrahydrofurans by iodocyclisation of 2-alkoxycarbonylamino-3-alken-1-ols. Tetrahedron: Asymmetry, 2000, 11, 3769-3777.	1.8	16
69	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.	1.9	29
70	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.	1.9	16
71	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.	1.8	18
72	Stereoselective reduction of chiral trans-3-acetyl-4-alkylpyrrolidin-2-ones. Tetrahedron: Asymmetry, 1999, 10, 587-605.	1.8	23

#	Article	IF	Citations
73	New Chiral 3-Naphthylaminomethylpyrroli- dines: An Unexpected Epimerisation Reaction. Heterocycles, 1999, 51, 2463.	0.7	5
74	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.	1.8	37
75	Diastereomerically pure pyrrolidin-2-ones by intramolecular Michael reaction. Synthesis of both (S)- and (R)-3-pyrrolidineacetic acid. Tetrahedron: Asymmetry, 1996, 7, 79-88.	1.8	38
76	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.	1.9	54
77	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.	1.8	27
78	Cyclization of a Chiral N-Crotyl Methoxycarbonylacetamide Mediated by Mn(III). An Easy Entry to (R)-3-Pyrrolidineacetic Acid. Synlett, 1995, 1995, 1159-1160.	1.8	22
79	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.	0.7	38