

# Laura Betti

## List of Publications by Citations

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95  
papers

1,769  
citations

23  
h-index

37  
g-index

107  
ext. papers

2,018  
ext. citations

4.1  
avg, IF

3.95  
L-index

#	Paper	IF	Citations
95	Discovery of N-hydroxyindole-based inhibitors of human lactate dehydrogenase isoform A (LDH-A) as starvation agents against cancer cells. <i>Journal of Medicinal Chemistry</i> , <b>2011</b> , 54, 1599-612	8.3	152
94	Tryptophan Biochemistry: Structural, Nutritional, Metabolic, and Medical Aspects in Humans. <i>Journal of Amino Acids</i> , <b>2016</b> , 2016, 8952520		134
93	Synthesis, biological evaluation, and pharmacophore generation of new pyridazinone derivatives with affinity toward alpha(1)- and alpha(2)-adrenoceptors. <i>Journal of Medicinal Chemistry</i> , <b>2001</b> , 44, 2118-22	8.3	108
92	A relationship between oxytocin and anxiety of romantic attachment. <i>Clinical Practice and Epidemiology in Mental Health</i> , <b>2006</b> , 2, 28	3.2	79
91	The trace element content of top-soil and wild edible mushroom samples collected in Tuscany, Italy. <i>Environmental Monitoring and Assessment</i> , <b>2012</b> , 184, 7579-95	3.1	55
90	N-Hydroxyindole-based inhibitors of lactate dehydrogenase against cancer cell proliferation. <i>European Journal of Medicinal Chemistry</i> , <b>2011</b> , 46, 5398-407	6.8	54
89	Platelet serotonin transporter in patients with diarrhea-predominant irritable bowel syndrome both before and after treatment with alosetron. <i>American Journal of Gastroenterology</i> , <b>2003</b> , 98, 2705-11	9.7	49
88	New 1,2,3-triazolo[1,5-a]quinoxalines: synthesis and binding to benzodiazepine and adenosine receptors. II. <i>European Journal of Medicinal Chemistry</i> , <b>2002</b> , 37, 565-71	6.8	42
87	1,2,3-Triazolo[1,5-a]quinoxalines: synthesis and binding to benzodiazepine and adenosine receptors. <i>European Journal of Medicinal Chemistry</i> , <b>1998</b> , 33, 113-122	6.8	39
86	Alpha(1)-adrenoceptor antagonists. 4. Pharmacophore-based design, synthesis, and biological evaluation of new imidazo-, benzimidazo-, and indoloarylpiperazine derivatives. <i>Journal of Medicinal Chemistry</i> , <b>2002</b> , 45, 3603-11	8.3	39
85	New insight into the central benzodiazepine receptor-ligand interactions: design, synthesis, biological evaluation, and molecular modeling of 3-substituted 6-phenyl-4H-imidazo[1,5-a][1,4]benzodiazepines and related compounds. <i>Journal of Medicinal Chemistry</i> , <b>2011</b> , 54, 5104-14	8.3	37
84	Synthesis of new piperazine-pyridazinone derivatives and their binding affinity toward alpha1-, alpha2-adrenergic and 5-HT1A serotonergic receptors. <i>Bioorganic and Medicinal Chemistry</i> , <b>2006</b> , 14, 2828-36	3.4	37
83	Synthesis and biological activity of new 1,4-benzodioxan-arylpiperazine derivatives. Further validation of a pharmacophore model for alpha(1)-adrenoceptor antagonists. <i>Bioorganic and Medicinal Chemistry</i> , <b>2002</b> , 10, 361-9	3.4	35
82	Alteration of serotonin transporter density and activity in fibromyalgia. <i>Arthritis Research and Therapy</i> , <b>2006</b> , 8, R99	5.7	34
81	Ethyl 8-fluoro-6-(3-nitrophenyl)-4H-imidazo[1,5-a][1,4]benzodiazepine-3-carboxylate as novel, highly potent, and safe antianxiety agent. <i>Journal of Medicinal Chemistry</i> , <b>2008</b> , 51, 4730-43	8.3	32
80	alpha1-Adrenoceptor antagonists. 5. Pyridazinone-arylpiperazines. Probing the influence on affinity and selectivity of both ortho-alkoxy groups at the arylpiperazine moiety and cyclic substituents at the pyridazinone nucleus. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2003</b> , 13, 171-3	2.9	32
79	Alpha1-adrenoceptor antagonists. 6. Structural optimization of pyridazinone-arylpiperazines. Study of the influence on affinity and selectivity of cyclic substituents at the pyridazinone ring and alkoxy groups at the arylpiperazine moiety. <i>Journal of Medicinal Chemistry</i> , <b>2003</b> , 46, 3555-8	8.3	31

78	A novel class of highly potent and selective A1 adenosine antagonists: structure-affinity profile of a series of 1,8-naphthyridine derivatives. <i>Journal of Medicinal Chemistry</i> , <b>2000</b> , 43, 2814-23	8.3	29
77	ATP, calcium and magnesium levels in platelets of patients with primary fibromyalgia. <i>Clinical Biochemistry</i> , <b>2008</b> , 41, 1084-90	3.5	28
76	Serotonin receptor of type 6 (5-HT <sub>6</sub> ) in human prefrontal cortex and hippocampus post-mortem: an immunohistochemical and immunofluorescence study. <i>Neurochemistry International</i> , <b>2013</b> , 62, 182-8	4.4	27
75	Study on affinity profile toward native human and bovine adenosine receptors of a series of 1,8-naphthyridine derivatives. <i>Journal of Medicinal Chemistry</i> , <b>2004</b> , 47, 3019-31	8.3	27
74	Novel 3-aryl-7-(amino-substituted)-1,2,3-triazolo[4,5-d]pyrimidines with high affinity toward A1 adenosine receptors. <i>Journal of Medicinal Chemistry</i> , <b>1998</b> , 41, 668-73	8.3	27
73	Synthesis of sulfonamide-containing N-hydroxyindole-2-carboxylates as inhibitors of human lactate dehydrogenase-isoform 5. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2011</b> , 21, 7331-6	2.9	24
72	A link between oxytocin and serotonin in humans: supporting evidence from peripheral markers. <i>European Neuropsychopharmacology</i> , <b>2012</b> , 22, 578-83	1.2	23
71	Distribution of serotonin receptor of type 6 (5-HT <sub>6</sub> ) in human brain post-mortem. A pharmacology, autoradiography and immunohistochemistry study. <i>Neurochemical Research</i> , <b>2012</b> , 37, 920-7	4.6	22
70	Triazole-substituted N-hydroxyindol-2-carboxylates as inhibitors of isoform 5 of human lactate dehydrogenase (hLDH5). <i>MedChemComm</i> , <b>2011</b> , 2, 638	5	22
69	alpha(1)-Adrenoceptor antagonists. Rational design, synthesis and biological evaluation of new trazodone-like compounds. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2002</b> , 12, 437-40	2.9	21
68	Peripheral-type benzodiazepine receptors in human mononuclear cells of patients affected by osteoarthritis, rheumatoid arthritis or psoriatic arthritis. <i>Clinical Biochemistry</i> , <b>2003</b> , 36, 57-60	3.5	20
67	Altered amino acid homeostasis in subjects affected by fibromyalgia. <i>Clinical Biochemistry</i> , <b>2009</b> , 42, 1064-70	3.7	19
66	Parkinson's disease and alpha-synucleinopathies: from arising pathways to therapeutic challenge. <i>Central Nervous System Agents in Medicinal Chemistry</i> , <b>2015</b> , 15, 109-16	1.8	19
65	New 4-(4-methyl-phenyl)phthalazin-1(2H)-one derivatives and their effects on alpha1-receptors. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2006</b> , 16, 2575-9	2.9	18
64	Design, synthesis, and alpha(1)-adrenoceptor binding properties of new arylpiperazine derivatives bearing a flavone nucleus as the terminal heterocyclic molecular portion. <i>Bioorganic and Medicinal Chemistry</i> , <b>2004</b> , 12, 1527-35	3.4	18
63	Distribution of [3H]GR65630 binding in human brain postmortem. <i>Neurochemical Research</i> , <b>2001</b> , 26, 187-90	4.6	18
62	Caesium in samples of wild-grown <i>Boletus edulis</i> Bull. from Lucca province (Tuscany, Italy) and other Italian and European geographical areas. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , <b>2017</b> , 34, 49-55	3.2	16
61	Rosiglitazone reverses salbutamol-induced (β <sub>2</sub> )-adrenoceptor tolerance in airway smooth muscle. <i>British Journal of Pharmacology</i> , <b>2011</b> , 162, 378-91	8.6	15

60	Alterations of the dopamine transporter in resting lymphocytes of patients with different psychotic disorders. <i>Psychiatry Research</i> , <b>2010</b> , 175, 54-7	9.9	15
59	Human serotonin transporter expression during megakaryocytic differentiation of MEG-01 cells. <i>Neurochemical Research</i> , <b>2010</b> , 35, 628-35	4.6	15
58	A multidisciplinary approach to study the effects of balneotherapy and mud-bath therapy treatments on fibromyalgia. <i>Clinical and Experimental Rheumatology</i> , <b>2013</b> , 31, S111-20	2.2	15
57	Structure-activity relationships in a series of 8-substituted xanthines as A1-adenosine receptor antagonists. <i>Bioorganic and Medicinal Chemistry</i> , <b>2001</b> , 9, 575-83	3.4	14
56	Potential Diagnostic Value of Red Blood Cells $\beta$ -Synuclein Heteroaggregates in Alzheimer's Disease. <i>Molecular Neurobiology</i> , <b>2019</b> , 56, 6451-6459	6.2	13
55	Binding of 3H-WIN-35,428 and 125I-RTI-121 to human platelet membranes. <i>Neurochemical Research</i> , <b>2006</b> , 31, 361-5	4.6	13
54	Peripheral Benzodiazepine Binding Sites in Platelets of Patients Affected by Mitochondrial Diseases and Large Scale Mitochondrial DNA Rearrangements. <i>Molecular Medicine</i> , <b>2002</b> , 8, 841-846	6.2	13
53	The expression of platelet serotonin transporter (SERT) in human obesity. <i>BMC Neuroscience</i> , <b>2013</b> , 14, 128	3.2	12
52	Serotonin transporter (SERT) and translocator protein (TSPO) expression in the obese ob/ob mouse. <i>BMC Neuroscience</i> , <b>2011</b> , 12, 18	3.2	12
51	Presence and characterization of the dopamine transporter in human resting lymphocytes. <i>Neurochemical Research</i> , <b>2008</b> , 33, 1011-6	4.6	12
50	Synthesis of new pyridazinone derivatives and their affinity towards alpha1-alpha2-adrenoceptors. <i>Bioorganic and Medicinal Chemistry</i> , <b>1999</b> , 7, 933-41	3.4	11
49	Design, Synthesis, and Biological Evaluation of Imidazo[1,5-a]quinoline as Highly Potent Ligands of Central Benzodiazepine Receptors. <i>Journal of Medicinal Chemistry</i> , <b>2016</b> , 59, 3353-72	8.3	10
48	[(3)H]-YM-09151-2 binding sites in human brain postmortem. <i>Neurochemistry International</i> , <b>2009</b> , 55, 643-7	4.4	10
47	Adenosine receptors: synthesis, structure-activity relationships and biological activity of new 6-amino purine derivatives. <i>European Journal of Medicinal Chemistry</i> , <b>1998</b> , 33, 501-508	6.8	10
46	Studies of peripheral benzodiazepine receptors in mussels: comparison between a polluted and a nonpolluted site. <i>Ecotoxicology and Environmental Safety</i> , <b>2003</b> , 54, 36-42	7	10
45	Characterization of sulfonylurea receptors in isolated human pancreatic islets. <i>Journal of Cellular Biochemistry</i> , <b>1998</b> , 71, 182-8	4.7	9
44	1,8-Naphthyridin-4-one derivatives as new ligands of A2A adenosine receptors. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2005</b> , 15, 4604-10	2.9	9
43	New amino derivatives of 1,2,3-triazolo[4,5-d]pyrimidines and their affinity towards A1 and A2A adenosine receptors. <i>European Journal of Medicinal Chemistry</i> , <b>1999</b> , 34, 867-875	6.8	9

42	Microbiota, Immune System and Autism Spectrum Disorders: An Integrative Model towards Novel Treatment Options. <i>Current Medicinal Chemistry</i> , <b>2020</b> , 27, 5119-5136	4.3	9
41	Male axillary extracts modify the affinity of the platelet serotonin transporter and impulsiveness in women. <i>Physiology and Behavior</i> , <b>2010</b> , 100, 364-8	3.5	8
40	Modified RP-LC of Phenylthiocarbamyl Amino Acid Adducts in Plasma Acetonitrile Extracts Using Multiple Internal Standards and Photo-Diode UV Detection. <i>Chromatographia</i> , <b>2010</b> , 71, 291-297	2.1	8
39	Synthesis and biological affinity of new imidazo- and indol-arylpiperazine derivatives: further validation of a pharmacophore model for alpha(1)-adrenoceptor antagonists. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2008</b> , 18, 5140-5	2.9	8
38	1,2,3-Triazolo[4,5-d]pyridazines: Part VI. New 1-substituted-4-amino derivatives and their affinity towards A1 and A2A adenosine receptors. <i>Il Farmaco</i> , <b>1999</b> , 54, 615-623		8
37	Effect of Valproate and Antidepressant Drugs on Clozapine Metabolism in Patients With Psychotic Mood Disorders. <i>Therapeutic Drug Monitoring</i> , <b>2018</b> , 40, 443-451	3.2	7
36	[3H]-ketanserin binding sites in different psychiatric disorders. <i>Neurochemistry International</i> , <b>2003</b> , 42, 511-6	4.4	7
35	Correlation between platelet alpha(2)-adrenoreceptors and symptom severity in major depression. <i>Neuropsychobiology</i> , <b>2001</b> , 44, 122-5	4	7
34	Immunohistochemical distribution of neuropeptide Y in the mesencephalon and rhombencephalon of carp, <i>Cyprinus carpio</i> L. (Cyprinidae: Teleostei). <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2004</b> , 138, 175-85	2.6	6
33	[3H]PK11195 binding sites in human neutrophils: effect of fMLP stimulation and modulation in rheumatic diseases. <i>Clinical Biochemistry</i> , <b>2004</b> , 37, 61-6	3.5	6
32	Peripheral benzodiazepine binding sites in platelets of patients affected by mitochondrial diseases and large scale mitochondrial DNA rearrangements. <i>Molecular Medicine</i> , <b>2002</b> , 8, 841-6	6.2	6
31	Alpha-Synuclein FRET Biosensors Reveal Early Alpha-Synuclein Aggregation in the Endoplasmic Reticulum. <i>Life</i> , <b>2020</b> , 10,	3	6
30	Melatonin and pro-hypnotic effectiveness of the antidepressant Trazodone: A preliminary evaluation in insomniac mood-disorder patients. <i>Clinical Biochemistry</i> , <b>2016</b> , 49, 1152-1158	3.5	6
29	Clozapine effects on adenylyl cyclase activity and serotonin type 1A receptors in human brain post-mortem. <i>Journal of Psychopharmacology</i> , <b>2014</b> , 28, 320-8	4.6	5
28	3-[(Aryl)(4-fluorobenzyloxy)methyl]piperidine derivatives: high-affinity ligands for the serotonin transporter. <i>Journal of Pharmacy and Pharmacology</i> , <b>2007</b> , 59, 1439-45	4.8	5
27	Species comparison of adenosine receptor subtypes in brain and testis. <i>Neurochemical Research</i> , <b>2008</b> , 33, 852-60	4.6	5
26	Synthesis of stable analogues of geranylgeranyl diphosphate possessing a (Z,E,E)-geranylgeranyl side chain, docking analysis, and biological assays for prenyl protein transferase inhibition. <i>ChemMedChem</i> , <b>2006</b> , 1, 218-24	3.7	5
25	Autoradiographic localization and binding study of benzodiazepines receptor sites in carp brain ( <i>Cyprinus carpio</i> L.). <i>Journal of Chemical Neuroanatomy</i> , <b>2006</b> , 31, 139-45	3.2	5

24	Stable analogues of geranylgeranyl diphosphate possessing improved geranylgeranyl versus farnesyl protein transferase inhibitory selectivity. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2003</b> , 13, 4405-8	2.9	5
23	Presence of D4 dopamine receptors in human prefrontal cortex: a postmortem study. <i>Revista Brasileira De Psiquiatria</i> , <b>2007</b> , 29, 148-52	2.6	4
22	1-Aminocyclopentane-1,2,4-tricarboxylic acids screening on glutamatergic and serotonergic systems. <i>Bioorganic and Medicinal Chemistry</i> , <b>2007</b> , 15, 7581-9	3.4	4
21	Tubby protein in human lymphocytes from normal weight and obese subjects. <i>Clinical Biochemistry</i> , <b>2007</b> , 40, 806-9	3.5	4
20	Autoradiographic distribution of neuropeptide Y binding sites in the brain of the carp <i>Cyprinus carpio</i> L. (Cyprinidae, Teleostei). <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2003</b> , 134, 757-62	2.6	4
19	Social Cognition and Oxytocin in Huntington's Disease: New Insights. <i>Brain Sciences</i> , <b>2018</b> , 8,	3.4	4
18	Hydroxyindole-methyltransferase (HIOMT) activity in the retina of melatonin-proficient mice. <i>Heliyon</i> , <b>2019</b> , 5, e02417	3.6	3
17	Short-term effects of 3,4-methylen-dioxy-metamphetamine (MDMA) on 5-HT(1A) receptors in the rat hippocampus. <i>Neurochemistry International</i> , <b>2007</b> , 51, 496-506	4.4	3
16	Phosphonomethylphosphorylmethyl(oxy)-analogues of geranylgeranyl diphosphate as stable and selective geranylgeranyl protein transferase inhibitors. <i>Il Farmaco</i> , <b>2004</b> , 59, 887-92		3
15	Focus on Human Monoamine Transporter Selectivity. New Human DAT and NET Models, Experimental Validation, and SERT Affinity Exploration. <i>ACS Chemical Neuroscience</i> , <b>2020</b> , 11, 3214-3232	5.7	3
14	Antioxidant enzymes activity during age polyethism in <i>Apis mellifera</i> L., 1758. <i>Journal of Apicultural Research</i> , <b>2020</b> , 1-11	2	3
13	The complex interactions among serotonin, insulin, leptin, and glycolipid metabolic parameters in human obesity. <i>CNS Spectrums</i> , <b>2020</b> , 1-10	1.8	3
12	Synthesis and 5-HT <sub>2A</sub> , 5-HT <sub>1A</sub> and alpha <sub>1</sub> -binding affinities of 2-[2-Hydroxy-3-(pyridin-3-yl-methyl)amino]-, 2-[2-hydroxy-3-(2-pyridin-2-yl-ethyl)amino]- and 2-[2-hydroxy-3-(4-N-methyl-piperazin-1-yl)-amino]propoxybenzaldehyde-O-(substituted) benzyl oximes. <i>Archiv Der Pharmazie</i> , <b>2007</b> , 340, 125-9	4.3	2
11	[ <sup>3</sup> H] muscimol receptors sites in the carp ( <i>Cyprinus carpio</i> L.) brain: binding assay and autoradiographic distribution. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2007</b> , 148, 324-31	2.6	2
10	Absence of NK1 receptors in human blood lymphocytes and granulocytes. <i>Neuropsychobiology</i> , <b>2004</b> , 50, 221-5	4	2
9	Neuroendocrine Response to Psychosocial Stressors, Inflammation Mediators and Brain-periphery Pathways of Adaptation. <i>Central Nervous System Agents in Medicinal Chemistry</i> , <b>2021</b> , 21, 2-19	1.8	2
8	Plasma redox and inflammatory patterns during major depressive episodes: a cross-sectional investigation in elderly patients with mood disorders. <i>CNS Spectrums</i> , <b>2021</b> , 26, 416-426	1.8	1
7	Synthesis of aniline-type analogues of farnesyl diphosphate and their biological assays for prenyl protein transferase inhibitory activity. <i>Il Farmaco</i> , <b>2003</b> , 58, 1277-81		1

6	Peripheral-type benzodiazepine receptors in human blood cells of patients affected by migraine without aura. <i>Neurochemistry International</i> , <b>2000</b> , 37, 363-8	4.4	1
5	Variously substituted (phosphonoacetamido)oxy analogues of geranylgeranyl diphosphate (GGdP) as GGdP-transferase (GGTase) inhibitors and antiproliferative agents. <i>Medicinal Chemistry</i> , <b>2005</b> , 1, 239-44	1.8	1
4	Psychopharmacology and ethnicity: A comparative study on Senegalese and Italian men. <i>World Journal of Biological Psychiatry</i> , <b>2020</b> , 21, 300-307	3.8	1
3	Stable propylphosphonic acid analogues of geranylgeranyl diphosphate possessing inhibitory activity on geranylgeranyl protein transferase. <i>Il Farmaco</i> , <b>2004</b> , 59, 857-61		0
2	Effects of chestnut hydrolysable tannin enrichment in the artificial diet of forager bees, <i>Apis mellifera</i> . <i>Journal of Apicultural Research</i> , 1-7	2	0
1	Autoradiographic distribution of peripheral benzodiazepine receptors in the retina of the albino rabbit, <i>Lepus cunicula</i> . <i>Neuroscience Letters</i> , <b>2000</b> , 280, 37-40	3.3	