

# Xavier Iturrioz

## List of Publications by Year in descending order

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47  
papers

1,781  
citations

218592

26  
h-index

265120

42  
g-index

49  
all docs

49  
docs citations

49  
times ranked

2052  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolically stable apelin-analogues, incorporating cyclohexylalanine and homoarginine, as potent apelin receptor activators. <i>RSC Medicinal Chemistry</i> , 2021, 12, 1402-1413.	1.7	6
2	A metabolically stable apelin-17 analog decreases AVP-induced antidiuresis and improves hyponatremia. <i>Nature Communications</i> , 2021, 12, 305.	5.8	15
3	Optimizing PEG-Extended Apelin Analogues as Cardioprotective Drug Leads: Importance of the KFRR Motif and Aromatic Head Group for Improved Physiological Activity. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 12073-12082.	2.9	14
4	Elabela/Toddler and apelin bind differently to the apelin receptor. <i>FASEB Journal</i> , 2020, 34, 7989-8000.	0.2	18
5	Structural insight into the catalytic mechanism and inhibitor binding of aminopeptidase A. <i>Biochemical Journal</i> , 2020, 477, 4133-4148.	1.7	1
6	The apelinergic system: a perspective on challenges and opportunities in cardiovascular and metabolic disorders. <i>Annals of the New York Academy of Sciences</i> , 2019, 1455, 12-33.	1.8	46
7	Plasma kallikrein cleaves and inactivates apelin-17: Palmitoyl- and PEG-extended apelin-17 analogs as metabolically stable blood pressure-lowering agents. <i>European Journal of Medicinal Chemistry</i> , 2019, 166, 119-124.	2.6	35
8	A Time-Resolved FRET Cell-Based Binding Assay for the Apelin Receptor. <i>ChemMedChem</i> , 2017, 12, 925-931.	1.6	10
9	Synthetic Modification within the $\alpha$ -RPR-Region of Apelin Peptides: Impact on Cardiovascular Activity and Stability to Neprilysin and Plasma Degradation. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 6408-6427.	2.9	35
10	Development of original metabolically stable apelin-17 analogs with diuretic and cardiovascular effects. <i>FASEB Journal</i> , 2017, 31, 687-700.	0.2	48
11	Role of the Vasopressin/Apelin Balance and Potential Use of Metabolically Stable Apelin Analogs in Water Metabolism Disorders. <i>Frontiers in Endocrinology</i> , 2017, 8, 120.	1.5	27
12	Involvement of arginine 878 together with Ca <sup>2+</sup> in mouse aminopeptidase A substrate specificity for N-terminal acidic amino-acid residues. <i>PLoS ONE</i> , 2017, 12, e0184237.	1.1	5
13	Convenient Access to Fluorescent Probes by Chemoselective Acylation of Hydrazinopeptides: Application to the Synthesis of the First Far-Red Ligand for Apelin Receptor Imaging. <i>Chemistry - A European Journal</i> , 2016, 22, 1399-1405.	1.7	9
14	Beta 1-integrin-c-Met cooperation reveals an inside-in survival signalling on autophagy-related endomembranes. <i>Nature Communications</i> , 2016, 7, 11942.	5.8	84
15	Directed Molecular Evolution of an Engineered Gammaretroviral Envelope Protein with Dual Receptor Use Shows Stable Maintenance of Both Receptor Specificities. <i>Journal of Virology</i> , 2016, 90, 1647-1656.	1.5	0
16	SDHD Immunohistochemistry: A New Tool to Validate SDHx Mutations in Pheochromocytoma/Paraganglioma. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, E287-E291.	1.8	45
17	New structural insights into the apelin receptor: identification of key residues for apelin binding. <i>FASEB Journal</i> , 2015, 29, 314-322.	0.2	39
18	Biased Signaling Favoring Gi over G12-Arrestin Promoted by an Apelin Fragment Lacking the C-terminal Phenylalanine. <i>Journal of Biological Chemistry</i> , 2014, 289, 24599-24610.	1.6	64

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19	A new strategy for treating hypertension by blocking the activity of the brain renin-angiotensin system with aminopeptidase A inhibitors. <i>Clinical Science</i> , 2014, 127, 135-148.	1.8	68
20	Structure-Activity Relationship Studies toward the Discovery of Selective Apelin Receptor Agonists. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 2908-2919.	2.9	27
21	Apelin. , 2013, , 715-723.		1
22	Glutamyl Aminopeptidase. , 2013, , 410-414.		0
23	Loss-of-function point mutations associated with renal tubular dysgenesis provide insights about renin function and cellular trafficking. <i>Human Molecular Genetics</i> , 2011, 20, 301-311.	1.4	13
24	Identification and pharmacological properties of E339-3D6, the first nonpeptidic apelin receptor agonist. <i>FASEB Journal</i> , 2010, 24, 1506-1517.	0.2	95
25	By Interacting with the C-terminal Phe of Apelin, Phe255 and Trp259 in Helix VI of the Apelin Receptor Are Critical for Internalization. <i>Journal of Biological Chemistry</i> , 2010, 285, 32627-32637.	1.6	68
26	Multiple Cross Talk between Angiotensin II, Bradykinin, and Insulin Signaling in the Cortical Thick Ascending Limb of Rat Kidney. <i>Endocrinology</i> , 2010, 151, 3181-3194.	1.4	11
27	Identification of Threonine 348 as a Residue Involved in Aminopeptidase A Substrate Specificity. <i>Journal of Biological Chemistry</i> , 2009, 284, 10618-10626.	1.6	8
28	Human brain aminopeptidase A: biochemical properties and distribution in brain nuclei. <i>Journal of Neurochemistry</i> , 2008, 106, 416-428.	2.1	26
29	Reciprocal Regulation of Plasma Apelin and Vasopressin by Osmotic Stimuli. <i>Journal of the American Society of Nephrology: JASN</i> , 2008, 19, 1015-1024.	3.0	121
30	Asp218 participates with Asp213 to bind a Ca <sup>2+</sup> atom into the S1 subsite of aminopeptidase A: a key element for substrate specificity. <i>Biochemical Journal</i> , 2008, 416, 37-46.	1.7	17
31	Comment on "Obestatin, a Peptide Encoded by the Ghrelin Gene, Opposes Ghrelin's Effects on Food Intake". <i>Science</i> , 2007, 315, 766c-766c.	6.0	178
32	Functional dissociation between apelin receptor signaling and endocytosis: implications for the effects of apelin on arterial blood pressure. <i>Journal of Hypertension</i> , 2007, 25, A1.	0.3	1
33	PKC $\eta$ is a target for degradation through the tumour suppressor protein pVHL. <i>FEBS Letters</i> , 2007, 581, 1397-1402.	1.3	10
34	The von Hippel-Lindau tumour-suppressor protein interaction with protein kinase C $\eta$ . <i>Biochemical Journal</i> , 2006, 397, 109-120.	1.7	19
35	Tyrosine Kinase and Mitogen-Activated Protein Kinase/Extracellularly Regulated Kinase Differentially Regulate Intracellular Calcium Concentration Responses to Angiotensin II/III and Bradykinin in Rat Cortical Thick Ascending Limb. <i>Endocrinology</i> , 2006, 147, 451-463.	1.4	6
36	Phosphoprotein Enriched in Astrocytes-15 kDa Expression Inhibits Astrocyte Migration by a Protein Kinase C $\delta$ -dependent Mechanism. <i>Molecular Biology of the Cell</i> , 2006, 17, 5141-5152.	0.9	56

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37	Apelin: Discovery, Distribution, and Physiological Role. , 2006, , 787-793.		0
38	Role of angiotensin III in hypertension. Current Hypertension Reports, 2005, 7, 128-134.	1.5	40
39	Functional dissociation of apelin receptor signaling and endocytosis: implications for the effects of apelin on arterial blood pressure. Journal of Neurochemistry, 2004, 90, 1290-1301.	2.1	152
40	Aminopeptidase Inhibitors as Anti-Hypertensive Drugs. , 2004, , 229-250.		4
41	Contribution of Molecular Modeling and Site-Directed Mutagenesis to the Identification of a New Residue, Glutamate 215, Involved in the Exopeptidase Specificity of Aminopeptidase A. Biochemistry, 2003, 42, 14785-14793.	1.2	40
42	Contribution of Molecular Modeling and Site-directed Mutagenesis to the Identification of Two Structural Residues, Arg-220 and Asp-227, in Aminopeptidase A. Journal of Biological Chemistry, 2002, 277, 29242-29252.	1.6	36
43	Phosphorylation is required for PMA- and cell-cycle-induced degradation of protein kinase C $\beta$ . Biochemical Journal, 2002, 368, 349-355.	1.7	43
44	Study of Asparagine 353 in Aminopeptidase A: Characterization of a Novel Motif (GXMEN) Implicated in Exopeptidase Specificity of Monozinc Aminopeptidases. Biochemistry, 2001, 40, 14440-14448.	1.2	52
45	Histidine 450 Plays a Critical Role in Catalysis and, with Ca <sup>2+</sup> , Contributes to the Substrate Specificity of Aminopeptidase A. Biochemistry, 2000, 39, 3061-3068.	1.2	38
46	A glutamate residue contributes to the exopeptidase specificity in aminopeptidase A. Biochemical Journal, 1998, 334, 407-413.	1.7	77
47	A tyrosine residue essential for catalytic activity in aminopeptidase A. Biochemical Journal, 1997, 327, 883-889.	1.7	62