

# Laura Betti

## List of Publications by Year in descending order

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100  
papers

2,223  
citations

236833

25  
h-index

254106

43  
g-index

107  
all docs

107  
docs citations

107  
times ranked

3126  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tryptophan Biochemistry: Structural, Nutritional, Metabolic, and Medical Aspects in Humans. <i>Journal of Amino Acids</i> , 2016, 2016, 1-13.	5.8	212
2	Discovery of <i>N</i> -Hydroxyindole-Based Inhibitors of Human Lactate Dehydrogenase Isoform A (LDH-A) as Starvation Agents against Cancer Cells. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 1599-1612.	2.9	195
3	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> , 2001, 44, 2118-2132.	2.9	121
4	A relationship between oxytocin and anxiety of romantic attachment. <i>Clinical Practice and Epidemiology in Mental Health</i> , 2006, 2, 28.	0.6	99
5	The trace element content of top-soil and wild edible mushroom samples collected in Tuscany, Italy. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 7579-7595.	1.3	70
6	<i>N</i> -Hydroxyindole-based inhibitors of lactate dehydrogenase against cancer cell proliferation. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 5398-5407.	2.6	64
7	New 1,2,3-triazolo[1,5- <i>a</i> ]quinoxalines: synthesis and binding to benzodiazepine and adenosine receptors. II. <i>European Journal of Medicinal Chemistry</i> , 2002, 37, 565-571.	2.6	59
8	Platelet Serotonin Transporter in Patients With Diarrhea-Predominant Irritable Bowel Syndrome Both Before and After Treatment With Alosetron. <i>American Journal of Gastroenterology</i> , 2003, 98, 2705-2711.	0.2	53
9	1,2,3-Triazolo[1,5- <i>a</i> ]quinoxalines: synthesis and binding to benzodiazepine and adenosine receptors. <i>European Journal of Medicinal Chemistry</i> , 1998, 33, 113-122.	2.6	46
10	New Insight into the Central Benzodiazepine Receptor-Ligand Interactions: Design, Synthesis, Biological Evaluation, and Molecular Modeling of 3-Substituted 6-Phenyl-4- <i>H</i> -imidazo[1,5- <i>a</i> ][1,4]benzodiazepines and Related Compounds. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 5694-5711.	2.9	45
11	Alteration of serotonin transporter density and activity in fibromyalgia. <i>Arthritis Research and Therapy</i> , 2006, 8, R99.	1.6	44
12	$\alpha_1$ -Adrenoceptor Antagonists. 4. Pharmacophore-Based Design, Synthesis, and Biological Evaluation of New Imidazo-, Benzimidazo-, and Indolarylpiperazine Derivatives. <i>Journal of Medicinal Chemistry</i> , 2002, 45, 3603-3611.	2.9	40
13	Synthesis of new piperazine-pyridazinone derivatives and their binding affinity toward $\alpha_1$ -, $\alpha_2$ -adrenergic and 5-HT <sub>1A</sub> serotonergic receptors. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 2828-2836.	1.4	40
14	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> , 2002, 10, 361-369.	1.4	38
15	Ethyl 8-Fluoro-6-(3-nitrophenyl)-4- <i>H</i> -imidazo[1,5- <i>a</i> ][1,4]benzodiazepine-3-carboxylate as Novel, Highly Potent, and Safe Antianxiety Agent. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 4730-4743.	2.9	38
16	$\alpha_1$ -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> , 2003, 13, 171-173.	1.0	36
17	ATP, calcium and magnesium levels in platelets of patients with primary fibromyalgia. <i>Clinical Biochemistry</i> , 2008, 41, 1084-1090.	0.8	36
18	$\alpha_1$ -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> , 2003, 46, 3555-3558.	2.9	31

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19	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> , 2004, 47, 3019-3031.	2.9	31
20	Serotonin receptor of type 6 (5-HT6) in human prefrontal cortex and hippocampus post-mortem: An immunohistochemical and immunofluorescence study. <i>Neurochemistry International</i> , 2013, 62, 182-188.	1.9	31
21	A Novel Class of Highly Potent and Selective A1Adenosine Antagonists: A Structure-Affinity Profile of a Series of 1,8-Naphthyridine Derivatives. <i>Journal of Medicinal Chemistry</i> , 2000, 43, 2814-2823.	2.9	30
22	A link between oxytocin and serotonin in humans: Supporting evidence from peripheral markers. <i>European Neuropsychopharmacology</i> , 2012, 22, 578-583.	0.3	29
23	Novel 3-Aralkyl-7-(amino-substituted)-1,2,3-triazolo[4,5-d]pyrimidines with High Affinity toward A1Adenosine Receptors. <i>Journal of Medicinal Chemistry</i> , 1998, 41, 668-673.	2.9	28
24	Altered amino acid homeostasis in subjects affected by fibromyalgia. <i>Clinical Biochemistry</i> , 2009, 42, 1064-1070.	0.8	27
25	Species Comparison of Adenosine Receptor Subtypes in Brain and Testis. <i>Neurochemical Research</i> , 2008, 33, 852-860.	1.6	26
26	Synthesis of sulfonamide-containing N-hydroxyindole-2-carboxylates as inhibitors of human lactate dehydrogenase-isoform 5. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 7331-7336.	1.0	26
27	Distribution of Serotonin Receptor of Type 6 (5-HT6) in Human Brain Post-mortem. A Pharmacology, Autoradiography and Immunohistochemistry Study. <i>Neurochemical Research</i> , 2012, 37, 920-927.	1.6	26
28	Microbiota, Immune System and Autism Spectrum Disorders: An Integrative Model towards Novel Treatment Options. <i>Current Medicinal Chemistry</i> , 2020, 27, 5119-5136.	1.2	25
29	Potential Diagnostic Value of Red Blood Cells $\alpha$ -Synuclein Heteroaggregates in Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2019, 56, 6451-6459.	1.9	24
30	Parkinson's Disease and Alpha-Synucleinopathies: from Arising Pathways to Therapeutic Challenge. <i>Central Nervous System Agents in Medicinal Chemistry</i> , 2015, 15, 109-116.	0.5	24
31	Distribution of [3H]GR65630 binding in human brain postmortem. <i>Neurochemical Research</i> , 2001, 26, 187-190.	1.6	22
32	$\alpha$ 1-Adrenoceptor antagonists. rational design, synthesis and biological evaluation of new trazodone-like compounds. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 437-440.	1.0	22
33	Triazole-substituted N-hydroxyindol-2-carboxylates as inhibitors of isoform 5 of human lactate dehydrogenase (hLDH5). <i>MedChemComm</i> , 2011, 2, 638.	3.5	22
34	Peripheral-type benzodiazepine receptors in human mononuclear cells of patients affected by osteoarthritis, rheumatoid arthritis or psoriatic arthritis. <i>Clinical Biochemistry</i> , 2003, 36, 57-60.	0.8	21
35	New 4-(4-methyl-phenyl)phthalazin-1(2H)-one derivatives and their effects on $\alpha$ 1-receptors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 2575-2579.	1.0	20
36	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> , 2004, 12, 1527-1535.	1.4	19

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37	Alterations of the dopamine transporter in resting lymphocytes of patients with different psychotic disorders. <i>Psychiatry Research</i> , 2010, 175, 54-57.	1.7	18
38	Rosiglitazone reverses salbutamol-induced $\beta_2$ -adrenoceptor tolerance in airway smooth muscle. <i>British Journal of Pharmacology</i> , 2011, 162, 378-391.	2.7	17
39	The expression of platelet serotonin transporter (SERT) in human obesity. <i>BMC Neuroscience</i> , 2013, 14, 128.	0.8	17
40	<sup>137</sup> 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> , 2017, 34, 49-55.	1.1	17
41	Human Serotonin Transporter Expression During Megakaryocytic Differentiation of MEG-01 Cells. <i>Neurochemical Research</i> , 2010, 35, 628-635.	1.6	16
42	A multidisciplinary approach to study the effects of balneotherapy and mud-bath therapy treatments on fibromyalgia. <i>Clinical and Experimental Rheumatology</i> , 2013, 31, S111-20.	0.4	16
43	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> , 2016, 59, 3353-3372.	2.9	15
44	Structure-activity relationships in a series of 8-substituted xanthines as A1-adenosine receptor antagonists. <i>Bioorganic and Medicinal Chemistry</i> , 2001, 9, 575-583.	1.4	14
45	Peripheral Benzodiazepine Binding Sites in Platelets of Patients Affected by Mitochondrial Diseases and Large Scale Mitochondrial DNA Rearrangements. <i>Molecular Medicine</i> , 2002, 8, 841-846.	1.9	14
46	Serotonin transporter (SERT) and translocator protein (TSPO) expression in the obese ob/ob mouse. <i>BMC Neuroscience</i> , 2011, 12, 18.	0.8	14
47	Studies of peripheral benzodiazepine receptors in mussels: comparison between a polluted and a nonpolluted site. <i>Ecotoxicology and Environmental Safety</i> , 2003, 54, 36-42.	2.9	13
48	Binding of 3H-WIN-35,428 and 125I-RTI-121 to Human Platelet Membranes. <i>Neurochemical Research</i> , 2006, 31, 361-365.	1.6	13
49	Synthesis of new pyridazinone derivatives and their affinity towards $\beta_1$ -adrenoceptors. <i>Bioorganic and Medicinal Chemistry</i> , 1999, 7, 933-941.	1.4	12
50	1,2,3-Triazolo[4,5-d]pyridazines. <i>Il Farmaco</i> , 1999, 54, 615-623.	0.9	12
51	Presence and Characterization of the Dopamine Transporter in Human Resting Lymphocytes. <i>Neurochemical Research</i> , 2008, 33, 1011-1016.	1.6	12
52	Alpha-Synuclein FRET Biosensors Reveal Early Alpha-Synuclein Aggregation in the Endoplasmic Reticulum. <i>Life</i> , 2020, 10, 147.	1.1	12
53	Focus on Human Monoamine Transporter Selectivity. New Human DAT and NET Models, Experimental Validation, and SERT Affinity Exploration. <i>ACS Chemical Neuroscience</i> , 2020, 11, 3214-3232.	1.7	12
54	Adenosine receptors: synthesis, structure-activity relationships and biological activity of new 6-amino purine derivatives. <i>European Journal of Medicinal Chemistry</i> , 1998, 33, 501-508.	2.6	11

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55	1,8-Naphthyridin-4-one derivatives as new ligands of A2A adenosine receptors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 4604-4610.	1.0	11
56	Effect of Valproate and Antidepressant Drugs on Clozapine Metabolism in Patients With Psychotic Mood Disorders. <i>Therapeutic Drug Monitoring</i> , 2018, 40, 443-451.	1.0	11
57	Social Cognition and Oxytocin in Huntington's Disease: New Insights. <i>Brain Sciences</i> , 2018, 8, 161.	1.1	11
58	Kynurenine pathway and autism spectrum phenotypes: an investigation among adults with autism spectrum disorder and their first-degree relatives. <i>CNS Spectrums</i> , 2023, 28, 374-385.	0.7	11
59	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> , 1999, 34, 867-875.	2.6	10
60	[3H]-YM-09151-2 binding sites in human brain postmortem. <i>Neurochemistry International</i> , 2009, 55, 643-647.	1.9	10
61	Modified RP-LC of Phenylthiocarbamyl Amino Acid Adducts in Plasma Acetonitrile Extracts Using Multiple Internal Standards and Photo-Diode UV Detection. <i>Chromatographia</i> , 2010, 71, 291-297.	0.7	10
62	Characterization of sulfonylurea receptors in isolated human pancreatic islets. , 1998, 71, 182-188.		9
63	Correlation between Platelet $\alpha_2$ -Adrenoreceptors and Symptom Severity in Major Depression. <i>Neuropsychobiology</i> , 2001, 44, 122-125.	0.9	9
64	[3H]-ketanserin binding sites in different psychiatric disorders. <i>Neurochemistry International</i> , 2003, 42, 511-516.	1.9	9
65	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> , 2008, 18, 5140-5145.	1.0	8
66	3-[(aryl)(4-fluorobenzyloxy)methyl]piperidine derivatives: high-affinity ligands for the serotonin transporter. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 59, 1439-1445.	1.2	8
67	Male axillary extracts modify the affinity of the platelet serotonin transporter and impulsiveness in women. <i>Physiology and Behavior</i> , 2010, 100, 364-368.	1.0	8
68	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> , 2004, 138, 175-185.	0.8	7
69	[3H]PK11195 binding sites in human neutrophils: effect of fMLP stimulation and modulation in rheumatic diseases. <i>Clinical Biochemistry</i> , 2004, 37, 61-66.	0.8	7
70	Antioxidant enzymes activity during age polyethism in <i>Apis mellifera</i> L., 1758. <i>Journal of Apicultural Research</i> , 2021, 60, 879-889.	0.7	7
71	Peripheral benzodiazepine binding sites in platelets of patients affected by mitochondrial diseases and large scale mitochondrial DNA rearrangements. <i>Molecular Medicine</i> , 2002, 8, 841-6.	1.9	7
72	Autoradiographic localization and binding study of benzodiazepines receptor sites in carp brain ( <i>Cyprinus carpio</i> L.). <i>Journal of Chemical Neuroanatomy</i> , 2006, 31, 139-145.	1.0	6

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73	Clozapine effects on adenylyl cyclase activity and serotonin type 1A receptors in human brain post-mortem. <i>Journal of Psychopharmacology</i> , 2014, 28, 320-328.	2.0	6
74	Melatonin and pro-hypnotic effectiveness of the antidepressant Trazodone: A preliminary evaluation in insomniac mood-disorder patients. <i>Clinical Biochemistry</i> , 2016, 49, 1152-1158.	0.8	6
75	The complex interactions among serotonin, insulin, leptin, and glycolipid metabolic parameters in human obesity. <i>CNS Spectrums</i> , 2022, 27, 99-108.	0.7	6
76	Stable analogues of geranylgeranyl diphosphate possessing improved geranylgeranyl versus farnesyl protein transferase inhibitory selectivity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2003, 13, 4405-4408.	1.0	5
77	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> , 2006, 1, 218-224.	1.6	5
78	Neuroendocrine Response to Psychosocial Stressors, Inflammation Mediators and Brain-periphery Pathways of Adaptation. <i>Central Nervous System Agents in Medicinal Chemistry</i> , 2021, 21, 2-19.	0.5	5
79	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> , 2003, 134, 757-762.	0.8	4
80	Phosphonomethylphosphorylmethyl(oxy)-analogues of geranylgeranyl diphosphate as stable and selective geranylgeranyl protein transferase inhibitors. <i>Il Farmaco</i> , 2004, 59, 887-892.	0.9	4
81	Presence of D4 dopamine receptors in human prefrontal cortex: a postmortem study. <i>Revista Brasileira De Psiquiatria</i> , 2007, 29, 148-152.	0.9	4
82	1-Aminocyclopentane-1,2,4-tricarboxylic acids screening on glutamatergic and serotonergic systems. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 7581-7589.	1.4	4
83	Tubby protein in human lymphocytes from normal weight and obese subjects. <i>Clinical Biochemistry</i> , 2007, 40, 806-809.	0.8	4
84	Hydroxyindole-O-methyltransferase (HIOMT) activity in the retina of melatonin-proficient mice. <i>Heliyon</i> , 2019, 5, e02417.	1.4	4
85	Psychopharmacology and ethnicity: A comparative study on Senegalese and Italian men. <i>World Journal of Biological Psychiatry</i> , 2020, 21, 300-307.	1.3	4
86	Effect of Honey and Syrup Diets Enriched with 1,3-1,6 $\beta$ -D-Glucans on Honeybee Survival Rate and Phenoloxidase Activity ( <i>Apis mellifera</i> L. 1758). <i>Veterinary Sciences</i> , 2021, 8, 130.	0.6	4
87	Effects of chestnut hydrolysable tannin enrichment in the artificial diet of forager bees, <i>Apis mellifera</i> . <i>Journal of Apicultural Research</i> , 0, , 1-7.	0.7	4
88	Absence of NK <sub>1</sub> Receptors in Human Blood Lymphocytes and Granulocytes. <i>Neuropsychobiology</i> , 2004, 50, 221-225.	0.9	3
89	Short-term effects of 3,4-methylen-dioxy-metamphetamine (MDMA) on 5-HT <sub>1A</sub> receptors in the rat hippocampus. <i>Neurochemistry International</i> , 2007, 51, 496-506.	1.9	3
90	Plasma redox and inflammatory patterns during major depressive episodes: a cross-sectional investigation in elderly patients with mood disorders. <i>CNS Spectrums</i> , 2021, 26, 416-426.	0.7	3

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91	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> , 2007, 340, 135-139.	2.1	2
92	[ <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> , 2007, 148, 324-331.	0.8	2
93	Effects of Two Commercial Protein Diets on the Health of Two Imago Ages of <i>Apis mellifera</i> L. Reared in Laboratory. <i>Animals</i> , 2022, 12, 968.	1.0	2
94	Peripheral-type benzodiazepine receptors in human blood cells of patients affected by migraine without aura. <i>Neurochemistry International</i> , 2000, 37, 363-368.	1.9	1
95	Synthesis of aniline-type analogues of farnesyl diphosphate and their biological assays for prenyl protein transferase inhibitory activity. <i>Il Farmaco</i> , 2003, 58, 1277-1281.	0.9	1
96	Stable propylphosphonic acid analogues of geranylgeranyl diphosphate possessing inhibitory activity on geranylgeranyl protein transferase. <i>Il Farmaco</i> , 2004, 59, 857-861.	0.9	1
97	Preliminary investigation on enzymatic activity in saliva of <i>Hystrix cristata</i> L., 1758. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2021, , .	1.0	1
98	Variously Substituted (Phosphonoacetamido)Oxy Analogues of Geranylgeranyl Diphosphate (GGdP) as GGdP-transferase (GGTase) Inhibitors and Antiproliferative Agents. <i>Medicinal Chemistry</i> , 2005, 1, 239-244.	0.7	1
99	Autoradiographic distribution of peripheral benzodiazepine receptors in the retina of the albino rabbit, <i>Lepus cunicula</i> . <i>Neuroscience Letters</i> , 2000, 280, 37-40.	1.0	0
100	$\alpha$ <sub>1</sub> -Adrenoceptor Antagonists. Part 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>ChemInform</i> , 2003, 34, no.	0.1	0