Davide Calebiro

List of Publications by Year in descending order

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		87888	98798
79	4,967	38	67
papers	citations	h-index	g-index

87	87	87	5762
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	G protein-coupled receptor-G protein interactions: a single-molecule perspective. Physiological Reviews, 2021, 101, 857-906.	28.8	46
2	Genomic and sequence variants of protein kinase A regulatory subunit type 1Î² (PRKAR1B) in patients with adrenocortical disease and Cushing syndrome. Genetics in Medicine, 2021, 23, 174-182.	2.4	8
3	PKA CÎ± subunit mutation triggers caspase-dependent RIIÎ² subunit degradation via Ser ¹¹⁴ phosphorylation. Science Advances, 2021, 7, .	10.3	4
4	EJE AWARD 2020: Signalling by G protein-coupled receptors: why space and time matter. European Journal of Endocrinology, 2021, 184, R41-R49.	3.7	4
5	Lipolysis drives expression of the constitutively active receptor GPR3 to induce adipose thermogenesis. Cell, 2021, 184, 3502-3518.e33.	28.9	68
6	Spatiotemporal GLP-1 and GIP receptor signaling and trafficking/recycling dynamics induced by selected receptor mono- and dual-agonists. Molecular Metabolism, 2021, 49, 101181.	6.5	39
7	Detecting Transient Trapping from a Single Trajectory: A Structural Approach. Entropy, 2021, 23, 1044.	2.2	10
8	Is Disrupted Nucleotide-Substrate Cooperativity a Common Trait for Cushing's Syndrome Driving Mutations of Protein Kinase A?. Journal of Molecular Biology, 2021, 433, 167123.	4.2	8
9	G Proteinâ€“Coupled Receptor Pharmacology at the Single-Molecule Level. Annual Review of Pharmacology and Toxicology, 2020, 60, 73-87.	9.4	19
10	Cytoskeleton Protein Filamin A Is Required for Efficient Somatostatin Receptor Type 2 Internalization and Recycling through Rab5 and Rab4 Sorting Endosomes in Tumor Somatotroph Cells. Neuroendocrinology, 2020, 110, 642-652.	2.5	13
11	Selective and Washâ€Resistant Fluorescent Dihydrocodeinone Derivatives Allow Singleâ€Molecule Imaging of Î¼â€Opioid Receptor Dimerization. Angewandte Chemie - International Edition, 2020, 59, 5958-5964.	13.8	23
12	Selective and Washâ€Resistant Fluorescent Dihydrocodeinone Derivatives Allow Singleâ€Molecule Imaging of Î¼â€Opioid Receptor Dimerization. Angewandte Chemie, 2020, 132, 6014-6020.	2.0	5
13	Autocrine negative feedback regulation of lipolysis through sensing of NEFAs by FFAR4/GPR120 in WAT. Molecular Metabolism, 2020, 42, 101103.	6.5	16
14	Heterotrimeric G Protein Subunit GÎ±q Is a Master Switch for GÎ²Î³-Mediated Calcium Mobilization by Gi-Coupled GPCRs. Molecular Cell, 2020, 80, 940-954.e6.	9.7	54
15	Investigation of Inactive-State Î² Opioid Receptor Homodimerization via Single-Molecule Microscopy Using New Antagonistic Fluorescent Probes. Journal of Medicinal Chemistry, 2020, 63, 3596-3609.	6.4	12
16	InnenrÃ¼cktitelbild: Selective and Washâ€Resistant Fluorescent Dihydrocodeinone Derivatives Allow Singleâ€Molecule Imaging of Î¼â€Opioid Receptor Dimerization (Angew. Chem. 15/2020). Angewandte Chemie, 2020, 132, 6348-6348.	2.0	1
17	Super-resolution imaging reveals the nanoscale organization of metabotropic glutamate receptors at presynaptic active zones. Science Advances, 2020, 6, eaay7193.	10.3	52
18	Super-resolution microscopy compatible fluorescent probes reveal endogenous glucagon-like peptide-1 receptor distribution and dynamics. Nature Communications, 2020, 11, 467.	12.8	88

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19	PRKACB variants in skeletal disease or adrenocortical hyperplasia: effects on protein kinase A. Endocrine-Related Cancer, 2020, 27, 647-656.	3.1	7
20	Somatic PRKACA Mutations: Association With Transition From Pituitary-Dependent to Adrenal-Dependent Cushing Syndrome. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 5651-5657.	3.6	4
21	Agonist-induced membrane nanodomain clustering drives GLP-1 receptor responses in pancreatic beta cells. PLoS Biology, 2019, 17, e3000097.	5.6	61
22	Cushingâ€™s syndrome driver mutation disrupts protein kinase A allosteric network, altering both regulation and substrate specificity. Science Advances, 2019, 5, eaaw9298.	10.3	43
23	Alterations in Protein Kinase A Substrate Specificity as a Potential Cause of Cushing Syndrome. Endocrinology, 2019, 160, 447-459.	2.8	32
24	Statistical testing approach for fractional anomalous diffusion classification. Physical Review E, 2019, 99, 042149.	2.1	26
25	The subcellular dynamics of GPCR signaling. Molecular and Cellular Endocrinology, 2019, 483, 24-30.	3.2	47
26	Hot spots for GPCR signaling: lessons from single-molecule microscopy. Current Opinion in Cell Biology, 2019, 57, 57-63.	5.4	16
27	Internalization of G-protein-coupled receptors: Implication in receptor function, physiology and diseases. Best Practice and Research in Clinical Endocrinology and Metabolism, 2018, 32, 83-91.	4.7	75
28	Single-Molecule Imaging of GPCR Interactions. Trends in Pharmacological Sciences, 2018, 39, 109-122.	8.7	59
29	Single-Molecule Microscopy Reveals Dynamic FLNA Interactions Governing SSTR2 Clustering and Internalization. Endocrinology, 2018, 159, 2953-2965.	2.8	22
30	Activating PRKACB somatic mutation in cortisol-producing adenomas. JCI Insight, 2018, 3, .	5.0	44
31	Differential expression of the protein kinase A subunits in normal adrenal glands and adrenocortical adenomas. Scientific Reports, 2017, 7, 49.	3.3	17
32	Single-molecule imaging reveals receptorâ€“G protein interactions at cell surface hot spots. Nature, 2017, 550, 543-547.	27.8	258
33	Internalized TSH receptors en route to the TGN induce local Gs-protein signaling and gene transcription. Nature Communications, 2017, 8, 443.	12.8	140
34	Somatostatin Receptor Type 2 (SSTR2) Internalization and Intracellular Trafficking in Pituitary GH-Secreting Adenomas: Role of Scaffold Proteins and Implications for Pharmacological Resistance. Hormone and Metabolic Research, 2017, 49, 259-268.	1.5	7
35	Mechanisms of Aberrant PKA Activation by CÎ± Subunit Mutations. Hormone and Metabolic Research, 2017, 49, 307-314.	1.5	14
36	Persistent cAMP Signaling by Internalized LH Receptors in Ovarian Follicles. Endocrinology, 2016, 2016, 63-71.	2.8	73

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37	Genetic Landscape of Sporadic Unilateral Adrenocortical Adenomas Without PRKACA p.Leu206Arg Mutation. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 3526-3538.	3.6	65
38	cAMP Signals in Drosophila Motor Neurons Are Confined to Single Synaptic Boutons. Cell Reports, 2016, 17, 1238-1246.	6.4	55
39	PRKACA Somatic Mutations Are Rare Findings in Aldosterone-Producing Adenomas. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 3010-3017.	3.6	43
40	Landscape of somatic mutations in sporadic GH-secreting pituitary adenomas. European Journal of Endocrinology, 2016, 174, 363-372.	3.7	100
41	The Activation Mechanism of Glycoprotein Hormone Receptors with Implications in the Cause and Therapy of Endocrine Diseases. Journal of Biological Chemistry, 2016, 291, 508-520.	3.4	63
42	Recurrent EZH1 mutations are a second hit in autonomous thyroid adenomas. Journal of Clinical Investigation, 2016, 126, 3383-3388.	8.2	66
43	Single-Molecule Fluorescence Microscopy for the Analysis of Fast Receptor Dynamics. Methods in Molecular Biology, 2015, 1335, 53-66.	0.9	2
44	cAMP signaling in cortisol-producing adrenal adenoma. European Journal of Endocrinology, 2015, 173, M99-M106.	3.7	32
45	Trafficking and Function of GPCRs in the Endosomal Compartment. Methods in Molecular Biology, 2015, 1234, 197-211.	0.9	17
46	cAMP signaling microdomains and their observation by optical methods. Frontiers in Cellular Neuroscience, 2014, 8, 350.	3.7	45
47	Novel Somatic Mutations in the Catalytic Subunit of the Protein Kinase A as a Cause of Adrenal Cushing's Syndrome: A European Multicentric Study. Journal of Clinical Endocrinology and Metabolism, 2014, 99, E2093-E2100.	3.6	92
48	Real-Time Monitoring of GPCR/cAMP Signalling by FRET and Single-Molecule Microscopy. Hormone and Metabolic Research, 2014, 46, 827-832.	1.5	11
49	PKA catalytic subunit mutations in adrenocortical Cushingâ€™s adenoma impair association with the regulatory subunit. Nature Communications, 2014, 5, 5680.	12.8	63
50	Kinetics and mechanism of G protein-coupled receptor activation. Current Opinion in Cell Biology, 2014, 27, 87-93.	5.4	51
51	Constitutive Activation of PKA Catalytic Subunit in Adrenal Cushing's Syndrome. New England Journal of Medicine, 2014, 370, 1019-1028.	27.0	355
52	High-resolution Spatiotemporal Analysis of Receptor Dynamics by Single-molecule Fluorescence Microscopy. Journal of Visualized Experiments, 2014, , e51784.	0.3	9
53	Single-molecule analysis of fluorescently labeled G-proteinâ€“coupled receptors reveals complexes with distinct dynamics and organization. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 743-748.	7.1	394
54	Receptor signals come in waves. Nature, 2013, 495, 457-458.	27.8	52

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55	Frequent TSH Receptor Genetic Alterations with Variable Signaling Impairment in a Large Series of Children with Nonautoimmune Isolated Hyperthyrotropinemia. Journal of Clinical Endocrinology and Metabolism, 2012, 97, E156-E160.	3.6	47
56	Disruptions of Global and Jagged1-Mediated Notch Signaling Affect Thyroid Morphogenesis in the Zebrafish. Endocrinology, 2012, 153, 5645-5658.	2.8	50
57	Persistent cAMP signaling by internalized TSH receptors occurs in thyroid but not in HEK293 cells. FASEB Journal, 2012, 26, 2043-2048.	0.5	53
58	Thyroid-stimulating hormone receptor activity after internalization. Annales D'Endocrinologie, 2011, 72, 64-67.	1.4	5
59	8-Chloro-Cyclic AMP and Protein Kinase A I-Selective Cyclic AMP Analogs Inhibit Cancer Cell Growth through Different Mechanisms. PLoS ONE, 2011, 6, e20785.	2.5	26
60	FRET measurements of intracellular cAMP concentrations and cAMP analog permeability in intact cells. Nature Protocols, 2011, 6, 427-438.	12.0	191
61	Absence of primary hypothyroidism and goiter in Slc26a4 (-/-) mice fed on a low iodine diet. Journal of Endocrinological Investigation, 2011, 34, 593-8.	3.3	17
62	Imaging of persistent cAMP signaling by internalized G protein-coupled receptors. Journal of Molecular Endocrinology, 2010, 45, 1-8.	2.5	67
63	Agonist-regulated Cleavage of the Extracellular Domain of Parathyroid Hormone Receptor Type 1. Journal of Biological Chemistry, 2010, 285, 8665-8674.	3.4	16
64	Real-Time Monitoring of Somatostatin Receptor-cAMP Signaling in Live Pituitary. Endocrinology, 2010, 151, 4560-4565.	2.8	14
65	Genetics and phenomics of hypothyroidism due to TSH resistance. Molecular and Cellular Endocrinology, 2010, 322, 72-82.	3.2	87
66	Signaling by internalized G-protein-coupled receptors. Trends in Pharmacological Sciences, 2010, 31, 221-228.	8.7	225
67	Persistent cAMP-Signals Triggered by Internalized G-Proteinâ€“Coupled Receptors. PLoS Biology, 2009, 7, e1000172.	5.6	471
68	Sortilin Is a Putative Postendocytic Receptor of Thyroglobulin. Endocrinology, 2009, 150, 509-518.	2.8	21
69	A 7â€year experience with low blood TSH cutoff levels for neonatal screening reveals an unsuspected frequency of congenital hypothyroidism (CH). Clinical Endocrinology, 2009, 71, 739-745.	2.4	207
70	Thyroid gland development and function in the zebrafish model. Molecular and Cellular Endocrinology, 2009, 312, 14-23.	3.2	177
71	The Third Intracellular Loop of the Human Somatostatin Receptor 5 Is Crucial for Arrestin Binding and Receptor Internalization after Somatostatin Stimulation. Molecular Endocrinology, 2008, 22, 676-688.	3.7	39
72	Technology Insight: modern methods to monitor proteinâ€“protein interactions reveal functional TSH receptor oligomerization. Nature Clinical Practice Endocrinology and Metabolism, 2007, 3, 180-190.	2.8	37

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73	Syndromes of hormone resistance in the hypothalamicâ€“pituitaryâ€“thyroid axis. Best Practice and Research in Clinical Endocrinology and Metabolism, 2006, 20, 529-546.	4.7	66
74	Selective Modulation of Protein Kinase A I and II Reveals Distinct Roles in Thyroid Cell Gene Expression and Growth. Molecular Endocrinology, 2006, 20, 3196-3211.	3.7	38
75	Intracellular entrapment of wild-type TSH receptor by oligomerization with mutants linked to dominant TSH resistance. Human Molecular Genetics, 2005, 14, 2991-3002.	2.9	106
76	Low-Density Lipoprotein (LDL) Receptor/Transferrin Fusion Protein: In Vivo Production and Functional Evaluation as a Potential Therapeutic Tool for Lowering Plasma LDL Cholesterol. Human Gene Therapy, 2004, 15, 533-541.	2.7	9
77	Different forms of Resistance to Thyrotropin (TSH) Action. Growth Hormone, 2004, , 177-191.	0.2	3
78	Styrene oxide-induced 2â€²-deoxycytidine adducts: implications for the mutagenicity of styrene oxide. Chemico-Biological Interactions, 2000, 126, 201-213.	4.0	18
79	Heterotrimeric G Protein Subunit GÎ±q is a Master Switch for GÎ²Î³-Mediated Calcium Mobilization by Gi-Coupled GPCRs. SSRN Electronic Journal, 0, , .	0.4	1