Diego Cotella

List of Publications by Year in descending order

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36 papers	1,007 citations	471477 17 h-index	434170 31 g-index
37 all docs	37 docs citations	37 times ranked	1436 citing authors

#	Article	IF	Citations
1	Expression and function of dipeptidyl-aminopeptidase-like protein 6 as a putative Î²-subunit of human cardiac transient outward current encoded by Kv4.3. Journal of Physiology, 2005, 565, 751-756.	2.9	118
2	Functional modulation of the transient outward current Ito by KCNE Î²-subunits and regional distribution in human non-failing and failing hearts. Cardiovascular Research, 2006, 71, 695-703.	3.8	113
3	Aldo-keto reductases protect metastatic melanoma from ER stress-independent ferroptosis. Cell Death and Disease, 2019, 10, 902.	6.3	99
4	SINEUPs: A new class of natural and synthetic antisense long non-coding RNAs that activate translation. RNA Biology, 2015, 12, 771-779.	3.1	84
5	SINEUPs are modular antisense long non-coding RNAs that increase synthesis of target proteins in cells. Frontiers in Cellular Neuroscience, 2015, 9, 174.	3.7	81
6	Toxic Role of K⁺Channel Oxidation in Mammalian Brain. Journal of Neuroscience, 2012, 32, 4133-4144.	3.6	71
7	PKR and GCN2 stress kinases promote an ER stress-independent eIF2Î± phosphorylation responsible for calreticulin exposure in melanoma cells. OncoImmunology, 2018, 7, e1466765.	4.6	38
8	Engineering mammalian cell factories with SINEUP noncoding RNAs to improve translation of secreted proteins. Gene, 2015, 569, 287-293.	2.2	35
9	SINEUP non-coding RNAs rescue defective frataxin expression and activity in a cellular model of Friedreich's Ataxia. Nucleic Acids Research, 2019, 47, 10728-10743.	14.5	30
10	Engineering Translation in Mammalian Cell Factories to Increase Protein Yield: The Unexpected Use of Long Non-Coding SINEUP RNAs. Computational and Structural Biotechnology Journal, 2016, 14, 404-410.	4.1	29
11	CX3CR1 Mediates the Development of Monocyte-Derived Dendritic Cells during Hepatic Inflammation. Cells, 2019, 8, 1099.	4.1	26
12	High-throughput assessment of the antibody profile in ovarian cancer ascitic fluids. OncoImmunology, 2019, 8, e1614856.	4.6	25
13	Altered expression of genes for Kir ion channels in dilated cardiomyopathy. Canadian Journal of Physiology and Pharmacology, 2013, 91, 648-656.	1.4	24
14	Identification of functional features of synthetic SINEUPs, antisense lncRNAs that specifically enhance protein translation. PLoS ONE, 2018, 13, e0183229.	2.5	23
15	Primer sets for cloning the human repertoire of T cell Receptor Variable regions. BMC Immunology, 2008, 9, 50.	2.2	21
16	The RNAâ€binding protein ILF3 binds to transposable element sequences in SINEUP lncRNAs. FASEB Journal, 2019, 33, 13572-13589.	0.5	20
17	Phage Display Technology for Human Monoclonal Antibodies. Methods in Molecular Biology, 2014, 1060, 277-295.	0.9	19
18	Impaired glycosylation blocks DPP10 cell surface expression and alters the electrophysiology of I to channel complex. Pflugers Archiv European Journal of Physiology, 2010, 460, 87-97.	2.8	17

#	Article	IF	Citations
19	Ecto-Calreticulin is essential for an efficient immunogenic cell death stimulation in mouse melanoma. Genes and Immunity, 2019, 20, 509-513.	4.1	13
20	SINEUPs: a novel toolbox for RNA therapeutics. Essays in Biochemistry, 2021, 65, 775-789.	4.7	13
21	The transmembrane Î²-subunits KCNE1, KCNE2, and DPP6 modify pharmacological effects of the antiarrhythmic agent tedisamil on the transient outward current I to. Naunyn-Schmiedeberg's Archives of Pharmacology, 2009, 379, 617-626.	3.0	12
22	Mapping the minimum domain of the fibronectin binding site on transglutaminase 2 (TG2) and its importance in mediating signaling, adhesion, and migration in TG2â€expressing cells. FASEB Journal, 2019, 33, 2327-2342.	0.5	12
23	Angiogenic Potential in Biological Hydrogels. Biomedicines, 2020, 8, 436.	3.2	12
24	Myogenic Potential of Extracellular Matrix Derived from Decellularized Bovine Pericardium. International Journal of Molecular Sciences, 2021, 22, 9406.	4.1	11
25	Interaction of DPP10a with Kv4.3 channel complex results in a sustained current component of human transient outward current I to. Basic Research in Cardiology, 2015, 110, 5.	5.9	10
26	N-glycosylation of the mammalian dipeptidyl aminopeptidase-like protein 10 (DPP10) regulates trafficking and interaction with Kv4 channels. International Journal of Biochemistry and Cell Biology, 2012, 44, 876-885.	2.8	9
27	An evolutionarily conserved mode of modulation of Shaw â€like K + channels. FASEB Journal, 2013, 27, 1381-1393.	0.5	8
28	Accessory subunits alter the temperature sensitivity of Kv4.3 channel complexes. Journal of Molecular and Cellular Cardiology, 2013, 56, 8-18.	1.9	7
29	InteractomeSeq: a web server for the identification and profiling of domains and epitopes from phage display and next generation sequencing data. Nucleic Acids Research, 2020, 48, W200-W207.	14.5	7
30	Silencing the cardiac potassium channel Kv4.3 by RNA interference in a CHO expression system. Biochemical and Biophysical Research Communications, 2005, 330, 555-560.	2.1	6
31	Identification of novel proteins binding the AU-rich element of Î±-prothymosin mRNA through the selection of open reading frames (RIDome). RNA Biology, 2015, 12, 1289-1300.	3.1	5
32	An Air-well sparging minifermenter system for high-throughput protein production. Microbial Cell Factories, 2014, 13, 132.	4.0	4
33	Selection of peptides with affinity for the N-terminal domain of GATA-1: identification of a potential interacting protein. Biochemical and Biophysical Research Communications, 2003, 305, 1061-1066.	2.1	3
34	Characterization of the c9orf72 GC-rich low complexity sequence in two cohorts of Italian and Turkish ALS cases. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2018, 19, 426-431.	1.7	2
35	Î²-subunits do not reproduce strong temperature dependency of human transient outward current Ito. Journal of Molecular and Cellular Cardiology, 2006, 40, 980.	1.9	0
36	Î²-Subunits kchip2, kcne2 and dpp6 modulate effects of tedisamil on transient outward current ITO. Journal of Molecular and Cellular Cardiology, 2007, 42, S11.	1.9	0