

Gianluca Selvaggio

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

258
citations

1307594

7
h-index

1281871

11
g-index

17
all docs

17
docs citations

17
times ranked

425
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthetic mixed-signal computation in living cells. <i>Nature Communications</i> , 2016, 7, 11658.	12.8	87
2	Hydrogen peroxide metabolism and sensing in human erythrocytes: A validated kinetic model and reappraisal of the role of peroxiredoxin II. <i>Free Radical Biology and Medicine</i> , 2014, 74, 35-49.	2.9	62
3	Hybrid Epithelialâ€“Mesenchymal Phenotypes Are Controlled by Microenvironmental Factors. <i>Cancer Research</i> , 2020, 80, 2407-2420.	0.9	34
4	Mapping the phenotypic repertoire of the cytoplasmic 2-Cys peroxiredoxin â€“ Thioredoxin system. 1. Understanding commonalities and differences among cell types. <i>Redox Biology</i> , 2018, 15, 297-315.	9.0	28
5	Biodynamics: A novel quasi-first principles theory on the fundamental mechanisms of cellular function/dysfunction and the pharmacological modulation thereof. <i>PLoS ONE</i> , 2018, 13, e0202376.	2.5	14
6	Toward in vivo-relevant hERG safety assessment and mitigation strategies based on relationships between non-equilibrium blocker binding, three-dimensional channel-blocker interactions, dynamic occupancy, dynamic exposure, and cellular arrhythmia. <i>PLoS ONE</i> , 2020, 15, e0234946.	2.5	11
7	A quantitative systems pharmacology approach to support mRNA vaccine development and optimization. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , 2021, 10, 1448-1451.	2.5	8
8	Is the Peroxiredoxin 2/Thioredoxin/Thioredoxin Reductase system in human erythrocytes designed for redox signaling?. <i>Free Radical Biology and Medicine</i> , 2014, 75, S24.	2.9	3
9	Image Analysis for Automatic Characterization of Polyhydroxylcanoates Granules. <i>Lecture Notes in Computer Science</i> , 2013, , 790-797.	1.3	3
10	Integration between anticipatory blocking and redox signaling by the peroxiredoxin/thioredoxin/thioredoxin-reductase system. <i>Free Radical Biology and Medicine</i> , 2014, 75, S47-S48.	2.9	1
11	In Silico Logical Modelling to Uncover Cooperative Interactions in Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4897.	4.1	1
12	Is Peroxiredoxin IIâ€™s peroxidase activity strongly inhibited in human erythrocytes?. <i>Free Radical Biology and Medicine</i> , 2014, 75, S23-S24.	2.9	0